R1.6 ANNEX 2 – Set of Fiches of 2021

Dissemination level: PU (public) ~~/ **RE** (restricted) / **CO** (confidential)~~

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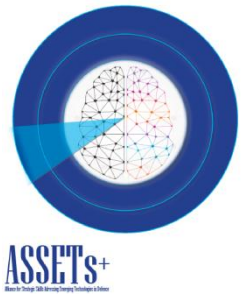
Fiche developed in the frame of	TYPE:		AREA:
	**Conference**	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Intelligent Systems Conference (IntelliSys) 2021

Description	The conference will take place in Amsterdam, The Netherlands and focus on areas of intelligent systems and artificial intelligence (AI) and how it applies to the real world.	
Goal	The goal of the conference is to be a premier venue for researchers and industry practitioners to share new ideas, research results and development experiences in various fields.	
Organizer	SAI Conference	
Co-organizers/ Patrons		
Topics	Artificial Intelligence • Deep Learning • Neural Networks • Fuzzy Logic • Expert Systems • Computational Intelligence • Natural Language Processing • Data Mining • Neuromorphic systems • Biometrics • Sentiment Analysis Machine Vision • Human Computer Interaction • Pattern Recognition • Image/Video Processing • Intrusion Detection • Brain-Machine Interface • Geographic Information Systems • Signal Processing • Medical Diagnosis • Segmentation Techniques • Augmented/Virtual Reality	Robotics • Humanoid Robots • Space and underwater robots • Assistive Robots • Mobile Robots • Autonomous Robots • Human-Robot Interaction • Telerobotics • Walking and Climbing Robots • Robotic Automation • Robot Localization and Map Building Ambient Intelligence • Smart Cities • Internet of Things • Ambient Assisted Living • Smart Healthcare • Intelligent Transportation • Data Science • Sensing and Sensor Networks • Affective computing • Agents and Multi-agent Systems • Context-aware pervasive systems
Date	**2-3.09.2021**	
Costs	Registration Type / Author / Participant Onsite: GBP £650 / GBP £550 Virtual: GBP £400 / GBP £300	
www	https://saiconference.com/IntelliSys	

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

CIRP ICME '21 - 15th CIRP Conference on INTELLIGENT COMPUTATION IN MANUFACTURING ENGINEERING

Innovative and Cognitive Production Technology and Systems

Description	The 15th edition of the CIRP ICME Conference will examine the applications of innovative and cognitive production technologies and systems and related methodologies for decision making implementation, including expert systems, fuzzy logic, neural networks, multi agents, etc., as well as hybrid systems combining one or more of these techniques as applied to manufacturing engineering problems. The main scope of the Conference is to provide an international forum for the exchange of the knowledge, information, experience and results as well as the review of progress and discussion on the state-of-the-art and future trends in intelligent computation methods and tools applied to manufacturing processes and systems. The following Symposia/Special Sessions will be organized within the Conference with reference to running joint research projects and international working groups: - International Workshop on Emergent Synthesis - IWES 2021 - Biological Transformation in Manufacturing - Fraunhofer Joint Laboratory of Excellence on Advanced Production Technology - Fh-J_LEAPT UniNaples
Organizer	Fraunhofer Joint Laboratory of Excellence on Advanced Production Technology (Fh-J_LEAPT UniNaples), Dept. of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II
Topics	• Material working processes - machining - forming - casting and solidification - welding - heat treatments • Metrology and measuring methods - dimensional measurements - surface characterisation - non-destructive evaluation

	- metrology systems and CMM Process modeling and monitoring • Design, simulation and modeling • Hybrid processes • Reverse engineering • Additive Manufacturing • Assembly and disassembly • Diagnostics and maintenance • Automated inspection and quality control • Sensors and sensing techniques for manufacturing • Process/Production planning and control • Dynamic scheduling in complex mftg. • Distributed and co-operative production • Bio-inspired, bio-integrated, bio-intelligent manufact. • Customer driven production • Intelligent machines and robots • Intelligent manufacturing systems • Zero defect manufacturing • Factory design, reconfigurability and integration • Augmented and virtual reality for manufacturing • Product life cycle management • Energy and resource efficient manufacturing • Green and sustainable manufacturing • Human factors in intelligent manufacturing systems • Manufacturing applications of: - expert systems - artificial neural networks - fuzzy and neuro-fuzzy models - genetic algorithms - machine and deep learning - multi agent systems - evolutionary & emergent computing - hybrid approaches • Any other topic related to the Conference's scope
Date	**14 - 16.07.2021**
Costs	
www	http://www.icme.unina.it/ICME%2021/ICME_20.htm

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	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

International Conference on Informatics in Control, Automation and Robotics (ICINCO) 2021

Description	The purpose of the International Conference on Informatics in Control, Automation and Robotics (ICINCO) is to bring together researchers, engineers and practitioners interested in the application of informatics to Control, Automation and Robotics. Four simultaneous tracks will be held, covering Intelligent Control Systems, Optimization, Robotics, Automation, Signal Processing, Sensors, Systems Modelling and Control, and Industrial Informatics. Informatics applications are pervasive in many areas of Control, Automation and Robotics; This conference intends to emphasize this connection, therefore, authors should highlight the benefits of Information Technology (IT) in these areas. Ideas on how to solve problems using IT, both in R&D and industrial applications, are welcome. Papers describing advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are also encouraged. Papers describing original work are invited in any of the areas listed below. Accepted papers, presented at the conference by one of the authors, will be published in the Proceedings of ICINCO, with an ISBN. Acceptance will be based on quality, relevance and originality. Both full research reports and work-in-progress reports are welcome. There will be both oral and poster sessions. Special sessions, dedicated to case-studies and commercial presentations, as well as tutorials dedicated to technical/scientific topics are also envisaged: companies interested in presenting their products/methodologies or researchers interested in holding a tutorial, workshop or special session are invited to contact the conference secretariat or visit the conference website.
Organizer	INSTICC – Institute for Systems and Technologies of Information, Control and Communication
Topics	**AREA 1: INTELLIGENT CONTROL SYSTEMS AND OPTIMIZATION** ▪ Decision Support Systems ▪ Distributed Control Systems ▪ Engineering Applications on Intelligent Control Systems and Optimization ▪ Evolutionary Computation and Control ▪ Fuzzy Control ▪ Genetic Algorithms ▪ Hybrid Learning Systems ▪ Intelligent Fault Detection, Diagnosis and Prognostics ▪ Knowledge-Based Systems Applications ▪ Machine Learning in Control Applications ▪ Neural Networks Based Control Systems

- Optimization Algorithms
- Planning and Scheduling
- Soft Computing
- Software Agents for Intelligent Control Systems

AREA 2: ROBOTICS AND AUTOMATION

- Autonomous Agents
- Cognitive Approach for Robotics
- Collective and Social Robots
- Control and Supervision Systems
- Drones and Internet of Things for Surveillance
- Engineering Applications on Robotics and Automation
- Guidance, Navigation and Control
- Human-Machine Interfaces
- Humanoid Robots
- Human-Robots Interfaces
- Image Processing
- Industrial Networks and Automation
- Integration of Drones and UV-C Lights for COVID-19 Disinfection
- Intelligent Transportation Technologies and Systems
- Mechatronics Systems
- Mobile Robots and Intelligent Autonomous Systems
- Modelling, Simulation and Architecture
- Network Robotics
- Perception and Awareness
- Robot Design, Development and Control
- Space and Underwater Robots
- Surveillance, Fault Detection and Diagnosis
- Telerobotics and Teleoperation
- Vehicle Control Applications
- Virtual Environment, Virtual and Augmented Reality
- Vision, Recognition and Reconstruction

AREA 3: SIGNAL PROCESSING, SENSORS, SYSTEMS MODELLING AND CONTROL

- Adaptive Signal Processing and Control
- Biological Inspired Sensors
- Computer and Microprocessor-Based Control
- Defect and Change Detection and Identification
- Engineering Applications
- Environmental Monitoring and Control
- Information-Based Models for Control
- Intelligent Components for Control
- Mechanical, Force and Tactile Sensors
- Modelling, Analysis and Control of Discrete-Event Systems
- Modelling, Analysis and Control of Hybrid Dynamical Systems
- Nonlinear Signals and Systems
- Optimization Problems in Signal Processing
- Real-Time Systems Control
- Sensors Fusion
- Signal Reconstruction
- System Identification
- System Modelling
- Time-Frequency Analysis

AREA 4: INDUSTRIAL INFORMATICS

	▪ Computer-Based Manufacturing Technologies ▪ Digital Twins ▪ Energy Efficiency and Green Manufacturing ▪ Human Factors & Human-System Interface ▪ Industrial Automation and Robotics ▪ Industrial Internet of Things ▪ Intelligent Design and Manufacturing ▪ Manufacturing Systems Engineering ▪ Performance Evaluation and Optimization ▪ Precision Engineering ▪ Production Planning, Scheduling and Control ▪ Production Tasks' Design, Planning and Management ▪ Quality Control and Management ▪ Resources and Knowledge Management in Industry ▪ Supply Chain and Logistics Engineering ▪ Supply Chain Resilience ▪ Systems Modelling and Simulation
Date	6-8.07.2021
Costs	395€ - Member of INSTICC 445€ - Non member
www	http://www.icinco.org/

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	Policy	Journal	Cybersecurity

Title:

1st CFP 19th Annual Industrial Simulation Conference

Description	The aim of the 19th annual Industrial Simulation Conference (ISC'2021), the premier annual industrial simulation conference in Europe, is to give a complete overview of this year's industrial simulation related research and to provide an annual status report on present day industrial simulation research within the European Community and the rest of the world in line with European industrial research projects.
Organizer	The European Technology Institute
Co-organizers/ Patrons	EUROSIS The University of Malta University of Skovde University of Zilina GODAN
Topics	- Discrete Event Simulation Methodology, Languages and Tools - Artificial Intelligence, IOT AND VR Graphics Applied to Industry - Complex Systems Modelling - Simulation in Robotics - Simulation in Engineering - Simulation in Collaborative Engineering - Simulation in Manufacturing - Simulation in Logistics and Traffic - Datamining Business Processes, Geosimulation AND Big Data - Simulation in Economics and Business - Simulation in Economic and Risk Management - Simulation in Automotive Systems - Simulation in the Power industry - VR/AR Simulations in Education - Information Security, Privacy and Applications
Date	**2-4.06.2021**
Costs	Author / Members / Non-members Before April 30, 2021: € 510 / € 510 / € 565 After April 30, 2021: N/A / € 565 / € 605
www	https://www.eurosis.org/conf/isc/2021/

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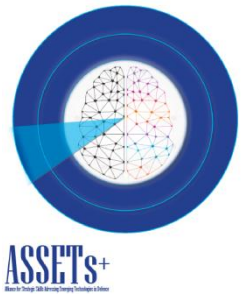
Fiche developed in the frame of 	**TYPE:**		**AREA:**
	Conference	Training	**Robotics**, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

Robotics

Description	Is a peer-reviewed, international journal presenting state-of-the-art research in the area of robotics, and is published quarterly online by MDPI.
Goal / Target audience	Robotics aims to provide an international forum to report the latest developments in robotic systems, autonomous behaviors, multi-sensor fusion, learning algorithms, system modelling, control software, smart actuators, service applications, and human–machine interaction.
Publisher	MDPI
Topics/ Content	History of robotics; Intelligent robotics, mechatronics, and biomimetics; Novel and biologically inspired robotics; Modelling, identification, and control of robotic systems; Biomedical, rehabilitation, and surgical robotics; Exoskeletons, prosthetics, and artificial organs; AI, neural networks, and fuzzy logic in robotics; Multimodal human–machine interaction; Wireless sensor networks for robot navigation; Multi-sensor data fusion and SLAM; Service robotics, industrial robotizations, space robotics; Sensorization, robot navigation, communication robotics; Swarm robotics, mobile and flying robotic systems.
ISSN	ISSN print: ISSN 2218-6581
Cost	1400 CHF (Swiss Francs)
www	https://www.mdpi.com/journal/robotics

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, **autonomous systems,** artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, **control**, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

Measurement and Control

Description	Measurement and Control is a peer reviewed, open access journal which focusses on applied and theoretical research outcomes in measurement and control sciences. This journal is a member of the Committee on Publication Ethics (COPE).
Publisher	SAGE Journals
Topics/ Content	Journal is an open access and publishes peer-reviewed practical and technical research and news pieces from both the science and engineering industry and academia. Whilst focusing more broadly on topics of relevance for practitioners in instrumentation and control, the journal also includes updates on both product and business announcements and information on technical advances.
Cost	1500 USD
ISSN	0020-2940
www	https://journals.sagepub.com/toc/maca/current

Nr 164/2021

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	Policy	**Journal**	Cybersecurity

Title:

Measurement and Control 2012, Volume 45, Issue 4

Special Collections on

Aerospace - UAV (Unmanned Autonomous Vehicles) System and Control

Description	Aerospace - UAV (Unmanned Autonomous Vehicles) System and Control - Measurement and Control - Volume 45, Number 4, May 01, 2012 – special issue
Publisher	SAGE Journals
Topics/ Content	Journal is an open access and publishes peer-reviewed practical and technical research and news pieces from both the science and engineering industry and academia. Whilst focusing more broadly on topics of relevance for practitioners in instrumentation and control, the journal also includes updates on both product and business announcements and information on technical advances.
Cost	1500 USD
www	https://journals.sagepub.com/toc/maca/45/4

Nr 165/2021

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	Policy	**Journal**	Cybersecurity

Title:

Measurement and Control 2011, Volume 44, Issue 10

Special Collections on

Aerospace - UAV (Unmanned Autonomous Vehicles) System and Control

Description	Aerospace - UAV (Unmanned Autonomous Vehicles) System and Control - Measurement and Control - Volume 44, Number 10, Dec 01, 2011 (sagepub.com)– special issue
Publisher	SAGE Journals
Topics/ Content	Journal is an open access and publishes peer-reviewed practical and technical research and news pieces from both the science and engineering industry and academia. Whilst focusing more broadly on topics of relevance for practitioners in instrumentation and control, the journal also includes updates on both product and business announcements and information on technical advances.
Cost	1500 USD
www	https://journals.sagepub.com/toc/maca/44/10

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	Conference	Training	**Robotics**, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

International Journal of Robotic Engineering

Description	International Journal of Robotic Engineering is an Open Access, peer reviewed, academic Journal promoting the various interdisciplinary aspects of Robotics and Bot Engineering.
Publisher	VIBGYOR ePress
Topics/ Content	The Journal focuses upon publishing various aspects under the scope of: Object Oriented Programming, Artificial Intelligence for Robotics, Automatic Control Systems, Automation, Automation System Design, Automobile Engineering, Basic Electrical and Electronical Engineering, Basics of Robotics, Bot Engineering, CNC Machining Technology, Computer Aided Drafting, Computer Programming, Computer Coding, Data Structures, Digital Signal Processing, Electronic Circuits, Electronic Devices and Circuits, Embedded System Device, Engineering Chemistry, Engineering Graphics, Engineering Mathematics, Engineering Mechanics, Engineering Physics, Bot Applications, Industrial Robotics, Kinematics and Dynamics of Machinery, Mechanical Design, Microprocessors and Microcontrollers, Nano Computing, Operations Research, Power Electronics, Probability and Random Processes, Remote System, Renewable Energy Sources, Robotics in Medicine, Sensor Control Systems, Transforms and Partial Differential Equations, Virtual Instrumentation, VLSI Design, Wireless Communication, etc..
ISSN	2631-5106
www	https://www.vibgyorpublishers.org/journals/International-Journal-of-Robotic-Engineering.php

Nr 167/2021

Fiche developed in the frame of	TYPE:		AREA:
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	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Global Summit and Expo on Aerospace and Mechanical Engineering (GSEAME2021)

Description	The GSEAME2021 will present the most recent advances in technology developments and business opportunities in Aerospace and Mechanical Engineering. Highly cited researchers from renowned universities across the globe and industry leaders will share their research and vision, while selected talks from industrial exhibitors will present commercial showcases in all current market fields of Aerospace and Mechanical Engineering.
Goal	It aims to provide a forum for academicians, engineers, educators and policy-makers from all over the world, to exchange their experiences and share research results about all aspects of Aerospace & Mechanical Engineering and discuss the encountered practical challenges and the adopted solutions.
Organizer	The Scientistt
Topics	Aerospace Engineering, Mechanical Engineering
Date	**18-20.10.2021**
Costs	
www	https://www.thescientistt.com/aerospace-mechanical-engineering/

