


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: Deep-Learning for Multimodal Sensor Fusion (DEEPER SENSE)			
Description	The EU-funded DEEPER SENSE project will enhance the environmental sensing capability of tomorrow's robots using AI and deep learning to combine visual and non-visual information the way humans do. The first application focus will be on the complicated and unknown environment of underwater autonomous robots.		
Goal	The main objective of DeeperSense is to significantly improve the capabilities for environment perception of service robots to improve their performance and reliability, achieve new functionality, and open up new applications for robotics. DeeperSense adopts a novel approach of using Artificial Intelligence and data-driven Machine Learning / DeepLearning to combine the capabilities of non-visual and visual sensors with the objective to improve their joint capability of environment perception beyond the capabilities of the individual sensors.		
Lead Partner	Deutsches Forschungszentrum Fur Kunstliche Intelligenz GmbH, Germany		
Partners involved	Universitat De Girona (Spain), University Of Haifa (Israel), Kraken Robotik GmbH (Germany), Bundesministerium Des Innern (Germany), Israel Nature And National Parks Protection Authority (Israel), Tecno Ambiente SI (Spain)		
Duration	1 January 2021 – 31 December 2023		
Results	https://cordis.europa.eu/project/id/101016958/results		
Funding	EU-funded		
www	https://www.deepersense.eu/		

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