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Presentation of the Ministry of Economic Development Project on Autonomous Multi-Robot System for Sustainable Agriculture Coordinated by Prof. Fabio Massimo Frattale Mascioli



Abstract: during the seminar, the process of ideation, development, and realization of an innovative automated agricultural system will be presented. This system consists of two multi-motor robotic vehicles that navigating along the cropland edges carry out their mission driving an operating machine on the cropland rows trough a cable-way based transport system. In the seminar, the stages of project development and simulation will be examined, focusing on the application of the ROS (Robot Operating System) environment, as well as the supervisor, the safety, communication, and electric propulsion systems.



Friday, July 14, 2023, 2:30 pm
Reading Room of DIET,
Faculty of Engineering, S.P.V.

Coordinated by Prof. F.M.F. Mascioli, they will speak together with Stefano Leonori, PhD Researcher at DIET:



- ❑ **Luigi Anniballi:** expert in computer and electronic systems. His primary development interests include energy conversion, smart energy systems, and electric vehicles. He has been responsible for the development of PoMos prototypes, charging systems, and powertrains. Since 2022, he has been the Technical Manager and CEO of POMOS TECH srl.



- ❑ **Massimo Dore:** graduated in Electronic Engineering, he has worked in the IT sector for 40 years at leading companies such as Finsiel, EDS, Informix, Telco, and IBM. In recent years, he worked in the development of autonomous robots for agriculture 4.0, collaborating with the Polytechnic University of Turin and the University of Padua.