Categories	Standard on/before 28.01.2021	On Spot
Speaker	$899	$1099
Invited Speaker	$749	$949
Poster	$499	$599
Delegate/Listener	$899	$999
Student Delegate/Listener	$299	$299
Accompanying Person	$200	$200

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, **autonomous systems,** artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:
NATO M&S COE MESAS 2020 - Modelling & Simulation for Autonomous Systems Conference

Description	Conference is a part of FUTURE FORCES FORUM (21-23 Oct 2020,Prague) - international exhibition and expert events on the latest trends and technologies in defence and security.
Goal	To discus the latest trends in simulations of autonmous systems used in military applications.
Organizer	Progres Partners Advertising
Co-organizers/ Patrons	
Topics	Simulation for Autonomous Systems
Date	28 Apr 2021 - 30 Apr 2021
Costs	20 euro
www	https://future-forces-forum.org/events/registration?lang=en

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	Conference	Training	**Robotics, autonomous systems,** artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title: Advanced Factories 2021	
Description	Advanced Factories is the annual Summit on industrial innovation.
Goal	To present the lastest innovations in Industrial Automation equipments together with technologies that emerge from the Industry.
Organizer	Nebext
Co-organizers/ Patrons	
Topics	industrial automation, robotics, machine-tool and digital manufacturing
Date	20 Apr 2021 - 22 Apr 2021
Costs	
www	https://www.advancedfactories.com/en/visit/

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	**Training**	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR** : command, control, communications, **computers**, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

CVML Short Course: Computer Vision and Image Processing

Description	This two-day short course focuses on Computer Vision and Image Processing theory, their applications in the Visual Computing, encompassing Computer Vision and Image Processing, coupled with AI.
Goal	To present Image Processing theory and its application
Organizer	Aristotle University of Thessaloniki (AUTH)
Prerequisites	
Duration	**24-25 February 2021**
Exams	
Prize	300 Euros
No of ECTS credits	
E-learning	Yes
Job opportunities	Computer Vision Engineer
www	https://icarus.csd.auth.gr/cvml-short-course-computer-vision-image-processing/

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	European, national, regional project	University course Postgraduate studies	**C4ISTAR** : command, control, communications, **computers**, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

CVML Short Course: Machine Learning and Deep Neural Networks

Description	This two-day short course focuses on Machine Learning and Deep Neural Network theory, their applications in the Autonomous Systems domain and Robotics/Control
Goal	Presentation of theory and practical implementation of Deep Neural Networks
Organizer	Aristotle University of Thessaloniki (AUTH)
Prerequisites	
Duration	3 days, 17-18 February 2021
Exams	
Prize	300 Euros
No of ECTS credits	
E-learning	Yes
Job opportunities	Artificial Intelligence Engineer
www	https://icarus.csd.auth.gr/cvml-short-course-machine-learning-and-deep-neural-networks/

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	Policy	Journal	Cybersecurity

Title:

Building AI

Description	Building AI was developed to improve their AI-related vocabulary and skills, including non-programmers and people who can program in Python.
Goal	To show different AI methods possible and where and how these methods can be applied in real life.
Organizer	University of Helsinki and Reaktor Education
Prerequisites	Non
Duration	**50 h**
Exams	No
Prize	Free
No of ECTS credits	
E-learning	Yes
Job opportunities	Programmer
www	https://buildingai.elementsofai.com/

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	Policy	Journal	Cybersecurity

Title:

Robotics Foundations I - Robot Modeling

Description	A course that covers robot modelling using theory of mechanics.
Goal	To describe kinematics of robot manipulators is derived using a systematic approach based on the Denavit-Hartenberg convention and the use of homogeneous transformations.
Organizer	University of Naples Federico II
Prerequisites	University level mathematics
Duration	**8 weeks**
Exams	No
Prize	
No of ECTS credits	
E-learning	Yes
Job opportunities	Mechanical Engineer
www	https://www.edx.org/course/robotics-foundations-i-robot-modeling

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	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Robotics Foundation II - Robot Control

Description	A course that covers robot control and path planning using theory of control.
Goal	To describe numerical methods of robot control especially PD control and other trajectory tracking methods like position-based, image-based or other hybrid methods.
Organizer	University of Naples Federico II
Prerequisites	University level mathematics
Duration	**12 weeks**
Exams	No
Prize	Free
No of ECTS credits	
E-learning	Yes
Job opportunities	Control Systems Engineer
www	https://www.edx.org/course/robotics-foundation-ii-robot-control

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	Conference	**Training**	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Autonomous Navigation for Flying Robots

Description	In this course, the basic concepts for autonomous navigation for quadrotors are introduced.
Goal	To teach how to infer the position of the quadrotor from its sensor readings and how to navigate it along a trajectory.
Organizer	Technische Universität München (Technical University of Munich)
Prerequisites	Non
Duration	**4 weeks**
Exams	No
Prize	Free
No of ECTS credits	
E-learning	Yes
Job opportunities	Control Systems Engineer
www	https://www.edx.org/course/autonomous-navigation-for-flying-robots

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	Conference	**Training**	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

MedTech: AI and Medical Robots

Description	A course explaining what robots are and explore human robot interaction (HRI) in healthcare.
Goal	To explore how artificial intelligence is used in surgical procedures, to improve precision diagnostics, in exoskeleton technology, and even for patient care. Additionally to point out the challenges of designing robots for healthcare.
Organizer	University of Leeds
Prerequisites	Non
Duration	**2 weeks**
Exams	No
Prize	Free
No of ECTS credits	
E-learning	Yes
Job opportunities	Product designer, Medical Equipment Engineer
www	https://www.futurelearn.com/courses/medtech-ai-and-medical-robots

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	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Self-Driving Cars with Duckietown

Description	A course being a practical introduction to vehicle autonomy.
Goal	To explore real-world solutions to the theoretical challenges of automation especially in self-driving cars, including their implementation in algorithms and their deployment in simulation as well as on hardware.
Organizer	ETH Zurich
Prerequisites	Non
Duration	**10 weeks**
Exams	No
Prize	Free
No of ECTS credits	
E-learning	Yes
Job opportunities	Control Systems Engineer
www	https://www.edx.org/course/self-driving-cars-with-duckietown

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	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

20 International Conference on Defence Technology

Description	The 2020ICDT follows on from the very successful 2018 ICDT. Over 600 delegates, representing over 20 countries, attended the 2018 ICDT. Countries represented included France, Italy, Poland, Russia, Singapore, South Africa, Sweden, UK, USA and China. There were many extremely interesting and informative presentations covering basic research in the fields of impact physics, rail guns, energetic materials, properties of materials, novel manufacturing processes and photoelectronic information systems.
Goal	The 2020ICDT brings together many different and extremely interesting and informative presentations covering basic research in the fields of defence science and technology.
Organizer	Defence Technology
Co-organizers/ Patrons	
Topics	• Autonomous Technology • Energetic Materials • Explosion & Impact, including Armour & Protection • Novel Manufacturing Processes and Management (includes Additive Manufacturing, 3D Printing, Metals with Nanostructures, Casting Technology） • Application of Composite Materials • Directed Energy and Pulsed Power • Modelling & Simulation in Defence Science & Technology • Photoelectronic Information Technology • Other Defence Technologies
Date	**26-29 October 2020**
Costs	
www	www.icdt-conf.com

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	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project**	University course Postgraduate studies	**C4ISTAR**: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

OpenAIRE

Description	OpenAIRE is a participatory initiative from its onset. Currently network of 34 European National Open Access Desks are experts in open access and open science. They are embedded in national infrastructures and settings voicing the needs of the research community. Tasks performed by OpenAIRE: • Align policies, • Provide open science services, • Link research, • Monitor (open) science, • Train for open science, • Build global bridges, • Facilitate Open Innovation.
Goal	Shift scholarly communication towards openness and transparency and facilitate innovative ways to communicate and monitor research. Transform society through validated scientific knowledge. Allow citizens, educators, funders, civil servants and industry find ways to make science useful for themselves, their working environments, the society.
Organization	OpenAIRE
Connected initiatives	**European Open Science Cloud;** **European Cloud Initiative;** **Open Innovation, Open Science, Open to the world;** **Public Sector Information;**
Funding	OpenAIRE - Advance receives funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No. 777541.
www	https://www.openaire.eu/

Nr 180/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

16th International Conference on Evaluation of Novel Approaches to Software Engineering

Description	The mission of ENASE (Evaluation of Novel Approaches to Software Engineering) is to be a prime international forum to discuss and publish research findings and IT industry experiences with relation to novel approaches to software engineering. The conference acknowledges evolution in systems and software thinking due to contemporary shifts of computing paradigm to e-services, cloud computing, mobile connectivity, business processes, and societal participation. By publishing the latest research on novel approaches to software engineering and by evaluating them against systems and software quality criteria, ENASE conferences advance knowledge and research in software engineering, including and emphasizing service-oriented, business-process driven, and ubiquitous mobile computing. ENASE aims at identifying most hopeful trends and proposing new directions for consideration by researchers and practitioners involved in large-scale systems and software development, integration, deployment, delivery, maintenance and evolution.
Organizer	INSTICC, the Institute for Systems and Technologies of Information, Control and Communication
Topics	1. Theory and Practice of Systems and Applications Development 2. Challenges and Novel Approaches to Systems and Software Engineering (SSE) 3. Systems and Software Quality 4. Systems and Software Engineering (SSE) for Emerging Domains
Date	26-27.04.2021
Costs	295€ - Member of INSTICC 335€ - Non member
www	http://www.enase.org/

Nr 181/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

16th International Conference on Software Technologies

Description	The purpose of the International Conference on Software Technologies, is to bring together researchers, engineers and practitioners interested on software technologies. The conference areas are "Software Engineering and Systems Development", "Software Systems and Applications" and "Foundational and Trigger Technologies".
Organizer	INSTICC, the Institute for Systems and Technologies of Information, Control and Communication
Topics	1. Software Engineering and Systems Development 2. Software Systems and Applications 3. Foundational and Trigger Technologies
Date	6-8.07.2021
Costs	395€ - Member of INSTICC 445€ - Non member
www	http://www.icsoft.org/

Nr 182/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

International Conference on Electrical, Computer, Communications and Mechatronics Engineering

Description	The International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) is the premier event that brings together industry professionals, academics, and engineers from the related institutions to exchange information and ideas on electrical, computer, communications and mechatronic engineering. The conference will feature a comprehensive technical program offering numerous technical sessions with papers showcasing the latest technologies, and applications. All submissions will be subject to double blind reviews and accepted papers will be submitted for inclusion in IEEE Xplore.
Organizer	IEEE-Mauritius Section
Topics	Electrical Energy Generation, Transmission and Distribution Renewable Energy Systems, Solar Technology Electrical Machines, Power Electronics Computer Vision Artificial Intelligence, Machine Learning Computer Networks Big Data, Data Mining Signal Modelling for Audio-Visual Communication Telecommunication Systems Digital Communication Systems Fiber-optic Communication Mechatronics Engineering, Micro Mechatronics, Mechatronics in Energy Systems Advanced Manufacturing Intelligent Control Fault Detection and Diagnosis in Mechatronics Systems IoT and sensor networks Robotics and automation Engineering applications supporting the SDGs
Date	**7-8.10.2021**
Costs	

	Before 01 August 2021	After 02 August 2021
Regular Authors	400 EURO	500 EURO
IEEE Member / Student	350 EURO	450 EURO
Virtual (Remote) Presentation(*)	250 EURO	300 EURO
Registration Fee for 2nd paper	200 EURO	250 EURO
Listener (**)	200 EURO	250 EURO

www	http://www.iceccme.com/

Nr 183/2021

Fiche developed in the frame of	**TYPE:**		**AREA:**
	Conference	Training	**Robotics, autonomous systems**, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

SPECIAL ISSUE "NONLINEAR AND OPTIMAL, REAL-TIME CONTROL OF UAV"

Description	A special issue of *Machines*. Deadline for manuscript submissions: **31 October 2021**. *Machines* is an international, peer-reviewed journal on machinery and engineering. It publishes research articles, reviews, short communications and letters. The aim of the journal is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. The rapid development and growth in the field of UAVs as a versatile tool for monitoring, last-centimeter delivery systems, inspection, interception, photography systems, and advances in the miniaturization of their instrumentation, have given rise to widespread deployment in virtually all areas of science. This Special Issue is going to highlight advances in the development and use of nonlinear and optimal real-time control of UAVs. The articles concerning all aspects of problems involving UAV services, including data processing and sensor fusion for control purposes, obstacle and collision avoidance, trajectory generation for single UAVs or swarms of UAVs, communications and networks among UAVs, and mission planning are invited.
Topics/ Content	• applications of automation, mechatronics • systems and control engineering • electronic engineering, mechanical engineering, computer engineering • robotics, machine vision, human-machine-interfaces • industrial design, machine design, turbo machinery • mechanical systems, machines and related components • history of technology and industrial revolution • machine diagnostics and prognostics (condition monitoring)
ISSN	ISSN 2075-1702
www	https://www.mdpi.com/journal/machines/special_issues/UAV_machines

Nr 184/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems**, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

SPECIAL ISSUE "LEARNING CONTROL DESIGN AND ANALYSIS FOR HUMAN-ROBOT INTERACTION"

Description	A special issue of *Machines*. Deadline for manuscript submissions: **31 October 2021**. *Machines* is an international, peer-reviewed journal on machinery and engineering. It publishes research articles, reviews, short communications and letters. The aim is to of the journal is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: • manuscripts regarding research proposals and research ideas will be particularly welcomed • electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way - can be deposited as supplementary material
Topics/ Content	Adaptive control for robotics has been developed in the last decade, but learning control design and its application are still at an early stage. For example, the use of learning control in human–robot interaction is a great tool for handing uncertainties during the process of robots interacting with humans. This Special Issue aims to bring researchers together to present the latest advances and technologies in the field of learning control, particularly for human–robot interaction application, in order to further summarize and improve the methodologies in this field. Suitable topics include but are not limited to the following: • Modeling of learning control • Motor control and learning in human nervous systems • Learning control for human–robot interaction • Biomechanics in robotics control • Advanced control and coordination for human–robot interaction
ISSN	ISSN 2075-1702
www	https://www.mdpi.com/journal/machines/special_issues/interaction_machines

Nr 185/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems**, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

SPECIAL ISSUE "LATEST TRENDS OF AUTONOMOUS AERIAL AND TERRESTRIAL VEHICLES FOR SERVICE ROBOTICS APPLICATIONS"

Description	A special issue of *Machines*. *Machines* is an international, peer-reviewed journal on machinery and engineering. It publishes research articles, reviews, short communications and letters. In recent years, autonomous vehicles and mobile robots have been widely applied in several fields of everyday life: implementation in manufacturing processes, domestic assistance, warehouses logistics, precision agriculture, surveillance, remote presence, etc. The last global emergency related to COVID-19 emphasized how mobile autonomous robots can be extremely important in order to provide adequate services. This increased interest drove the research community to deeply investigate several aspects that directly affect the realization of robotic systems and increase their efficiency, safety, and accessibility to a growing set of possible users.
Topics/ Content	The topics of the Special Issue are related to aspects of theory, design, practice, and application, including but not limited to: • Mechanical design of novel service aerial and terrestrial vehicles; • Novel applications and research frontiers; • Low level control strategies for safe human–robot coexistence • Robots fleets: communication protocols and industrial applications.; • Surveillance, patrolling, and rescue: robotics in extreme environments for human safety; • Mobile robotics for wellbeing, rehabilitation, and bio-medical applications; • Service robots for healthcare in dangerous conditions, like ones occurred in case of COVID-19 pandemic; • Simulation and modelling of mobile robots; and • Human–robot collaboration in non-productive environments.
ISSN	ISSN 2075-1702
www	https://www.mdpi.com/journal/machines/special_issues/Autonomous_Vehicles_Service_Robotics

Nr 186/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	**University course** Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Master Class C-MAT Air Transport

Description	The air transport industry faces many challenges and is changing rapidly. C-MAT Air Transport is designed to support (international) professionals in air transport-related matters with a background in economics or management in addressing these challenges and changes. • The course Air Transport Economics & Business will provide participants with a sound knowledge and understanding of key economic and regulatory issues affecting the air transport industry. • The course Airport Management gives insights into the key issues of airport management, zooming in on the role of different actors and discussing aspects influencing the demand, supply, equilibrium, and competitiveness of airports. • The course Air Transport Pricing Strategies reviews pricing as a key strategic tool in air transport and discusses both traditional and innovative pricing systems in relation to spill rates, rate reduction and restrictions, dynamic slot allocation, etc.
University	Antwerp Management School/ University of Antwerp
Duration	6 weeks
Thematic scope	Air Transport Economics & Business Airport Management Air Transport Pricing Strategies
Costs	Per program (excl. VAT): • On campus: € 3.650 • Live stream via Microsoft Teams: € 2.900 (excl. excursions)
No of ECTS credits	All classes take place from 9AM to 5PM. Course 1: Air Transport Economics & Business January 11-22, 2021 (10 days – 6 credits) Course 2: Airport Management February 1-12, 2021 (10 days – 6 credits) Course 3: Air Transport Pricing Strategies March 8-19, 2021 (10 days – 6 credits)
E-learning	Yes
www	https://www.antwerpmanagementschool.be/en/program/c-mat-air-transport/overview#tabs

