



UNIVERSITÀ DI PAVIA
Department of Electrical,
Computer and Biomedical
Engineering

PHD SCHOOL IN MICROELECTRONICS



Industrial Topics in Microelectronics - Seminars

Introduction to Motor Drive and Advance Control

November 18th 2020, h 16.00

[Zoom LINK](#)

Department of Electrical, Computer and Biomedical Engineering

Abstract: *Environmental Sustainability and gas emission reduction have led to a strong acceleration in the automotive electrification toward full Battery Electrical Vehicle (BEV) and to highly efficient technology in energy management and energy conversion. High motor efficiency requires the use of advance techniques in motor controller and smart motor driver to support the transition to sustainable energy model and toward autonomous drive in complete safety systems. In this seminar we will introduce what is a motor driver for safety system and give an overview of the advance technique on control BLDC motor.*

Speaker: Andrea Foletto was born in 1972 in Biella (Italy). Graduated at the "Politecnico di Torino" in Microelectronic in 1998 he joined STMicroelectronics as designer for Smart Power IC. In 2004 he moved to Allegro Microsystem in France as application engineer focusing on IC architecture and algorithm for new products on speed, position and current sensors in Hall and GMR technologies. In 2015 he became Technical Centre Manager leading the Allegro technical centre in France. In April 2020 he moved into Motor business unit as Director System Engineer. He is author of more than 45 published patent.

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