Seminar

Research challenges in Leonardo Labs: applied Deep Learning in the Industry

Wednesday, April 6th 2022 - 2 p.m. - Sala Eventi Tecnopolo

ABSTRACT:

The Leonardo-Labs are technology incubators intended to support Leonardo's long-term research and its development of cutting-edge technologies. The goal of Leonardo-Labs is not just to remain on the frontline of innovation, but to anticipate it, thereby improving the products and services offered to customers and boosting the Group's long-term growth prospects.

Inside the Leonardo-Labs there are 8 main research areas: Artificial Intelligence, Big Data, Digital Twin and Advanced Simulation, HPC/Cloud, Unmanned & Robotics, Quantum, Electrification, Materials.

One of the main aspects on which R&D in the industrial world is based, is the ability to create cutting-edge technologies that are aligned with corporate business. In this workshop we will talk about how industrial research is approached in Leonardo, talking about the challenges we are given every day and how we face them, with a specific focus on Artificial Intelligence area.

The seminar is organized as part of the "School in AI: Deep Learning, Vision and Language for Industry" iniative.

Alessandro Nicolosi is the Principal Investigator of A.I. Research Area of Leonardo Labs. After having received his master's degree in Control Engineering in 2011, he has worked in the world of industrial R&D mainly focused on Unmanned Aerial Vehicle technologies and Machine Learning. Since 2015 he has been working in the field of Computer Vision and Deep Learning applied to Video Analysis and Image Processing products.