Nr 187/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

5TH WORLD CONFERENCE ON SMART TRENDS IN SYSTEMS, SECURITY AND SUSTAINABILITY (WORLDS4 2021)

Description	5th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2021) will going to be held in London, UK during July 29 - 30, 2021. This world conference will provide the participants with opportunities to discuss and explore areas related to the Theory, Development, Applications, Experiences and Evaluation of Interaction Sciences with fellow students, researchers and practitioners. Conference may concern any topic within the conference scope. Workshops may be related to any topics within the conference scope. The conference is devoted to increase the understanding role of technology issues, how engineering has taken an evolvement to prepare human friendly technology day by day.
Goal	Propose new technologies, share their experiences and discuss future solutions for design infrastructure. Provide common platform for academic pioneering researchers, scientists, engineers and students to share their views and achievements. Enrich technocrats and academicians by presenting their innovative and constructive ideas. Focus on innovative issues at international level by bringing together the experts from different countries.
Organizer	World Conference on Smart Trends in Systems, Security and Sustainability
Topics	• Smart IT infrastructure for sustainable society • Smart management prospective for sustainable society • Smart secure systems for next generation technologies • Smart trends for computational graphics and image modeling • Infrastructure and computation • Engineering applications • e-Governance and government • Intelligent systems & health informatics
Date	**29-30.07.2021**
Costs	350-450 £
www	https://worlds4.co.uk/

Nr 188/2020

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

18th International Conference on Informatics in Control, Automation and Robotics

Description	The purpose of the International Conference on Informatics in Control, Automation and Robotics (ICINCO) is to bring together researchers, engineers and practitioners interested in the application of informatics to Control, Automation and Robotics. Four simultaneous tracks will be held, covering Intelligent Control Systems, Optimization, Robotics, Automation, Signal Processing, Sensors, Systems Modelling and Control, and Industrial Informatics. Informatics applications are pervasive in many areas of Control, Automation and Robotics; This conference intends to emphasize this connection.
Organizer	INSTICC, the Institute for Systems and Technologies of Information, Control and Communication
Topics	1. Robotics and Automation 2. Intelligent Control Systems and Optimization 3. Industrial engineering, production and management 4. Signal Processing, Sensors, Systems Modelling and Control
Date	6-8.07.2021 Paris, France
Costs	395€ - Member of INSTICC 445€ - Non member
www	https://www.clocate.com/conference/international-conference-on-informatics-in-control-automation-and-robotics-icinco/8321/

Nr 189/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	**Training**	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

International Port Strategy

Description	This course will reflect on the major global macro-economic and geopolitical trends and analyse their impact on port platforms, from changing global supply chains, to digitisation, climate change and the energy transition. The course will be focused on regional differences and realities in the port sector in China, India, the Middle East, Africa, Latin America and Europe. The course will evaluate different international strategies within the port industry, and help to design own strategy on the international scene. Key benefits of the programme are: • Get up to speed with external and internal influences on ports and supply chains; • Understand the major disruptive trends and their impacts on the port platform; • Familiarize with the main aspects of developing an international strategy; • Get insights on building the international network; • Grasp the role of international cooperation in port development; • Improve your strategic thinking and make actionable recommendations in the international development of your organisation
Organizer	APEC, Antwerp Management School – C-MAT, University of Antwerp, IAPH - the International Association of Ports and Harbors
Prerequisites	This course is directed towards C-level and strategists of ports, terminal operators, shipping lines, logistics service operators and consultancy firms, who are aiming to broaden their view on the global port industry, as an important node in the global value chain.
Duration	**22.02-14.04.2021**
Price	Standard tariff € 1.400, APEC Alumni € 1.260, IAPH Members € 1.120
E-learning	Yes
www	https://apecporttraining.com/course/international-port-strategy/

Nr 190/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	**University course** Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

MASTER CLASS C-MAT MARITIME TRANSPORT

Description	The C-MAT Maritime Transport course is designed to help staff members from transport-related companies and organizations (e.g. shipping companies, port authorities, terminal operators, airlines and airports) become top-notch executives in the field. The program is divided into 3 separate two-week courses, exploring the topics of Port Economics & Business, Maritime Economics & Business, and Maritime Supply Chains.
University	Antwerp Management School/ University of Antwerp
Duration	6 weeks
Thematic scope	The course on Port Economics & Business will provide participants with thorough insights and knowledge in the role, the functioning and operations, and the policymaking regarding seaports. The course on Maritime Economics & Business focuses on issues that shape the maritime transport market. How is this market organized? What role do the authorities play? These and other crucial issues will be analyzed by means of economic tools. The course on Maritime Supply Chains provides an in-depth view into the management of maritime supply chains. It also examines how such supply chains can be affected by exogenous trends and events.
Costs	Per program (excl. VAT): • On campus: € 3.650 • Live stream via Microsoft Teams: € 2.900 (excl. excursions)
No of ECTS credits	Module 1: Port Economics & Business: January 11-22, 2021 (10 days – 6 credits) Module 2: Maritime Economics & Business: February 1-12, 2021 (10 days – 6 credits) Module 3: Maritime Supply Chains: March 8-19, 2021 (10 days – 6 credits)
E-learning	Yes
www	https://www.antwerpmanagementschool.be/en/program/c-mat-maritime-transport/overview

Nr191/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics**, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

ROBOCUP

Description	RoboCup is the largest Robotics and Artificial Intelligence competition in the world.
Goal	RoboCup aims to foster interest, practice and knowledge of related sciences: mechatronics, computer science, electronics, mechanics, Internet of Things and artificial intelligence.
Organizer	RoboCup Federation
Co-organizers/ Patrons	University of Bordeaux, RoboCup France
Topics	Mechatronics, computer science, electronics, mechanics, internet of things and artificial intelligence
Date	**2023**
Costs	/
www	https://2021.robocup.org/

Nr 192/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

PFIA 2021

Description	The AI Platform is a unique and user-friendly meeting point for the AI community, bringing together the different disciplines that make up the community and building bridges between them. For this purpose, this platform is intended for the entire French-speaking community of Artificial Intelligence to address common issues.
Goal	The objective of the Platform for Artificial Intelligence (PFIA) is to bring together researchers, industrialists and students around conferences and workshops dedicated to Artificial Intelligence (AI).
Organizer	Afia
Co-organizers/ Patrons	LaBRI (Bordeaux Computer Research Laboratory), University of Bordeaux, Inria (National Institute for Research in Digital Science and Technology), Bordeaux INP
Topics	- Practical Applications of Artificial Intelligence - Knowledge Engineering - Fundamental Artificial Intelligence - Planning, Decision Making and Learning - Multi-Agent Systems - Defense and AI - Health and RN - Games and AI
Date	**June 2021**
Costs	/
www	https://pfia2021.fr/

Nr 193/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional project	University course **Postgraduate studies**	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Engineer 3rd year, option AI

Description	The AI option is a 3rd year engineering school option in computer science. It trains students to design and deploy systems integrating the latest advances in Artificial Intelligence.
Organizer	ENSEIRB-MATMECA (Bordeaux INP), ENSC (Bordeaux INP)
Cooperation with	LaBRI (Bordeaux Computer Research Laboratory), IMS (Institute of Mathematics of Bordeaux), CNRS (French National Centre for Scientific Research), Inria (National Institute for Research in Digital Science and Technology), IBM (International Business Machines Corporation), One Point, Scalian, Airudit
Duration	1 semester (S9 – from October to January) > tutorials and projects 1 semester (S10, from February to August) > internship
Thematic Scope	To train engineers capable of : - Master the technical aspects of today's AI - Integrate AI into business projects - Know the limits of the different possible approaches - Understanding the stakes of the human/IA relationship - Use AI ethically and responsibly Covering the major application domains of AI : - Statistical learning (images, decisions, sounds, language...) - Algorithmic methods (reasoning, logic, constraints, planning...)
Costs	/
No of ECTS credits	/
E-learning	/
Tools	/
Job opportunities	/
Additional info	/
www	https://ia-bordeaux-inp.fr/

Nr 194/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title: NAIA	
Description	Forum neoaquitain realted to AI and robotics
Goal	To offer different paths to discover AI issues, adapted to all visitor profiles: managers, operational managers, technicians, CTOs, etc. To favor confrontation of points of view and discover concrete solutions. To respond to recruitment, work, investment and business needs. To make this forum a moment of opportunity.
Organizer	University of Bordeaux
Co-organizers/ Patrons	Suez, Sud-Ouest, RoboCup
Topics	What is the nature of the transformation induced by AI? What skills need to be developed in a world where AI is performing more and more tasks? What are the new forms of emerging collaborations between human and machine? Is our legal environment IA-compatible? What happens to the customer relationship when AI is involved? How prediction transforms the management of the company?
Date	9-11.12.2021
Costs	/
www	https://www.naia.io/

Nr 195/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics**, autonomous systems, artificial intelligence
	European, national, regional project	University course **Postgraduate studies**	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

DUT parcours Robotique

Description	Robotics diploma is an inter-departmental scientific and technological training about design, integration, programming and maintenance in operational conditions for robots. Activities will be developed on mobile, collaborative and industrial robots.
Organizer	IUT Bordeaux (University of Bordeaux).
Cooperation with	/
Duration	2 years
Thematic Scope	Mobile robotics, industrial robotics, advanced robotics.
Costs	/
No of ECTS credits	/
E-learning	/
Tools	/
Job opportunities	/
Additional info	/
www	https://www.iut.u-bordeaux.fr/general/parcours-robotique/

Nr 196/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics**, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

The 24th RoboCup International Symposium

Description	The 24th RoboCup International Symposium will be held in conjunction with RoboCup 2021 in a purely online setting, from 22 June to 28 June 2021. The organizers call for submissions of papers reporting innovative, original research with relevance to areas of robotics and artificial intelligence as listed below. Within the described scope of topics they also encourage submissions of high-quality overview articles, papers describing real-world research, and papers reporting theoretical results. Researchers are invited to submit their work independently of whether they participate in the RoboCup competitions or have a RoboCup team. In addition to the main track with regular research papers there will be a special track focused on systems, data, and benchmarks that will feature papers describing novel, open-source hardware and software systems, as well as datasets and benchmarks relevant to the community.
Goal	• Robot Hardware and Software • Perception and Action • Robot Cognition and Learning • Human-Robot Interaction • Multi-Robot Systems • Education and Edutainment • Applications and Benchmarking
Organizer	RoboCup Federation
Co-organizers/ Patrons	University of Bordeaux, RoboCup France
Topics	Mechatronics, computer science, electronics, mechanics, internet of things and artificial intelligence
Date	**22-28 June 2021**
Costs	/
www	https://2021.robocup.org/symposium

Nr 197/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

DATAQUITAINE

Description	An open forum about optimization, Artificial Intelligence and Operational Research, with a particular focus on Big Data, decision-making applications, and mathematical optimization.
Goal	Present the state of art and innovations. Create a network of experts (engineer, researcher, innovation or data manager, entrepreneur ...).
Organizer	Digital Aquitaine
Co-organizers/ Patrons	IMB (Institute of Mathematics of Bordeaux), Roadef (French Association for operational research and decision support), University of Bordeaux
Topics	- Data recovery: Tracking, crawling, consolidation, parsing,... - Data structuring: ETL, Indexing, Structured Data, Data Management, Learning Algorithm, Machine Learning Classification,... - Data availability : Business Intelligence, Dashboard, KPI, Security, High Performance... - Data Analysis : Forecasts, statistics, correlations, Machine Learning,... - Operational Research: Planning, Optimization, Decision Support, Simulation, Algorithm, Yield, Revenue Management, Pricing... - Artificial Intelligence: Robotics, Neural Networks, Deep Reinforcement, Automatic, Chatbot...
Date	February 2021
Costs	/
www	https://www.dataquitaine.com/2021/conference-ia-ai-datascience-ro-bordeaux-2021

Nr 198/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics**, autonomous systems, **artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

AI4INDUSTRY

Description	Event dedicated to AI training for Industry
Goal	Train current engineers and students (bachelors, masters or engineers) in fondamental and industrial AI
Organizer	Aquitaine Robotics, France
Co-organizers/ Patrons	University of Bordeaux, INRIA (National Institute for Research in Digital Science and Technology), Catie (centre Aquitain des Technologies de l'information et électroniques), Bordeaux INP, Arts et Métiers Engineering school
Topics	- AI - Big data - Smart data - Robotics - Modelization - Control chains optimisation - Predictive maintenance
Date	**January 2021**
Costs	/
www	https://www.ai4industry.fr/

Nr 199/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, **autonomous systems**, artificial intelligence
	European, national, regional project	University course **Postgraduate studies**	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Master's degree in IT, Autonomous systems (robots, drones) and Interactions

Description	Specialization of general IT training to various fields of autonomous and/or remotely operated communicating mobile systems.
Organizer	University of Bordeaux, France
Cooperation with	/
Duration	1 year (master 2)
Thematic Scope	Algorithms, equipment, operating and development systems, networks, communication, regulations, products on the market, in industry and in research laboratories.
Costs	/
No of ECTS credits	/
E-learning	/
Tools	/
Job opportunities	/
Additional info	/
www	https://www.u-bordeaux.fr/formation/2020/PRMA_68/informatique

Nr 200/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Interdisciplinary Conference on Mechanics, Computers and Electrics

Description	The goal of ICMECE2021 is to gather scientists, engineers, researchers, technicians and industrial representatives to present the cutting-edge studies on Mechanical, Computer and Electrical Systems and form an interdisciplinary academic forum to discuss the scientific and engineering issues to arrive at more complete systems for the applications of future world.
Organizer	Electrical and Computer Engineering Research Group PROJENIA R&D Ltd. Co.
Topics	Mechanical Engineering, Civil Engineering, Electrical, Electronics & Communication Engineering, Computer Science & Engineering, Communication Engineering, Mechatronics, and Natural Sciences
Date	27-28.11.2021
Costs	Regular Listener: 70 € Student Listener: 50 € Students presenting a paper: 120 € Regular Participant presenting a paper : 180 € Company Delegates: 100 € EXTRA PAPER FEE: 50 €
www	http://icmece.org/

Nr 201/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

AEROSPACE-2021

Description	2nd International Conference and Exhibition on Aerospace & Aeronautical Engineering aims at multi-disciplined audience with diverse technical, commercial, corporate, operations, planning sectors of the upstream Aerospace & Aeronautical Engineering Services. The aim of the Aerospace-2021 is to promote quality research and real-world impact in an atmosphere of true international cooperation between scientists and engineers by bringing together the world class researchers, International Communities and Industrial heads to discuss the latest developments and innovations in the fields of Aerospace. Aerospace-2021 will have 5-6 world level (Highly cited class) plenary speakers, established Keynote speakers, active Invited speakers and fresh contributed speakers. In addition, variety of poster presentations along with workshops and special sessions would be interested in audience.
Organizer	OLC International
Topics	• Aerospace Engineering • Fluid Mechanics • Space Engineering • Battery and Fuel Technology • Unmanned Aerial Vehicles • Battery and Fuel Technology • Control System • Material Science • Spacecrafts • Unmanned Aerial Vehicles • Space Engineering • Fluid Mechanics • Aerospace Engineering • Avionics • Battery and Fuel Technology • System Engineering • Aerodynamics • Acoustics • Aerothermodynamics • Astronomy • Aeroelasticity • Radar Cross-Section • Additive Manufacturing • Heat Transfer • Combustion And Propulsion • Novel aero engines • Cabin systems • Robotics and Rotorcraft • Satellite communications and Signal Processing
Date	27-29.09.2021
Costs	
www	https://www.olcinternational.com/aerospace/index.php

	Earlybird Registration on/before April 28, 2021	Standard Registration on/before May 28, 2021	On Spot Registration on September 27, 2021
☐ Speaker Registration	○ $699	○ $799	○ $899
☐ Poster Registration	○ $399	○ $499	○ $599
☐ Delegate/Listener Registration	○ $799	○ $899	○ $999
☐ Student Delegate/Listener	○ $299	○ $299	○ $299
☐ Accompanying Person	$200	$200	$200

Nr 202/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

14th IFAC Workshop on Intelligent Manufacturing Systems (IMS 2022)

Description	This event will be held in Tel-Aviv, Israel and will have specific attention to the latest innovations, on-going efforts, and the best practices, in experiencing: Industry 4.0 era, smart factory and its cyber-physical systems, intelligent inspection to monitor the manufacturing health, and advanced use of technologies for intelligent manufacturing (for example, cobots, augmented reality, smart contracts, and additive manufacturing).
Organizer	IFAC TC 5.1 - Manufacturing Plant Control
Topics	• Intelligent support systems for manufacturing decision making • Smart quality assurance and intelligent inspection • Smart maintenance with predictive and prescriptive capabilities • Augmented reality for operator assistance • Cobots and innovative robotic technologies and their implementations in shop floors • Artificial intelligence for manufacturing processes • Vision systems for manufacturing processes • Big data analytics for manufacturing systems & processes • Machine learning for manufacturing processes • Fusion of sensor information for manufacturing processes • Additive manufacturing technologies for on-demand production and personalized products • Digital twins for decision making in Industry 4.0 era • Virtualization and simulation techniques for manufacturing decision making • Bio-inspired manufacturing, theory of complexity, swarm intelligence, and self-adaptation • Self-configuration and self-diagnosis IoT methods for manufacturing shop floors • Self-optimization models for scheduling and sequencing manufacturing shop floor • Blockchain technology and its application in manufacturing • Intelligent tracking and decision-making for resource efficiency in the circular economy • Autonomy, autonomous vehicles, and drones • Control algorithms for smart part logistics • Self-organizing systems and emergent behaviour • Novel industrial case studies to examine the implementation of “Digital Manufacturing"
Date	28-30.03.2022
Costs	
www	https://ws.eventact.com/IMS2022/Home

	Early bird registration (before 01. 12. 2021)	Normal registration (before 20. 02. 2022)	Late registration (After 20. 02. 2022)
Regular	500 Euro	550 Euro	650 Euro
Student	240 Euro	300 Euro	350 Euro

Nr 203/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

iRobotics-2021

Description	International Conference and Expo on Robotics and Artificial Intelligence (AI) (iRobotics-2021) which will be held during November 8-10, 2021 at Frankfurt, Germany. Frankfurt is now an established event, attracting global participant's intent on sharing, exchanging and exploring new avenues of Robotics and AI related research and latest developments. The event will have world level Plenary Speakers, established Keynote speakers, active Invited speakers and fresh contributed speakers. In addition, variety of poster presentations along with workshops and special sessions would be interested in audience.
Goal	It is to promote quality research and real-world impact in an atmosphere of true international cooperation between scientists and engineers by bringing together again the world class researchers, International Communities and Industrial heads to discuss the latest developments and innovations in the fields of Robotics.
Organizer	PAGES Pangea Global Events
Topics	• Robotics, Drones, Soft Robotics • Automated Machine Learning • Cyborg Technology, Computer Vision • Block chain, AI Applications • Intelligent Transportation Systems • Internet of Things (IOT) • Intelligent Mechatronics and Robotics • Natural Language Processing • Brain Machine Interface • New Approaches in Robotics and Automation, Human-Robot Interface • Agricultural Automation, Energy and Environment-Aware Automation • Robotics in Agriculture and Forestry • Industrial Applications of Robotics • Knowledge Representation and Reasoning • Applications of Nanorobots/ Robotics in Nanotechnology • AI, New AI Tools to Fight Coronavirus • AI Enabled Chips, AI in Life Sciences • AI and Cloud Computing • Computational Intelligence • Human Computer Interaction • Genetic Algorithms and Reinforcement Learning • Cognitive Intelligence • Design and Simulation Of Robotics • Construction Robotics and Automation • Robot Localization and Map Building • Cyber Robotics, Surgical Robotics • Medical Robots and Systems
Date	

	Earlybird Registration on/before April 28, 2021	Standard Registration on/before July 28, 2021	On Spot Registration on November 8, 2021
Speaker Registration	$699	$799	$899
Delegate Registration	$799	$899	$999
Student/Poster Registration	$300	$350	$400
Accompanying Person	$200	$200	$200

Costs	08-10.11.2021
www	https://www.pagesconferences.com/robotics-conference/

Nr 204/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

16th INTERNATIONAL CONFERENCE
Dynamical Systems Theory and Applications

Description	The 16th International Conference "Dynamical Systems – Theory and Applications" (DSTA 2021) will be held from December 6-9, 2021 as a fully virtual event. The main objective of DSTA is to provide a common platform for exchange of new ideas and results of recent research in the field of theoretical and technological advances in modern dynamical systems.
Organizer	Department of Automation, Biomechanics and Mechatronics of Lodz University of Technology
Topics	• bifurcations and chaos in dynamical systems • asymptotic methods in nonlinear dynamics • dynamics in life sciences and bioengineering • original numerical methods of vibration analysis • control in dynamical systems • optimization problems in applied sciences • stability of dynamical systems • experimental/industrial studies • vibrations of lumped mass and continuous systems • non-smooth systems • engineering systems and differential equations • mathematical approaches to dynamical systems • mechatronics
Date	6-9.12.2021
Costs	**Early bird – before June 30** / **Regular – after June 30** Regular attendee: 125 EUR | 575 PLN / 150 EUR | 690 PLN Member of the Scientific Committee: 100 EUR | 460 PLN / 125 EUR | 575 PLN Organizer of the Special Session: 100 EUR | 460 PLN / 125 EUR | 575 PLN
www	https://www.dys-ta.com/

Nr 205/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Siga2 Maritime and Ports

Description	The conference featured presentations that deal with a topic, considered to be at current a key development in the port and maritime business, either at management, operational or policy level.
Organizer	The Special Interest Group A2 (Ports and Maritime) of the World Conference on Transport Research Society (WCTRS)
Topics	• maritime transportation • port activities • hinterland transportation • business economics • transport planning • policy-making • environmental issues • maritime and port engineering • infrastructure • equipment • investment and finance • cost optimisation • chain optimisation • human resources • employment • legal issues
Date	5-7.05.2021
Costs	€150
www	https://www.uantwerpen.be/en/conferences/siga2-2021-conferenc/

Nr 206/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

13th International Joint Conference on Computational Intelligence

Description	The purpose of IJCCI is to bring together researchers, engineers and practitioners on the areas of Fuzzy Computation, Evolutionary Computation and Neural Computation. IJCCI is composed of three co-located conferences, each specialized in at least one of the aforementioned main knowledge areas: • 13th International Conference on Evolutionary Computation Theory and Applications • 13th International Conference on Fuzzy Computation Theory and Applications • 13th International Conference on Neural Computation Theory and Applications
Organizer	INSTICC, the Institute for Systems and Technologies of Information, Control and Communication
Topics	• Memetic Algorithms • Evolutionary Search and Meta-Heuristics • Representation Techniques • Co-Evolution and Collective Behavior • Genetic Algorithms • Evolutionary Multi-Objective Optimization • Swarm/Collective Intelligence • Ant Colony Optimization • Evolutionary Learning Systems • Evolvable Computing • Evolvable/Adaptive Hardware and Systems • Applications: Games and Entertainment Technologies, Evolutionary Robotics, Evolutionary Art and Design, Industrial and Real World Applications, Computational Economics and Finance • Hyperheuristics • Bio-inspired Metaheuristics • Artificial Life • Genetic Programming • Hybrid Neuro/Genetic, Fuzzy/Genetic Systems • Fuzzy Control • Fuzzy Logic in Robotics • Neuro-Fuzzy Systems • Fuzzy Deep Learning • Approximate Reasoning • Fuzzy Information Processing • Fuzzy Methods in Knowledge Discovery • Fuzzy Methods in Data Analysis • Fuzzy Clustering, Classification and Pattern Recognition • Fuzzy Approaches to Information Retrieval • Adaptive, Hierarchical, Hybrid, and Type 2 Fuzzy Systems • Fuzzy Decision Analysis, Multi-Criteria Decision Making and Decision Support

<table>
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Industrial, Financial, Medical, and Other Applications Using Fuzzy Methods
Adaptive Architectures and Mechanisms
Applications: Image Processing and Artificial Vision, Pattern Recognition, Decision Making, Industrial and Real World Applications, Financial Applications, Neural Prostheses and Medical Applications, Neural Based Data Mining and Complex Information Process
Complex Artificial Neural Network Based Systems and Dynamics
Computational Neuroscience
Convolutional Neural Networks
Deep Learning
Higher Level Artificial Neural Network Based Intelligent Systems
Learning Paradigms and Algorithms
Neurocomputational Formulations
Neural Approaches and Neural Architectures
Kernel Neural Networks
Recurrent Neural Networks
Reinforcement Learning
Self-Organizing Maps (SOM) and Self-organizing Systems
Bio-inspired models and solutions
Stability and Instability in Artificial Neural Networks
Stochastic Learning and Statistical Algorithms
Support Vector Machines and Kernel Methods
Neural based Implementation, Applications and Solutions
Neuro-Fuzzy Approaches, Solutions and Applications

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<tr><td>Date</td><td>25-27.10.2021</td></tr>
<tr><td>Costs</td><td>
<table>
<tr><th colspan="2" rowspan="2"></th><th colspan="6">Prices (EUR)</th></tr>
<tr><th colspan="3">INSTICC Member /Sponsor</th><th colspan="3">Regular</th></tr>
<tr><th colspan="2"></th><th>Early</th><th>Late</th><th>On-Site</th><th>Early</th><th>Late</th><th>On-Site</th></tr>
<tr><td rowspan="2">Speaker (student or non-student)</td><td>Conference, Workshops or Special Sessions</td><td>395€</td><td>475€</td><td>----</td><td>445€</td><td>520€</td><td>----</td></tr>
<tr><td>Abstract or Doctoral Consortium</td><td>150€</td><td>175€</td><td>----</td><td>165€</td><td>190€</td><td>----</td></tr>
<tr><td rowspan="3">Non-Speaker</td><td>Regular</td><td>150€</td><td>175€</td><td>----</td><td>165€</td><td>190€</td><td>----</td></tr>
<tr><td>Program Committee, Co-Author or Student</td><td>120€</td><td>145€</td><td>----</td><td>140€</td><td>165€</td><td>----</td></tr>
<tr><td>1-day Pass</td><td>95€</td><td>120€</td><td>----</td><td>115€</td><td>135€</td><td>----</td></tr>
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<tr><td>www</td><td>http://www.ijcci.org/</td></tr>
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Nr 207/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability

Description	ARTIIS 2021 is an international forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences, and concerns in the several perspectives of Technologies, Information, Innovation, and Sustainability.
Organizer	Centro de Investigación y Innovación en Sistemas y Telecomunicaciones Centro ALGORITMI
Topics	**Computing Solutions** • Applied Information Systems • Web and Mobile Applications • Networks, Mobility, Ubiquity and Pervasive Systems • Innovative Computing • Gamification Application and Technologies • Software Engineering **Data Intelligence** • Advanced Computational Intelligence • Computer Vision and Image Processing • Artificial Intelligence and Data Science • Data Engineering, Analytics, and Applications • Intelligent and Decision Support Systems • Information and Knowledge Management **Sustainability** • Immersive Tech and the Future of Smart Cities • Industrial Advanced Internet of Things • Internet of Things Environment • Sustainable Infrastructure Development • Technology, Marketing and Socio-economic challenges **Ethics, Security, and Privacy** • Information and Telecommunication Systems Security • Innovative Communication Networks and Security • Vulnerabilities of Interoperability and Information system • Interdisciplinary Information Studies • Ethics of Social Sciences for Computer Applications
Date	25-27.11.2021
Costs	Registration / Until July 25 / After July 25 Standard Author Fee: 200,00 € / 250,00 € Student Author Fee: 100,00 € / 150,00 € Extra Paper: 75,00 € / 100,00 € Attendee: - € / - €
www	https://www.artiis.org/

Nr 208/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

5th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2021)

Description	5th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2021) will going to be held in London, UK. This world conference will provide the participants with opportunities to discuss and explore areas related to the Theory, Development, Applications, Experiences and Evaluation of Interaction Sciences with fellow students, researchers and practitioners. The conference is devoted to increase the understanding role of technology issues, how engineering has taken an evolvement to prepare human friendly technology day by day. The conference will provide a platform for bringing forth significant research and literature across the field of Security, Systems and Sustainability and provide an overview of the technologies waiting unveiling.
Goal	• The conference is anticipated to attract a large number of high quality submissions and stimulate the cutting-edge research discussions among many academic pioneering researchers, scientists, industrial engineers, students from all around the world and provide a forum to researcher. • Propose new technologies, share their experiences and discuss future solutions for design infrastructure. • Provide common platform for academic pioneering researchers, scientists, engineers and students to share their views and achievements. • Enrich technocrats and academicians by presenting their innovative and constructive ideas. • Focus on innovative issues at international level by bringing together the experts from different countries.
Organizer	GR Foundation
Topics	• SMART IT INFRASTRUCTURE FOR SUSTAINABLE SOCIETY • SMART MANAGEMENT PROSPECTIVE FOR SUSTAINABLE SOCIETY • SMART SECURE SYSTEMS FOR NEXT GENERATION TECHNOLOGIES • SMART TRENDS FOR COMPUTATIONAL GRAPHICS AND IMAGE MODELING • INFRASTRUCTURE AND COMPUTATION • ENGINEERING APPLICATIONS • E-GOVERNANCE AND GOVERNMENT • INTELLIGENT SYSTEMS & HEALTH INFORMATICS
Date	29-30.07.2021
Costs	Standard Author: GBP £450 IEEE Member: GBP £425 Research Student Author: GBP £400
www	https://worlds4.co.uk/index.php

Nr 209/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Industrial Simulation Conference (ISC'2021)

Description	The aim of the 19th annual Industrial Simulation Conference (ISC'2021), the premier annual industrial simulation conference in Europe, is to give a complete overview of this year's industrial simulation related research and to provide an annual status report on present day industrial simulation research within the European Community and the rest of the world in line with European industrial research projects. With the integration of artificial intelligence, agents and other modelling techniques, simulation has become an effective and appropriate decision support tool in industry. The exchange of techniques and ideas among universities and industry, which support the integration of simulation in the everyday workplace, is the basic premise at the heart of ISC'2021 conference.
Organizer	University of Malta
Topics	• Discrete Event Simulation Methodology, Languages and Tools • Artificial Intelligence, IOT AND VR Graphics Applied to Industry • Complex Systems Modelling • Simulation in Robotics • Simulation in Engineering • Simulation in Collaborative Engineering • Simulation in Manufacturing • Simulation in Logistics and Traffic • Datamining Business Processes, Geosimulation and Big Data • Simulation in Economics and Business • Simulation in Economic and Risk Management • Simulation in Automotive Systems • Simulation in the Power industry • VR/AR Simulations in Education • Information Security, Privacy and Applications
Date	2-4.06.2021
Costs	On-Site Author and Non-Author Registration Fees

	Author	Members	Non-members
Before April 30, 2021	€ 510	€ 510	€ 565
After April 30, 2021	N/A	€ 565	€ 605

Off-Site Author and Non-Author ELECTRONIC PARTICIPATION FEES

	Author	Members	Non-members
Before April 30, 2021	€ 390	€ 210	€ 250
After April 30, 2021	N/A	€ 210	€ 275

www	https://www.eurosis.org/conf/isc/2021/

Nr 210/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

International Conference on Electrical, Computer and Energy Technologies (ICECET)

Description	It is a multidisciplinary, peer-reviewed international conference held in Cape Town – South Africa that provides a forum for the exchange of latest technical information, the dissemination of the high-quality research results, the presentation of the new developments in the area, debate and shaping of future directions and priorities and sharing insights on technology needs for the 4IR. ICECET aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Electrical, Computer and Energy Technologies.
Organizer	International Conference on Electrical Computer and Energy Technologies
Topics	• Antennas and Propagation • Applied Computer Science • Artificial Intelligence • Cloud Computing • Computer Architecture and Embedded Systems • Computer Based Learning • Electronic Engineering • Energy Saving Technologies • Energy Storage Technologies and Devices • Energy Transmission and Distribution • High Voltage Engineering • Human-Computer Interaction • Internet of Things and Big Data • Networks and Security • Photovoltaic Systems and Solar Energy • Power Electronics Applications • Power Systems and Automation • Renewable Energy Systems • RF and Microwave Circuits • Signal and Image Processing • Software Engineering • VLSI and MEMS Design • Cyber Physical Systems Engineering
Date	09-10.12.2021
Costs	**Standard (Paper publication and oral presentation)** Regular Authors: Before 01 August 2021: 400 EURO; After 02 August 2021: 500 EURO IEEE Member / Student: 350 EURO; 450 EURO Virtual (Remote) Presentation(*): 300 EURO; 350 EURO Registration Fee for 2nd paper: 200 EURO; 250 EURO **Abstract Registration (Oral presentation only)** Regular Authors: Before 01 August 2021: 350 EURO; After 02 August 2021: 450 EURO IEEE Member / Student: 300 EURO; 400 EURO Virtual (Remote) Presentation(*): 250 EURO; 300 EURO Registration Fee for 2nd paper: 150 EURO; 200 EURO **Listener Registration** Listener: Before 01 August 2021: 200 EURO; After 02 August 2021: 250 EURO
www	http://www.icecet.com/

Nr 211/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Artificial Intelligence of Things (AIoT 2021)

Description	The First International Conference of Artificial Intelligence of Things (AIoT 2021) aims to bring together researchers and professionals to exchange ideas on the advancement and emerging role of Artificial Intelligence of Things and its applications in various fields. The event will cover two days of top-quality content and innovative thought leadership discussions encompassing the AIoT ecosystem. It will explore the latest developments, innovations and best practices within the Artificial Intelligence of Things and the impact it has on industries including: manufacturing, transport, supply chain, communication, government, legal sectors, financial services, energy utilities, insurance, healthcare, retail and many others.
Organizer	Near East University Istambul Aydin University International Conference on Artificial Intelligence of Things
Topics	• IoT Architecture with Embedded AI • Applied AIoT Strategies • AIoT Connectivity & Network Integration • Barriers to Adoption • Big Data & AIoT • Ethics for AIoT • AIoT & Societies • AI for IoT Security & Privacy • e-Health & wearable AIoTs • Use of AIoT in Health System • Innovations & Solutions • Transformation & Digitization • Data Engineering & Analytics • Web of Things • AIoT Communication Technologies • Massive Connectivity in AIoT • Energy Efficiency & Sustainability in AIoT • Security & Privacy in AIoT • Robotic AIoT Systems • AIoT & Cloud Architectures • Human Interaction with AIoT • Sensing, Signal Processing, Actuation and Analytics • Agri-tech & AIoT • Real-world Applications, & Deployments • (Software) Interoperability in AIoT • Self-adaptation for AIoT Systems • AIoT vision with 5G & Beyond • Blockchain Solutions for AIoT • AIoT based on Edge to Cloud orchestration
Date	03-04.09.2021
Costs	**International Participants** Author: Early Reg. $550, Late Reg. $650 Student: Early Reg. $450, Late Reg. $500 **Local Participants (Cyprus & Turkey)** Author: Early Reg. 2000TL, Late Reg. 2500TL Student: Early Reg. 1000TL, Late Reg. 1250TL
www	http://aiot.sci-conf.com/

Nr 212/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional project	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	**Journal**	Cybersecurity

Title:

International Journal of Production Research

Description	The International Journal of Production Research (IJPR), published since 1961, is a well-established, highly successful and leading journal reporting manufacturing, production and operations management research. IJPR is published 24 times a year and includes papers on innovation management, design of products, manufacturing processes, production and logistics systems. Production economics, the essential behaviour of production resources and systems as well as the complex decision problems that arise in design, management and control of production and logistics systems are considered. Manufacturing strategy, policy formulation and evaluation, and the contribution of new technologies are also major concerns of the journal. Fundamental techniques developed in computer, decision and mathematical sciences which can be used in the design, measurement or operation of production and logistics systems are also considered.
Publisher	Taylor & Francis
Topics/ Content	• Design of products and manufacturing processes • Production system and supply network engineering • Essential behaviour of production resources and systems • Production strategies and related economics issues • Production policy formulation and evaluation • Production planning and scheduling • Contribution of new technologies to production and logistics • Applications of production research to services
ISSN	00207543, 1366588X
Cost	https://www.taylorfrancis.com/authorcharges/
www	https://www.tandfonline.com/toc/tprs20/current

Nr 213/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project** **Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Enterprise Europe Network

Financing entity	European Commission
Managing entity	European Innovation Council and SMEs Executive Agency (EISMEA)
Programme	Single Market Programme (SMP)
Type of action	SMP-COSME-EEN SMP COSME Enterprise Europe Network Actions
Call	Enterprise Europe Network (SMP-COSME-2021-EEN)
Objectives of the call	To improve the competitiveness and sustainability of medium-sized enterprises (SME's) and promoting entrepreneurship by assistance in becoming more economically, environmentally and socially sustainable, supporting their digitalisation and greater resilience to shocks, supporting their innovation and access to the Single Market and third country markets. The call's objective is also to assist SME's in cooperation and integration with local, regional, national and European clusters, industrial ecosystems and global value chains.
Who can apply?	European medium-sized enterprises
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	42 months
Deadline	11 August 2021, 2 December 2021, 27 April 2022
Maximum amount/ Call budget	Call budget: EUR 164 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/smp-cosme-2021-een-01

Nr 214/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Energy Harvesting and Storage Technologies

Financing entity	European Commission
Managing entity	European Innovation Council
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-EIC HORIZON EIC Grants
Call	EIC Transition Challenges 2021 (HORIZON-EIC-2021-TRANSITION-CHALLENGES-01)
Objectives of the call	The proposals are expected to develop energy storage technologies or combined energy harvesting/storage technologies ready for investment and business development, with the perspective to capture specific systems integration opportunities.
Who can apply?	A single legal entity from EU member states or a small consortium of minimum two and maximum five independent legal entities
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	The EIC considers proposals with a duration of up to 3 years as appropriate. Nonetheless, this does not preclude you to request a different duration, if properly justified.
Deadline	22 September 2021
Maximum amount/ Call budget	Maximum amount: EUR 2 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eic-2021-transitionchallenges-01-02

Nr 215/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project** **Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Preparatory action - Increasing access to educational tools in areas and communities with low connectivity or access to technologies

Financing entity	European Commission
Managing entity	Interactive Technologies, Digital for Culture and Education
Programme	Pilot Projects & Preparation Actions (PPPA)
Type of action	PPPA Pilot Projects and Preparatory Actions
Call	Preparatory action - Increasing access to educational tools in areas and communities with low connectivity or access to technologies (PPPA-2021-RemoteDigEdu)
Objectives of the call	This action aims at addressing inequalities of access to digital education by enhancing inclusion and by reducing the digital gap suffered by pupils from remote areas and communities with low connectivity, limited or no access to devices and digital educational tools and content.
Who can apply?	Public authorities, educational institutions including higher educational establishment, industry including small and medium enterprises (SMEs), research centres, non-profit organisations (NGOs) and other actors from EU member states and EFTA, EEA countries.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	Max 24 months
Deadline	15 July 2021
Maximum amount/ Call budget	Maximum amount: > EUR 750 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/pppa-2021-remotedigedu

Nr 216/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project** **Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Improving expertise in the field of industrial relations

Financing entity	European Commission
Managing entity	European Commission, Directorate-General for Employment, Social Affairs and Inclusion (DG EMPL)
Programme	Social Prerogative and Specific Competencies Lines (SOCPL)
Type of action	SOCPL-PJG SOCPL Project Grants
Call	Improving expertise in the field of industrial relations (SOCPL-2021-IND-REL)
Objectives of the call	To promote analysis and research on industrial relations, at EU level as well as in comparative terms (identifying convergences and differences in the industrial relations systems in place in the EU Member States and in Candidate Countries), thereby contributing and promoting exchange of information and experience among the parties actively involved in industrial relations, with the aim of contributing to developing and reinforcing industrial relations structures in Europe.
Who can apply?	The single applicant: an international organisation from EU member state. The Coordinator, other beneficiaries, affiliated entities and associated partners must fall within one of the following categories: non-profit-making organisations such as universities and research institutes, social partners, public authorities, international organisations, European-level organizations.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	12 - 24 months
Deadline	15 July 2021
Maximum amount/ Call budget	Call budget: EUR 4 150 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/socpl-2021-ind-rel-01

Nr 217/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Enhancing synergies between the EIC and Startup Europe

Financing entity	European Commission
Managing entity	European Innovation Council
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Enhancing synergies between the EIC and Startup Europe (HORIZON-EIC-2021-STARTUPEU-01)
Objectives of the call	Actions will reinforce the activities of the European Innovation Council by targeting digital and deep tech startups that have received support from EIC to support their scale up in Europe. The actions can support also deep tech startups not yet been supported by the EIC, including startups that have already received private investment or EU funding (e.g. under Horizon Europe or the Digital Europe Programme), and raise their awareness of the opportunities on offer from the EIC. It is foreseen that the targeted startup communities will contribute to development of applications that foster climate-neutrality, digital and circular economy, clean industry and user-centric technology development, while also encouraging inclusiveness, and incorporating European social and ethical values.
Who can apply?	Startup ecosystem builders, business angel organisations, venture capital entities, accelerators, incubators, startup associations
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	2 years
Deadline	22 September 2021
Maximum amount/ Call budget	Call budget: EUR 6 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eic-2021-startupeu-01-01

Nr 218/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project** **Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Information, consultation & participation of representatives of undertakings

Financing entity	European Commission
Managing entity	European Commission, Directorate-General for Employment, Social Affairs and Inclusion (DG EMPL)
Programme	Social Prerogative and Specific Competencies Lines (SOCPL)
Type of action	SOCPL-PJG SOCPL Project Grants
Call	Information, consultation & participation of representatives of undertakings (SOCPL-2021-INFO-REPR)
Objectives of the call	Promoting transnational cooperation in one, or any combination of, the following areas: - supporting worker involvement in the anticipation and management of change and the prevention and resolution of disputes in the event of various forms of restructuring in Union scale undertakings and groups of undertakings, as well as developments in the context of outsourcing / subcontracting, digitalisation / artificial intelligence /automation / telework and new forms of work, supporting worker involvement in designing and implementing actions to address the impact of the COVID-19 measures on the labour force.
Who can apply?	The applicants (representative of workers or employers) must be legal entities from EU Member States and in some cases from the European Economic Area countries.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	12 - 24 months
Deadline	27 July 2021
Maximum amount/ Call budget	Call budget: EUR 6 300 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/socpl-2021-info-repr

Nr 219/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project** **Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers,** **information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

The European Innovation Procurement Awards Prize

Financing entity	European Commission
Managing entity	European Innovation Council and SMEs Executive Agency
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RPr HORIZON Recognition Prize
Call	The European Innovation Procurement Awards Prize (HORIZON-EIC-2021-InnovationProcurementAwardsPrize)
Objectives of the call	The European Innovation Procurement Awards aim to recognise public and private buyers across Europe and Associated countries in their efforts to promote innovation procurement and the innovative ways the solutions are procured. It also aims to emphasise the importance of close buyer–supplier cooperation in bringing the innovative solutions to market.
Who can apply?	Any public and/or private procurer (including international organisations), as well as individuals/natural persons from EU member states or associated countries to Horizon Europe.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	29 July 2021
Maximum amount/ Call budget	Maximum amount: EUR 75 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eic-2021-innovationprocurementawardprize-1

Nr 220/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Call for Proposals for ERC Advanced Grant

Financing entity	European Commission
Managing entity	European Research Council
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-ERC HORIZON ERC Grants
Call	Call for Proposals for ERC Advanced Grant (ERC-2021-ADG)
Objectives of the call	ERC Advanced Grants are designed to support excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements. Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.
Who can apply?	The ERC actions are open to researchers of any nationality who intend to conduct their research activity in any EU Member State or Associated Country. Principal Investigators may be of any age and nationality and may reside in any country in the world at the time of the application. A Principal Investigator whose proposal was rejected on the grounds of a breach of research integrity in the calls under Work Programmes 2019 or 2020 may not submit a proposal to the calls under Work Programme 2021. The host institution (Applicant Legal Entity) must engage and host the Principal Investigator for at least the duration of the project and be established in an EU Member State or Associated Country.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	5 years
Deadline	31 August 2021
Maximum amount/ Call budget	Maximum amount: EUR 2 500 000 with additional EUR 1 000 000 at request for “start-up” costs.
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erc-2021-adg

Nr 221/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Partnerships for Innovation: Alliances

Financing entity	European Commission
Managing entity	European Education and Culture Executive Agency (EACEA)
Programme	Erasmus+ Programme (ERASMUS)
Type of action	ERASMUS-LS ERASMUS Lump Sum Grants
Call	Partnerships for Innovation: Alliances (ERASMUS-EDU-2021-PI-ALL-INNO)
Objectives of the call	Alliances for Innovation aim to strengthen Europe's innovation capacity by boosting innovation through cooperation and flow of knowledge among higher education, vocational education and training (both initial and continuous), and the broader socio-economic environment, including research. They also aim to boost the provision of new skills and address skills mismatches by designing and creating new curricula for higher education (HE) and vocational education and training (VET), supporting the development of a sense of initiative and entrepreneurial mind-sets in the EU.
Who can apply?	Higher education institutions, VET providers, Networks of VET providers, Small and medium-sized or large enterprises (including social enterprises), Research institutes, Non-governmental organisations, Public bodies at local, regional or national level, Organisations active in education, training and youth etc.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	4 years
Deadline	07 September 2021
Maximum amount/ Call budget	Maximum amount: EUR 4 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2021-pi-all-inno-blueprint

Nr 222/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

European Partnership on Innovative SMEs

Financing entity	European Commission
Managing entity	European Innovation Council
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-COFUND HORIZON Programme Cofund Actions
Call	Partnership on Innovative SMEs (HORIZON-EIE-2021-INNOVSMES-01)
Objectives of the call	Improving knowledge transfer in the innovative SMEs ecosystem, through increased and sustained collaboration between SMEs, public research partners and academia. Mitigation of difficulties in access to finance for innovative SMEs and thus contribute to enhanced growth and expansion of innovative SMEs. Improving innovative SME access to new international markets or value chains thus leading to improved market share and sales for innovative SMEs increasing their employment capacity. Increasing public research and innovation funding to innovative SMEs, to spur more high quality collaborations and more innovative solutions. Pulling together national efforts to spur internationalisation and collaboration in innovative SMEs, avoiding unnecessary duplication leading to a simplified offer to beneficiaries, achieving a more balanced geographic participation, ensuring complementarity and improved innovation ecosystems across Europe.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	01 September 2021
Maximum amount/ Call budget	Call budget: EUR 250 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eie-2021-innovsmes-01-01

Nr 223/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Framework Partnership Agreement (FPA) for Research and Education Networks

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-FPA HORIZON Framework Partnerships
Call	Network connectivity in Research and Education - Enabling collaboration without boundaries (2021) (HORIZON-INFRA-2021-NET-01-FPA)
Objectives of the call	Expected outcomes: very high-bandwidth, end-to-end connectivity among research and education users all over Europe, and cross-border collaboration services that are reliable and secure, enabling Europe to overcome the remaining Digital Divide and to be at the forefront of global Research and Education, attracting data and talent; secure access to computing facilities and data repositories for European and International research infrastructures (RIs) and paving the way for widespread access to common European Data Spaces; an integrated portfolio of services for connectivity, collaboration, security, trust and identity; collaboration with international partners, to foster global RI connectivity in line with Europe's international cooperation policy objectives.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	02 September 2021
Maximum amount/ Call budget	-
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-infra-2021-net-01-01-fpa

Nr 224/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Smart medical devices and their surgical implantation for use in resource-constrained settings

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	Tools and technologies for a healthy society (2021) (HORIZON-HLTH-2021-TOOL-06)
Objectives of the call	Expected outcomes: providing (by medical device developers) sustainable and affordable smart active implants validated in the operational environment; using by medical professionals sustainable and affordable surgical procedures for smart active implants; ensuring access to sustainable and affordable smart medical devices suitable for minimally invasive surgical implantation through further clinical studies.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 September 2021
Maximum amount/ Call budget	Call budget: EUR 25 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-hlth-2021-tool-06-01

Nr 225/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

EIC Transition Open 2021

Financing entity	European Commission
Managing entity	European Innovation Council
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-EIC HORIZON EIC Grants
Call	EIC Transition Open 2021 (HORIZON-EIC-2021-TRANSITIONOPEN-01)
Objectives of the call	The EIC Transition Open aims at funding innovation activities that go beyond the experimental proof of principle in laboratory. The EIC Transition Open is twofold, supporting both the maturation and validation of a novel technology, and the development of a business case and business model towards the innovation's future commercialisation.
Who can apply?	A single legal entity established in a EU Member State or an Associated Country or a small consortium of minimum two and maximum five independent legal entities
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	22 September 2021
Maximum amount/ Call budget	Call budget: EUR 59 600 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eic-2021-transitionopen-01

Nr 226/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Enabling research infrastructure services for better use of imaging data to address challenges in thematic research areas

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Research infrastructure services to support health research, accelerate the green and digital transformation, and advance frontier knowledge (2021) (HORIZON-INFRA-2021-SERV-01)
Objectives of the call	Expected outcomes: • improved acquisition, quality, interoperability and analysis of imaging data from different disciplines (e.g.: health & food, climate and environmental research, digital transformation); • wider use of image analysis services based on AI in different scientific areas.
Who can apply?	Any legal entity, regardless of its place of establishment, including legal entities from nonassociated third countries or international organisations
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 9 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-infra-2021-serv-01-06

Nr 227/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, **artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Safe- and sustainable-by-design metallic coatings and engineered surfaces (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2021 (HORIZON-CL4-2021-RESILIENCE-01)
Objectives of the call	Some of the call objectives: • at least 2 novel materials with improved (or at least comparable) efficiency as compared to traditional materials, associated with a reduction in metal usage of at least 15%; • materials modelling, assisted by advanced methods (e.g. machine learning, artificial intelligence methods), integrated with safe- and sustainable-by-design models; • integration of eco-design and circularity concepts in the design of new metal coatings and provide recommendations for the end-of-life of the new material; • an online or/and standalone decision support tool to guide industry for the implementation of safe- and sustainable-by-design approaches;
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 19 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-resilience-01-12

Nr 228/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR: command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

European Technological and Social Innovation Factory (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2021 (HORIZON-CL4-2021-RESILIENCE-01)
Objectives of the call	Projects are expected to contribute to the following outcomes: • strengthened resilience and sustainability – in its economic, social ecological aspects – of the European industries; • innovations that combine technological and social innovation and support industry in their transition and the achievement of EU's priorities; • inclusive entrepreneurship with a positive social impact; • a new generation of technologically savvy social entrepreneurs; • new business models capitalizing on a new partnerships between industry and society; • new markets.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 5 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-resilience-01-31

Nr 229/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Innovation Radar, Tech Due Diligence and Venture Building for strategic digital technologies (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2021 (HORIZON-CL4-2021-RESILIENCE-01)
Objectives of the call	Projects are expected to contribute to at least one of the following outcomes: • a scaling up of capabilities in matching EU-funded technology solutions developed by highly innovative sustainable and digital startups with access to finance and growth opportunities including, but not limited to, other European funding instruments (such as the Digital Europe Programme and EIC), innovation procurement, investors and corporate innovation ventures. • deliver, through tech due diligence and venture-building approaches, a step change in the number of new ventures created and ventures' ability to attract funding for sustainable and digital innovations developed in EU-funded R&I.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 4 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-resilience-01-27

Nr 230/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

'Innovate to transform' support for SME's sustainability transition (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2021 (HORIZON-CL4-2021-RESILIENCE-01)
Objectives of the call	Projects are expected to contribute to the following outcomes: • support objectives of the European Green Deal and of the EU SME Strategy for a sustainable and digital Europe; • increased resilience of SMEs, by fostering technological and social innovation in SMEs to support their transition to more sustainable business models and more resource-efficient and circular processes and infrastructures; • increased competitive sustainability of SMEs through the uptake of advanced technologies; • stronger innovation support ecosystems supporting the green, social and economic transition of SMEs, by leveraging synergies between existing EU networks and SME support initiatives.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 10 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-resilience-01-29

Nr 231/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Data-driven Distributed Industrial Environments (Made in Europe Partnership) (IA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	TWIN GREEN AND DIGITAL TRANSITION 2021 (HORIZON-CL4-2021-TWIN-TRANSITION-01)
Objectives of the call	Projects are expected to contribute to the following outcomes: • establishing European industry as leader in sustainable data-driven manufacturing and process industries and reinforcing European leadership in the deployment and operations of industrial network; • improving the agility of European manufacturing industry and increase its resiliency to external shocks; • demonstrate the use of open systems and qualified open source software tools for data monitoring & collection as well as data analytics; • foster industrial data and distributed computing standardisation; • facilitate the development of technologies requiring only minimal training of the industrial workforce.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 24 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-twin-transition-01-08

Nr 232/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

AI enhanced robotics systems for smart manufacturing (AI, Data and Robotics - Made in Europe Partnerships) (IA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	TWIN GREEN AND DIGITAL TRANSITION 2021 (HORIZON-CL4-2021-TWIN-TRANSITION-01)
Objectives of the call	Projects are expected to contribute to the following outcomes: • provide safe, highly flexible, reconfigurable and modular solutions, allowing fast response to repurposing changes in production requirements, reducing considerably programming effort and configuration time for new products; • demonstrate significant improvements towards a social collaboration in teams of human workers, autonomous agents and robots by exploiting the latest advancements in AI, robotics and Social Sciences and Humanities (SSH); • create a network of open-access pilots to allow new users, especially students, start-ups, representatives from the makers' community and SMEs, to experiment new technologies and to enable data and knowledge sharing through the European industrial ecosystems.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 28 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-twin-transition-01-01

Nr 233/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Supporting an EOSC-ready digitally skilled workforce

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Enabling an operational, open and FAIR EOSC ecosystem (2021) (HORIZON-INFRA-2021-EOSC-01)
Objectives of the call	Project results are expected to contribute to all the following expected outcomes: • availability of highly and appropriately skilled professionals enabling the practice of Open Science with adequate knowledge of standards, applications and tools and best practices for delivering, managing, re-using, sharing and analysing FAIR data, as well as other digital research objects; • researchers are able to transform the way they carry out research and exploit research outputs, leading to better quality and more productivity of research; • contribute to the Horizon Europe EOSC Partnership.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 7 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-infra-2021-eosc-01-01

Nr 234/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Artificial Intelligence for sustainable, agile manufacturing (AI, Data and Robotics - Made in Europe Partnerships) (IA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	TWIN GREEN AND DIGITAL TRANSITION 2021 (HORIZON-CL4-2021-TWIN-TRANSITION-01)
Objectives of the call	Projects are expected to contribute to the following outcomes: • establishing European industry as leader in sustainable manufacturing and process industries through the application of trustworthy AI technologies; • improving the environmental sustainability of industrial production; • improving the agility of European industry and its resiliency to external and internal influences; • integrating state-of-the-art AI technologies with advanced circular manufacturing and re-manufacturing technologies and systems, exploiting their potential across the entire product and service lifecycle.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 18 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-twin-transition-01-07

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Towards a Europe-wide training and networking scheme for research managers

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	European Research Area (HORIZON-WIDERA-2021-ERA-01)
Objectives of the call	Projects are expected to contribute to the following expected outcomes: • improved knowledge for policy making about the training and networking patterns of research support staff and research management; • measures to increase awareness amongst research management staff about existing training, networking and mobility opportunities at EU, national, and regional levels; • ultimately, increased capacity and compatibility of cooperation and funding systems throughout the ERA for research management, and support to scientists; • improved awareness of the EU policy drivers and the EU research peculiarity in the Higher Education Institutions and Research organisations. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 September 2021
Maximum amount/ Call budget	Call budget: EUR 3 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-widera-2021-era-01-20

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Teaming for Excellence

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Teaming for Excellence (HORIZON-WIDERA-2022-ACCESS-01-two-stage)
Objectives of the call	Project results are expected to contribute to all of the following expected outcomes: • increased scientific capabilities of the beneficiary institution and the host country enabling them to successfully apply for competitive funding in the EU and globally; • improved the R&I culture of the country hosting the co-ordinator (indicators such as research intensity, innovation performance, values towards R&I) through centers of excellence as lighthouses and role models; • stimulus for institutional and systemic reforms and R&I investments at national level taking into account the enabling conditions on governance of smart specialisation introduced under cohesion policy programmes as far as applicable. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	Up to 6 years
Deadline	05 October 2021, 08 September 2022
Maximum amount/ Call budget	Call budget: EUR 180 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-widera-2022-access-01-01-two-stage

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Twinning Western Balkans Special

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Twinning Western Balkans (HORIZON-WIDERA-2021-ACCESS-02)
Objectives of the call	Project results are expected to contribute to all of the following expected outcomes: • improving excellence capacity and resources in Western Balkan countries enabling to close the still apparent research and innovation gap within Europe; • enhancing strategic networking activities between the research institutions of the Western Balkan countries and at least two internationally-leading counterparts at EU level; • raising reputation, research profile and attractiveness of the coordinating institution from the Western Balkan country and the research profile of its staff. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment. The coordinator must be a legal entity established in: Republic of Albania, Montenegro, Bosnia and Herzegovina, Kosovo, Montenegro, Republic of North Macedonia or Republic of Serbia.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	Up to 3 years
Deadline	05 October 2021
Maximum amount/ Call budget	Call budget: EUR 21 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-widera-2021-access-02-01

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Integration of emerging new technologies into education and training

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Inclusiveness in times of change (HORIZON-CL2-2021-TRANSFORMATIONS-01)
Objectives of the call	Projects should contribute to all of the following expected outcomes: • increasing the shared critical understanding of the potential, opportunities, barriers, accessibility issues and risks of using emerging technologies for teaching and learning, as well considering the framework for the sustainable digitisation of education and learning in the future; • supporting education and training systems with research on the adaptation and mainstreaming of the use of digitally enhanced pedagogies, in order to augment and extend learning; • sharing evidence and good practice on equipping teachers, trainers, educational leaders and learners with the skills necessary for the use of technology in creative, critical, competent and inclusive ways; • analysing the needs for adequate teacher training in relation with new educational technologies.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	07 October 2021
Maximum amount/ Call budget	Call budget: EUR 9 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl2-2021-transformations-01-05

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

MSCA Postdoctoral Fellowships 2021

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-TMA-MSCA-PF-EF HORIZON TMA MSCA Postdoctoral Fellowships - European Fellowships, HORIZON-TMA-MSCA-PF-GF HORIZON TMA MSCA Postdoctoral Fellowships - Global Fellowships
Call	MSCA Postdoctoral Fellowships 2021 (HORIZON-MSCA-2021-PF-01)
Objectives of the call	For supported postdoctoral fellows: • increasing set of research and transferable skills and competences; • new mind-sets and approaches to R&I work forged through interdisciplinary, inter-sectoral and international experience. For participating organisations: • increasing alignment of working conditions for researchers in accordance with the principles set out in the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers; • enhancing quality and sustainability of research training and supervision. Note: The above lists are not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	12 October 2021
Maximum amount/ Call budget	European Fellowships budget: EUR 205 700 000, Global Fellowships budget: EUR 36 300 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-msca-2021-pf-01-01

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Cyber secure and resilient CCAM (CCAM Partnership)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Safe, Resilient Transport and Smart Mobility services for passengers and goods (HORIZON-CL5-2021-D6-01)
Objectives of the call	Project results are expected to contribute to all of the following expected outcomes: • safe and secure operation of CCAM vehicles and mobility systems and services; • cybersecurity requirements including data security and access control enabling harmonised approaches and tools for data sharing; • improved understanding of the new, emerging and specific CCAM related cyber security and resilience challenges, by using the contextual definition, including sector specific security features. • inclusion of cybersecurity and resilience as an integral part into the development process of CCAM solutions by OEMs, Tiers, telecom providers and service providers, with common aims and objectives, frameworks and designs; • cybersecure data sharing approaches from pilot applications towards CCAM on a harmonised larger scale.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	19 October 2021
Maximum amount/ Call budget	Call budget: EUR 12 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2021-d6-01-04

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Safe automation and human factors in aviation – intelligent integration and assistance

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Safe, Resilient Transport and Smart Mobility services for passengers and goods (HORIZON-CL5-2021-D6-01)
Objectives of the call	Project results are expected to contribute to all of the following expected outcomes: • Improving monitoring of human performance, system performance and external hazards, in order to pave the way to more automation in aviation while meeting Flightpath2050 safety goals. • Avoiding startle response or "automation surprise", enabling intelligent assistance to all operators on the air and on the ground in all safety-critical situations and allowing fall-back response in case of severe system perturbations - including pilot incapacitation, cyber-attacks and/or broader operational system-wide failures. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	19 October 2021
Maximum amount/ Call budget	Call budget: EUR 12 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2021-d6-01-13

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

AI for cybersecurity reinforcement

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Increased cybersecurity 2021 (HORIZON-CL3-2021-CS-01)
Objectives of the call	Projects are expected to contribute to some of the following expected outcomes: • reinforcing cybersecurity using AI technological components and tools in line with relevant EU policy, legal and ethical requirements; • increasing knowledge about how an attacker might use AI technology in order to attack IT systems; • digital processes, products and systems resilient against AI-powered cyberattacks.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 11 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-cs-01-03

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Dynamic business continuity and recovery methodologies based on models and prediction for multi-level Cybersecurity

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Increased cybersecurity 2021 (HORIZON-CL3-2021-CS-01)
Objectives of the call	Projects are expected to contribute to all of the following expected outcomes: • advanced self-healing disaster recovery and effective business continuity in critical sectors (e.g. energy, transportation, health); • enhanced mechanisms for exchange of information among relevant players; • better disaster preparedness against possible disruptions, attacks and cascading effects; • better business continuity covering two or more sectors.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 21 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-cs-01-01

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Improved security in open-source and open-specification hardware for connected devices

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Increased cybersecurity 2021 (HORIZON-CL3-2021-CS-01)
Objectives of the call	Projects are expected to contribute to some of the following expected outcomes: • reduced security threats of open source hardware for connected devices; • formal verification of open hardware; • effective management of cybersecurity patches for connected devices in restricted environments such as IoT devices; • effective security audits of open source hardware, embedded software and other security-relevant aspects of connected devices; • effective mechanisms for inventory management, detection of insecure components and decommissioning; • methods for secure authentication and secure communication for connected devices in restricted environments such as IoT devices.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 18 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-cs-01-02

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Scalable privacy-preserving technologies for cross-border federated computation in Europe involving personal data

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Increased cybersecurity 2021 (HORIZON-CL3-2021-CS-01)
Objectives of the call	Projects are expected to contribute to some of the following expected outcomes: • improved scalable and reliable privacy-preserving technologies for federated processing of personal data and their integration in real-world systems; • more user-friendly solutions for privacy-preserving processing of federated personal data registries by researchers; • improving privacy-preserving technologies for cyber threat intelligence and data sharing solution; • contribution to promotion of GDPR compliant European data spaces for digital services and research; • strengthened European ecosystem of open source developers and researchers of privacy-preserving solutions.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 17 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-cs-01-04

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Pushing the limit of robotics cognition (AI, Data and Robotics Partnership) (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Projects are expected to contribute to some of the following expected outcomes: • Enabling robots to have more profound impacts than they currently have, in powering them with a deeper kind of AI, endowing them with a better perception and understanding of the world. This would allow the next generation of autonomous robots to work without/with limited supervision, as well as the next generation of interactive robots, with greatly improved intuitive, safe and efficient cognitive, social and physical capabilities, to assist humans. • Enabling smooth and trustworthy human-robot collaboration through advanced reactivity and mutual understanding, and human-centric automated adaptation of robots in human-robot interactions. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 44 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-11

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

AI, Data and Robotics at work (AI, Data and Robotics Partnership) (IA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposal results are expected to contribute to at least one of the following expected outcomes: • a new human-centred paradigm to keep people away from unsafe and unhealthy jobs via collaborative embodied (physical) AI, engaging and empowering end-users and workers, regardless of their gender, age or background; • human-centric AI supporting professionals in trustworthy hybrid decision-making, and optimising their tasks.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 22 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-10

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Academia-Industry Forum on Emerging Enabling Technologies (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposal results are expected to contribute to the following expected outcomes: • European thought leadership in academia and industry on future enabling technologies and their transformational potential in industrial, societal and environmental terms; • increased engagement for structural collaboration and co-creation between academic, industry players and other stakeholders where roles of research, industry and society intertwine in an iterative and multidisciplinary approach for co-creating the enabling technologies of the future; • alignment with national or regional initiatives creating an expanding innovation ecosystem, anchored in local contexts across Europe, for selected emerging technologies; • accelerating the pick-up of novel advanced technology by industry and society.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 2 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-13

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

European Network of Excellence Centres in Robotics (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposal results are expected to contribute to all the following expected outcomes: • scientific and technology advances in the major robotics challenges hampering its deployment; • a strong and tightly networked European research community in robotics, making it a world-class powerhouse for robotics excellence.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 11 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-12

Nr 250/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Trust & data sovereignty on the Internet (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2021 (HORIZON-CL4-2021-HUMAN-01)
Objectives of the call	Proposal results are expected to contribute to the following expected outcomes: • increased trust, privacy and user control when exchanging and accessing personal data on the Internet; • a trusted electronic identity ecosystem, fostering a universal, interoperable, accessible, and user-centric digital identity as a passport to the digital society; • a European ecosystem of top internet innovators, with the capacity to set the course of the Internet evolution according to a human-centric approach; • new business and sustainability models based on decentralised technologies and open source.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 12 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-human-01-04

Nr 251/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Workforce skills for industry 5.0 (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2021 (HORIZON-CL4-2021-HUMAN-01)
Objectives of the call	Proposals are expected to contribute to the following outcomes: • a quantitative and qualitative assessment of the nature of job transformations in the context of the 4th industrial revolution, estimating and mapping the emerging occupations. Establishment of an "Industry 5.0 platform" for future skill requirements improving the critical understanding of the 'black box' of new jobs creation; • guidance and recommendations, including avenues for new learning and training systems, for policy-makers, businesses, individuals, to reduce the skills' gaps, to cope with possible unemployment effects, to foster industrial competitiveness while enhancing inclusiveness.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 5 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-human-01-26

Nr 252/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

2nd International Conference on Robotics, Computer Vision and Intelligent Systems (ROBOVIS 2021)

Description	The purpose of ROBOVIS 2021, the International Conference on Robotics, Computer Vision and Intelligent Systems, is to bring together researchers, engineers and practitioners that are interested to share their research and experience on the thematic areas of this conference. Robotics is a field that is closely connected to Computer Vision and Intelligent Systems. Research and development of robots require technologies originating from the other two areas; the research work in Computer Vision has often been driven by needs in Robotics; Intelligent Systems models and software have often been developed aiming at applications in the areas of physical agents, i.e. robots, or in areas related to scene understanding, video and image processing, and many other aspects of computer vision. There is a need for a venue where these three research communities, often isolated, meet and discuss innovation possibilities driven by the intersection of these highly synergetic fields.
Organizer	INSTICC
Topics	• ROBOTICS: Aerial Robotics, Bio-Robotics, Cognitive Robotics, Field Robots, Humanoid Robots, Intelligent Robots, Learning and Adaptive Systems, Localization and Mapping, Mobile Robots, Multi-agent Systems and Cooperative Robotics, Planning and Simulation, Robot Control, Robot Sensing Systems, Robot Vision, Search and Rescue Robots, Service Robots, Vehicular Robotics, Visual-Based Navigation • COMPUTER VISION: Face and Gesture Recognition, Gait Analysis, Image and Video Processing, Image Segmentation and Reconstruction, Motion and Tracking, Pattern Recognition, Robot Vision, Scene Analysis and Understanding • INTELLIGENT SYSTEMS: Deep Learning, Intelligent Control, Intelligent Sensors, Intelligent Vehicles, Internet of Things, Knowledge-Based Systems, Machine Learning, Multi-Agent Systems, Swarm Intelligence
Date	27-28.10.2021

Costs	

		Prices (EUR)					
		INSTICC Member /Sponsor			Regular		
		Early	Late	On-Site	Early	Late	On-Site
Speaker (student or non-student)	Conference, Workshops or Special Sessions	295€	355€	----	335€	390€	----
	Abstract or Doctoral Consortium	150€	175€	----	165€	190€	----
Non-Speaker	Regular	150€	175€	----	165€	190€	----
	Program Committee, Co-Author or Student	120€	145€	----	140€	165€	----
	1-day Pass	95€	120€	----	115€	135€	----

www	http://www.robovis.org/

Nr 253/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

2nd International Conference on Innovative Intelligent Industrial Production and Logistics (IN4PL 2021)

Description	This conference focuses on research and development involving innovative methods, software and hardware, whereby intelligent systems are applied to industrial production and logistics. This is currently related to the concept of industry 4.0 - an expression reflecting the trend towards automation and data exchange in manufacturing technologies and processes which include cyber-physical systems, the industrial internet of things, industrial robotics, cloud computing, cognitive computing and artificial intelligence. These technologies can be applied to industrial manufacturing and management as well as to supply-chain or logistic problems, involving for example transportation management or the optimization of operations.
Organizer	INSTICC
Topics	• INDUSTRY 4.0: AI-Enhanced Cyber-Physical Systems, Internet of Things and Services, Ergonomics and Innovation, Virtual Enterprises and Interoperability, Cloud-based Manufacturing Technologies, Smart Manufacturing Systems & Newtwork, Energy Efficiency and Green Manufacturing, Intelligent Design and Manufacturing, Knowledge Management in Industry, New Andances in Industrial Automation and Robotics, Nanotechnology • INTELLIGENT MANUFACTURING AND MANAGEMENT: Production Planning, Scheduling and Control, Safety, Security and Risk Management, Project Management, Living Manufacturing Systems, Systems Modeling and Simulation, Data Analytics, Business Process Modeling, CAD/CAM, Additive Manufacturing, Quality Control and Management, Manufacturing Plant Control • LOGISTICS AND OPERATIONS RESEARCH: Operations Optimization, Informatics Applications, Big Data and Logistics, Enterprise Resource Planning, Supply Chain and Logistics Engineering, Digital Business Ecosystems in Logistics, Semantic Interoperability in Logistics
Date	25-27.10.2021

<table>
<tr><td>Costs</td><td>
All Available Registration Options
<table>
<tr><th colspan="2" rowspan="3"></th><th colspan="6">Prices (EUR)</th></tr>
<tr><th colspan="3">INSTICC Member /Sponsor</th><th colspan="3">Regular</th></tr>
<tr><th>Early</th><th>Late</th><th>On-Site</th><th>Early</th><th>Late</th><th>On-Site</th></tr>
<tr><td rowspan="2">Speaker (student or non-student)</td><td>Conference, Workshops or Special Sessions</td><td>395€</td><td>475€</td><td>----</td><td>445€</td><td>520€</td><td>----</td></tr>
<tr><td>Abstract or Doctoral Consortium</td><td>150€</td><td>175€</td><td>----</td><td>165€</td><td>190€</td><td>----</td></tr>
<tr><td rowspan="3">Non-Speaker</td><td>Regular</td><td>150€</td><td>175€</td><td>----</td><td>165€</td><td>190€</td><td>----</td></tr>
<tr><td>Program Committee, Co-Author or Student</td><td>120€</td><td>145€</td><td>----</td><td>140€</td><td>165€</td><td>----</td></tr>
<tr><td>1-day Pass</td><td>95€</td><td>120€</td><td>----</td><td>115€</td><td>135€</td><td>----</td></tr>
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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

Global Summit and Expo on Aerospace and Mechanical Engineering (GSEAME2021)

Description	The GSEAME2021 will present the most recent advances in technology developments and business opportunities in Aerospace and Mechanical Engineering. Highly cited researchers from renowned universities across the globe and industry leaders will share their research and vision, while selected talks from industrial exhibitors will present commercial showcases in all current market fields of Aerospace and Mechanical Engineering. This conference offers an excellent forum for the state of art presentations by invited speakers, leading specialists in the field of Aerospace and Mechanical Engineering. Most recent developments, progress and achievements realized in the fields covered by the conference will be presented in plenary, keynote presentations and short oral contributions as well as in poster sessions.
Organizer	The Scientistt
Topics	AEROSPACE ENGINEERING: Astrodynamics, Astronautic, Aeroelasticity, Aeroacoustics, Avionics, Bioengineering, Fluid Mechanics and Dynamics, Noise Control, Aircraft Structures, Control Engineering, Statics and Dynamics, Vibration, Mathematics, Electrotechnology, Materials Science, Solid Mechanics, Risk and Reliability, Flight Testing, Radar Cross-Section, Space Propulsion & Power Concepts, Mechatronics and Robotics, Automotive Engineering, Biomedical Engineering, Computational Techniques, Energy Engineering and Management, Fuels and Combustion, Heat and Mass Transfer, Systems Engineering, Industrial Engineering, Logistics and Scheduling, Lunar, Machinery and Machine Design, Manufacturing Engineering and Production, Marine System Design, Medical Astrosociology, Nano Technology, Oil and Gas Exploration, Operations Management, Production Processes and Technology, Sensors, Textile and Leather Technology, Thermal Control, Tribology & Turbulence MECHANICAL ENGINEERING: Artificial Intelligence and Expert Systems, Aerospace Engineering, CAD/CAM, BioMechanics, Dynamic Mechanical Analysis, Optimization and Control, Energy Conservation, Renewable Energy Techniques, Flexible Manufacturing Technology & System, Fluid Dynamics, Bio-fuels, Fuel Cells, Laser Processing Technology, Logistics and Supply Chain Management, Material Engineering, Power Engineering, Operations Management, Powder Metallurgy / Casting / Sintering / Thermal Engineering / Welding, Industrial Engineering, Manufacturing Engineering, Quality & Reliability Engineering, Reverse Engineering, Structural Strength and Robustness, Systems Engineering, Quality Engineering, Transportation Systems
Date	18-20.10.2021

Costs	

Categories	Earlybird on/before June 25, 2021	Standard on/before June 28, 2021	On Spot on October 18, 2021
Speaker	$699	$899	$1099
Invited Speaker	$549	$749	$949
Poster	$399	$499	$599

www	https://www.thescientistt.com/aerospace-mechanical-engineering/

Nr 255/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

ESM®'2021 (The 35th annual European Simulation and Modelling Conference)

Description	The ESM®'2021 (The 35th annual European Simulation and Modelling Conference), formally known as the European Simulation Multiconference is the original international European conference concerned with state of the art technology in modelling and simulation. ESM®'2021 aims to provide an overview of academic research in the field of computer simulation. A number of major tracks of simulation research are presented next to specific workshops, which capture the art and science of present-day simulation research. ESM®'2021 covers simulation methodology, simulation applications, specialised workshops, the exhibition and the poster sessions for students.
Organizer	The European Technology Institute
Topics	Modelling Methodology, Modelling Simulation Tools, Object-Orientation and Re-use, Random Monte Carlo Simulations and Applications, Discrete and Continuous Simulation Modelling Techniques and Tools, Queueing Models, Simulation and AI, AI and Expert Systems, AI and Neural Networks, AI and Fuzzy Systems, Agent Based Simulation, Simulation and Optimization, IoT and Smart Industry" (Internet of Things & Industry 4.0), High Performance/Parallel and Large Scale Computing, Simulation in Education and Graphics/Data Visualization, Simulation in Environmental Ecology, Marine Biology, and Biology, Simulation in Biological Systems and Medicine, Analytical and Numerical Modelling Techniques, Web Based Simulation, Cloud Based Simulation, Physics modelling and Cosmological Simulation
Date	27-29.10.2021
Costs	On-site: • before September 27, 2021: € 515 (author), € 515 (members), € 570 (non-members) • after September 27, 2021: N/A (author), € 570 (members), € 610 (non-members) On-line: • before September 27, 2021: € 390 (author), € 225 (members), € 250 (non-members) • after September 27, 2021: N/A (author), € 235 (members), € 275 (non-members)
www	https://www.eurosis.org/conf/esm/2021/index.html

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR: command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	Cybersecurity

Title:

20th annual Industrial Simulation Conference

ISC'2022

Description	The aim of the 20th annual Industrial Simulation Conference (ISC'2022), the premier annual industrial simulation conference in Europe, is to give a complete overview of this year's industrial simulation related research and to provide an annual status report on present day industrial simulation research within the European Community and the rest of the world in line with European industrial research projects. With the integration of artificial intelligence, agents and other modelling techniques, simulation has become an effective and appropriate decision support tool in industry. The exchange of techniques and ideas among universities and industry, which support the integration of simulation in the everyday workplace, is the basic premise at the heart of ISC'2022 conference.
Organizer	The European Technology Institute
Topics	- Discrete Event Simulation Methodology, Languages and Tools - Artificial Intelligence, IOT AND VR Graphics Applied to Industry - Complex Systems Modelling - Simulation in Robotics - Simulation in Engineering - Simulation in Collaborative Engineering - Simulation in Manufacturing - Simulation in Logistics and Traffic - Datamining Business Processes, Geosimulation AND Big Data - Simulation in Economics and Business - Simulation in Economic and Risk Management - Simulation in Automotive Systems - Simulation in the Power industry - VR/AR Simulations in Education - Information Security, Privacy and Applications
Date	1-3.06.2022
Costs	
www	Currently only 2021 site: https://www.eurosis.org/conf/isc/2022/

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional project	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	**Journal**	Cybersecurity

Title:

Sensors

Description	Sensors is the leading international, peer-reviewed, open access journal on the science and technology of sensors. Sensors is published semimonthly online by MDPI. The Polish Society of Applied Electromagnetics (PTZE), Japan Society of Photogrammetry and Remote Sensing (JSPRS) and Spanish Society of Biomedical Engineering (SEIB) are affiliated with Sensors and their members receive a discount on the article processing charges. • Open Access — free for readers, with article processing charges (APC) paid by authors or their institutions. • High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, MEDLINE, PMC, Embase, Inspec, and many other databases. • Journal Rank: JCR - Q1 (Instruments & Instrumentation) / 2020 CiteScore - Q1 (Instrumentation) • Rapid Publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2020).
Publisher	MDPI
Topics/ Content	Generic Topics Board, Biosensors Section, Chemical Sensors Section, Physical Sensors Section, Intelligent Sensors Section, Sensor Networks Section, Remote Sensors Section, Optical Sensors Section, Electronic Sensors Section, Internet of Things Section, Biomedical Sensors Section, Communications Section, Fault Diagnosis & Sensors Section, Wearables Section, Sensing and Imaging Section, Sensors and Robotics Section, Vehicular Sensing Section, Radar Sensors Section, Navigation and Positioning Section
ISSN	ISSN: 1424-8220
Cost	
www	https://www.tandfonline.com/toc/tprs20/current

Nr 258/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

European coordination, awareness, standardisation & adoption of trustworthy European AI, Data and Robotics (AI, Data and Robotics Partnership) (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2021 (HORIZON-CL4-2021-HUMAN-01)
Objectives of the call	• Efficient AI, Data and Robotics Public-Private Partnership supporting the community and the implementation of the SRIDA • Reinforced links among initiatives in AI, Data and Robotics in H2020, Horizon Europe, Digital Europe Programme, and other programmes (Networks of excellence centres, DIHs, pilots, data platforms, and other projects) • Widespread educational and outreach programmes • Efficient support to the research community via the AI-on-demand-platform, a public community resource Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 13 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-human-01-02

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Piloting a new industry-academia knowledge exchange focussing on companies' needs (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2021 (HORIZON-CL4-2021-HUMAN-01)
Objectives of the call	Proposals are expected to contribute to the following outcomes: • Stronger industrial ecosystems in Europe through reinforced industry-academia collaboration. • Enhanced use of the European pool of talents and skills supporting European industry to deliver innovative solutions. • Upskilling university students for their entrepreneurial and transversal skills by offering early exposure to real business environment and problem solving. • Increased competitiveness of the European industry by facilitating access to knowledge and talents.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 2 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-human-01-20

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Fostering standardisation to boost European industry's competitiveness (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2021 (HORIZON-CL4-2021-HUMAN-01)
Objectives of the call	Proposals are expected to contribute to the following outcomes: • Reinforcing the links between research, innovation and standardisation ensuring that standardisation is an integral part of the European research and innovation landscape. • Facilitating the entry to market of innovative solutions, which could address major societal challenges such as climate change and digitalisation. • Promoting standardisation as an important enabler towards the enhancement of the competitive edge of the European industry. • Helping in the development of agile standards by identifying the major bottlenecks of the standard-setting process.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 1 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-human-01-18

Nr 261/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

Improved security in open-source and open-specification hardware for connected devices

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Increased cybersecurity 2021 (HORIZON-CL3-2021-CS-01)
Objectives of the call	Projects are expected to contribute to some of the following expected outcomes: • reduced security threats of open source hardware for connected devices; • formal verification of open hardware; • effective management of cybersecurity patches for connected devices in restricted environments such as IoT devices; • effective security audits of open source hardware, embedded software and other security-relevant aspects of connected devices; • effective mechanisms for inventory management, detection of insecure components and decommissioning; • methods for secure authentication and secure communication for connected devices in restricted environments such as IoT devices.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 21 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-cs-01-02

Nr 262/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Advanced spintronics: Unleashing spin in the next generation ICs (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposal results are expected to contribute to the following expected outcomes: • disruptive spin-based hardware components and devices, with significant progress towards the wafer-scale integration to provide industry compatible solutions for memory, sensing, imaging, communication and computation; • first spin-based digital devices (Spin-chips) that demonstrate specific advantages of the approach and exhibit significant decrease in energy consumption; • large-scale complete systems that include next generation spintronics devices with emphasis on compatibility, integration of different materials & technologies including CMOS and photonics.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 17 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-14

Nr 263/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Support and coordination of the Quantum Technologies Flagship Initiative (CSA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposal results are expected to contribute to the following expected outcomes: • support the efficient functioning of the Quantum Technologies Flagship and the efficient implementation of the broader EU quantum strategy, and promote the Flagship's activities to a wide public • Define a European core curriculum for quantum technologies to prepare postsecondary students for the challenges arising in quantum industry and academic research. • Facilitate access to services and training offered to interested postsecondary students, workforce and other potential users (from industry, academia or public sector) Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 6 400 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-32

Nr 264/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Ultra-low-power, secure processors for edge computing (RIA)

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Digital and emerging technologies for competitiveness and fit for the green deal (HORIZON-CL4-2021-DIGITAL-EMERGING-01)
Objectives of the call	Proposals are expected to contribute to the following outcomes: • developing European secure specialised microprocessor designs (including accelerators and controllers) that deliver high-performance computing at ultra-low power operation; • improving by at least two orders of magnitude the performance per watt for the targeted edge applications.
Who can apply?	Any legal entity, regardless of its place of establishment
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	21 October 2021
Maximum amount/ Call budget	Call budget: EUR 26 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2021-digital-emerging-01-01

Nr 265/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Awareness Inside

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-EIC HORIZON EIC Grants
Call	EIC Pathfinder Challenges 2021 (HORIZON-EIC-2021-PATHFINDERCHALLENGES-01)
Objectives of the call	Proposals are expected to address each of the following three expected outcomes. Firstly, new concepts of awareness that are applicable to systems other than human, including technological ones, with implications of how it can be recognised or measured. Secondly, demonstration and validation of the role and added-value of such awareness in an aware technology, class of artefacts or services for which the awareness features lead to a truly different quality in terms of, e.g., performance, flexibility, reliability or user-experience. Thirdly, defining an integrative approach for awareness engineering, its technological toolbox, the needs and implications and its limits, including ethical and regulatory requirements. The more detail description of expected outcomes is presented in the funding call.
Who can apply?	Consortia with at least 3 partners following the standard eligibility conditions, i.e. at least one legal entity must be from a Member State. The legal entities may for example be universities, research organisations, SMEs, start-ups, natural persons.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	27 October 2021
Maximum amount/ Call budget	Call budget: EUR 132 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eic-2021-pathfinderchallenges-01-01

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Scaling up deep tech ecosystems

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-RIA HORIZON Research and Innovation Actions
Call	Elevating the scalability potential of European business (2021) (HORIZON-EIE-2021-SCALEUP-01)
Objectives of the call	Proposals are expected to contribute to all of the following expected outcomes: • Enhanced development of deep tech ecosystems around pan-European research and technology infrastructures to generate, scale and deploy breakthrough technologies with market and social value; • Increased involvement of industry, including SMEs, with research and technology infrastructures to raise the technology level and competitiveness of companies and generate market opportunities, including through the generation of start-up or spin-off companies; • Improved valorisation of the socio-economic impact of past investments in pan-European research and technology infrastructures from the European Structural and Investment Funds.
Who can apply?	Any legal entity, regardless of its place of establishment.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	10 November 2021
Maximum amount/ Call budget	Call budget: EUR 5 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eie-2021-scaleup-01-02

Nr 267/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

ERC Synergy Grants

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-ERC-SYG HORIZON ERC Synergy Grants
Call	Call for Proposals for ERC Synergy Grant (ERC-2022-SYG)
Objectives of the call	The aim is to provide support for a small group of Principal Investigators to jointly address ambitious research problems that could not be addressed by the individual Principal Investigators and their teams working alone**.** Synergy projects should enable substantial advances at the frontiers of knowledge, stemming, for example, from the cross-fertilization of scientific fields, from new productive lines of enquiry, or new methods and techniques. Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal. They must also demonstrate that their group can successfully bring together the scientific elements necessary to address the scope and complexity of the research question.
Who can apply?	Principal Investigators may be of any age and nationality and may reside in any country in the world at the time of the application. A Synergy Grant Group must be composed of a minimum of 2 and a maximum of 4 innovative and active Principal Investigators and, as necessary, their teams.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	6 years
Deadline	10 November 2021
Maximum amount/ Call budget	Call budget: EUR 297 000 000, Maximum amount: EUR 10 000 000 + additional EUR 4 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erc-2022-syg

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Terrorism and other forms of serious crime countered using travel intelligence

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-IA HORIZON Innovation Actions
Call	Fighting Crime and Terrorism 2021 (HORIZON-CL3-2021-FCT-01)
Objectives of the call	Projects' results are expected to contribute to some or all of the following outcomes: • European security practitioners benefit from better, modern and validated tools and training curricula on the use of travel intelligence to prevent, detect and investigate terrorism and other forms of serious crime (e.g., child sexual exploitation, drugs, human trafficking); • Improved support in shaping and tuning of regulation on travel intelligence by security policy-makers; • Improved understanding of the capacity and usefulness of travel intelligence in tackling terrorism and other forms of serious crime, and of the key challenges related to it. Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 November 2021
Maximum amount/ Call budget	Call budget: EUR 16 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-fct-01-01

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	C4ISTAR : command, control, communications, computers, information/intelligence, surveillance
	Policy	Journal	**Cybersecurity**

Title:

National Contact Points (NCPs) in the field of security and cybersecurity

Financing entity	European Commission
Managing entity	-
Programme	Horizon Europe Framework Programme (HORIZON)
Type of action	HORIZON-CSA HORIZON Coordination and Support Actions
Call	Support to Security Research and Innovation 2021 (HORIZON-CL3-2021-SSRI-01)
Objectives of the call	Projects are expected to contribute to the following expected outcomes: • Collaboration with other Member States' organisations providing support to Horizon Europe applicants in the domain of Cluster "Civil Security for Society"; • A more reliable measurement of the impact of security research and innovation built, inter alia, on a quantitative and qualitative assessment of the participation in the different Programme calls and a better awareness of the innovation-uptake success stories stemming from the participation of national players in EU-funded security research projects; Note: The above list is not complete
Who can apply?	Any legal entity, regardless of its place of establishment. Applicants must be Horizon Europe national support structures responsible for Cluster 3 and officially nominated to the European Commission from an EU Member State or an Associated Country.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	23 November 2021
Maximum amount/ Call budget	Call budget: EUR 2 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2021-ssri-01-03

Nr 270/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

European protected waveform and accompanying technologies for resilient satellite communications against jamming

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Resilient space-based PNT and SATCOM (EDF-2021-SPACE-D)
Objectives of the call	The proposals should address the development of an EPW for satellite communications as well as the complementary ancillary technologies addressing security and resilience that can be used by different EU Member States individually or together in a joint operational context (EU, NATO, multi-nation missions). The EPW must be able to operate in the complex military operational environment described in the specific challenge and bring a solution to the corresponding challenges. The proposals must not be limited to the work towards the development of a waveform but must also include complementary ancillary technologies to provide an integrated multi-layered security and resilient approach to military satellite communications. Note: The above description is not complete
Who can apply?	Legal entities, described in the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 50 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-space-d-epw

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

European interoperability standard for collaborative air combat

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Avionics and advanced air combat (EDF-2021-AIR-D)
Objectives of the call	Objective: • To enable the variety of different assets, manned and unmanned, to operate during an air operation together jointly and synchronized (including interoperability with NATO, and potentially other coalition situations); • To share efficiently sensors and effectors resources of manned and unmanned assets; • To share data and information (e.g. situational awareness), leading to informational and ultimately decisional superiority. Note: The above list is not complete
Who can apply?	Legal entities, described in the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 41 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-air-d-cac

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Endo-atmospheric interceptor – concept phase

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Protection against high velocity aerial threats (EDF-2021-AIRDEF-D)
Objectives of the call	The proposals must address surface-to-air interceptor solutions including interceptor concepts studies, and associated early maturation activities, until an interceptor mission definition review (MDR) and a preliminary requirements review (PRR) approved by the cooperating Member States. The proposals must aim to provide two main results: • The selection of an interceptor solution to counter the post-2030 theatre air and ballistic threat; • The initial maturation of the most critical related technologies. Note: The above description is not complete
Who can apply?	Legal entities, described in the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 28 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-airdef-d-eatmi

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Enhanced pilot environment for air combat

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Avionics and advanced air combat (EDF-2021-AIR-D)
Objectives of the call	The definition of a novel design and interaction principles for managing automated/autonomous aircraft functions and cooperating with System-of-Systems team mates, including adaptive interfaces can be defined as man-machine teaming (MMT). Taking into account the new paradigm, the following subjects could be addressed: • New or disruptive HMI technologies including for instance displays, wearables, vocal dialog, augmented reality, stereoscopy; • Pilot state monitoring in relation to the mission and systems status; • Services for assisted decision- making support (based on advances techniques like Artificial Intelligence not excluding other approaches). Note: The above description is not complete
Who can apply?	Legal entities, described in the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 41 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-air-d-epe

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

High-altitude platform systems

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	ISR and advanced communications (EDF-2021-C4ISR-D)
Objectives of the call	The proposals must aim to validate HAPS solutions, developing at least two different flight demonstrators of different kinds to test properly the operational and technical challenges of the different HAPS platform types, and as such making a substantial contribution to European Defence and Security applications. The proposals must include in particular: • Definition of the Concept of Operations of HAPS solutions in their various missions, taking into account their specific operational capacities; • Demonstration of the various HAPS demonstrators to de-risk the key technologies and highlight the operational performances that can be expected from each demonstrator type; • Study of current and foreseen technology status and identification of road maps for each demonstrator involved.
Who can apply?	Legal entities, described in the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 70 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-c4isr-d-haps

Nr 275/2021

Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	Robotics, autonomous systems, artificial intelligence
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Improved efficiency of cyber trainings and exercises

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Improved capacity for cyber training and exercises (EDF-2021-CYBER-D)
Objectives of the call	The objective of this topic is to create a toolset that allows significantly increased efficiency in the cyber trainings and exercises process while also enhancing cyber ranges interoperability and cost efficiency, taking into account challenges described. To develop a technological demonstrator modules that can be easily configured and interfaced to existing systems used to conduct cyber trainings and exercises. Integration of the technologies must be demonstrated within TRL 4-8, but specific TRL may wary depending on the work package. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 20 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-cyber-d-iecte

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Frugal learning for rapid adaptation of AI systems

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Artificial intelligence (EDF-2021-DIGIT-R)
Objectives of the call	The aim is to tackle the problem of robustness and frugality in military AI software components to facilitate the development of new systems and their adaptation to the evolution of their environment, including from user supervision, for a reasonable cost, with minimal intervention from expert developers, and without regression. State-of-the-art research on transfer learning, zero- or few-shot learning, active learning, domain adaptation, hybrid AI and other relevant topics should be leveraged to propose new methods to improve AI-based methods, while preserving high performance. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 18 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-digit-r-fl

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Improving cyber defence and incident management with artificial intelligence

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Cyber threat intelligence and improved cyber operational capabilities (EDF-2021-CYBER-R)
Objectives of the call	Addressing the identified challenges will require inter- and multidisciplinary approaches, where teams conduct work of both a technical and a non-technical nature. Analysis of technical, tactical, operational, strategic and political considerations is required. On a technical level, proposals should provide proof-of-concept solutions for AI-based incident management and cyber defence, including detection, mitigation and response. Capable intrusion detection systems (IDS) could form a starting point for proposals. However, proposals must not seek to further the analysis capabilities of IDS alone, but in the context of an automated or semi-automated system for handling incidents. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 13 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-cyber-r-cdai

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Quantum technologies for defence

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Research for disruptive technologies for defence applications (EDF-2021-DIS-RDIS)
Objectives of the call	The ambition is to explore and demonstrate quantum technology solutions in mainly three applicative directions, namely: Positioning, navigation and timing, Quantum radio frequency sensing and Quantum optronics sensing. Developments concerning specific enabling technologies are intended to be included. Indeed, most of enabling technologies exist already in laboratories. They need now to reach the necessary maturity to meet military operation conditions. This may include: compact cryogenic systems for quantum technologies, fast electronic devices for quantum technologies, specific sources of light for quantum technologies, integration of photonic systems. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 60 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-dis-rdis-qsens

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	**Cybersecurity**

Title:

Military multi-domain operations cloud

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Cloud technologies (EDF-2021-DIGIT-D)
Objectives of the call	Proposals should address the development of a multi-domain cloud architecture for defence and an associated technological demonstrator, providing a common shared information space and federated services enabling multi-domain operations. The ambition is to combine data of existing and future systems through a federated network, shared cloud interfaces and implementation of the associated shared services. The ambition is also to make the data securely available for re-use in the promising field of AI. MDOC must enable and support flexible combined and joint military missions and provide the capability for an accelerated and improved battle rhythm for military operations in a collaborative multi-domain warfare, ensuring adequate level of data protection. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 40 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-digit-d-mdoc

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

BLOS collaborative close combat architecture

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Fleet upgrade and close combat (EDF-2021-GROUND-D)
Objectives of the call	Development of a BLOS collaborative close combat architecture based on BLOS native missile systems: • Explore and define system architecture; • Study and develop an enhanced BLOS concept according to defined system architecture; • Define, study and develop interfaces for supporting systems, hardware and applications serving to enhance BLOS-capability; • Enhanced performances and functional capability; • Increased robustness to aggressions (cyber, jamming); • Mission planning and decision-making supported by AI; • Develop concept for training and evaluation of BLOS capability involving. Note: The above list is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 41 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-ground-d-3ca

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Unmanned ground vehicle technologies

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Fleet upgrade and close combat (EDF-2021-GROUND-D)
Objectives of the call	Proposals should address the development of hardware or software modules designed to enable manned-unmanned operation modes and taking into account teaming and swarming, and to be integrated or embedded into a set of digitalised ground Armoured Vehicles and showing the following capabilities: • To be integrated in a manned digitised vehicle to make it temporary unmanned for specific parts of the mission; • To propose real-time "reflex actions" to increase force protection and impacts of actions; • To cooperate with the rest of the combined armed company while being able to enter, remain and exit the company network and to interact with unmanned ground vehicles (UGV) and unmanned aerial vehicles (UAV). Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 41 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-ground-d-ugvt

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Future modular ground vehicles and enabling technologies, including green technologies

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Fleet upgrade and close combat (EDF-2021-GROUND-D)
Objectives of the call	Proposals must address the development of next generation or upgrade of current armoured platforms, in particular addressing Armoured Personnel Carrier (APC) and Light Armoured Vehicle (LAV) or developing and integrating modern and upgraded systems, subsystems like hybrid drivetrains and energy storage systems or sensors and a flexible network infrastructure into existing platforms and/or payloads improving significantly their performance. The proposals will thus possibly address other existing or future vehicles of various types and sizes such as Main Battle Tanks (MBT), Infantry Fighting Vehicles (IFV), support vehicles or Combat Engineering Vehicles (CEV). Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 41 000 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-ground-d-fmgv

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Fiche developed in the frame of	TYPE:		AREA:
	Conference	Training	**Robotics, autonomous systems, artificial intelligence**
	European, national, regional **project Funding opportunities**	University course Postgraduate studies	**C4ISTAR : command, control, communications, computers, information/intelligence, surveillance**
	Policy	Journal	Cybersecurity

Title:

Detection, identification and monitoring (DIM) of CBRN threats

Financing entity	European Commission
Managing entity	-
Programme	European Defence Fund
Type of action	EDF-2021 European Defence Fund Action
Call	Capabilities for CBRN risk assessment, detection, early warning and surveillance (EDF-2021-MCBRN-R)
Objectives of the call	Proposals must cover the generation of knowledge, methods and technologies leading to improved capacities for sampling, detection, identification, characterisation, and monitoring of CBRN threats and data management. Proposals must cover one or several of the scopes described below.: • To improve the decision making process, the quality of the basic input, i.e. data from sensors, needs to be significantly enhanced; • Methodology for identification and characterization of agents in complex bio-samples including sampling procedures also needs to be further developed; • Incorporations of novel and/or disruptive technologies is also encouraged, for instance, development of detectors on unconventional platforms and usage of AI for agent classifications. Note: The above description is not complete
Who can apply?	Legal entities, described in section 3 of the call document.
How to apply?	Electronically via the Founding & Tenders Portal Electronic Submission System
Duration	-
Deadline	09 December 2021
Maximum amount/ Call budget	Call budget: EUR 18 500 000
www	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/edf-2021-mcbrn-r-cbrndim

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