Cycle of Seminars on Artificial Intelligence for Automotive

"The 'auto' in 'auto'nomous, it is related to the co-pilot question"
Marc Proesmans
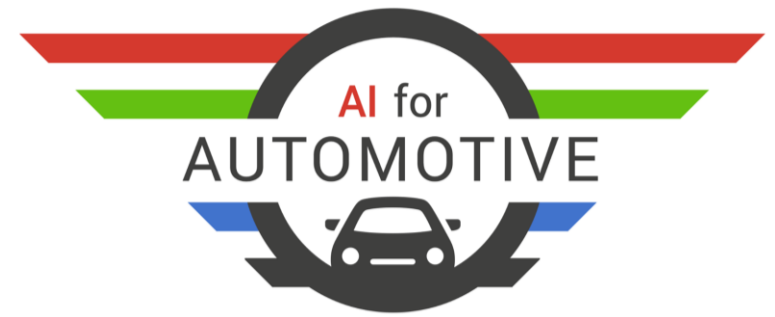
The courses of "Neural Network Computing, AI and Machine Learning for Automotive" and "Learning Algorithms for Smart Intelligent Systems" for Master Students of Computer Engineering, Electronics Engineering (UNIMORE) and Advanced Automotive Electronic Engineering (AAEE) of MUNER in a.a. 2020-2021 organize a cycle of seminars about the challenges of AI technologies in Automotive and Autonomous systems. For information please contact proff. Rita Cucchiara and Lorenzo Baraldi (rita.cucchiara@unimore.it lorenzo.baraldi@unimore.it)

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The 'auto' in 'auto'nomous, it is related to the co-pilot question (Marc Proesmans)
19th November 2020, 9:00 a.m.

Abstract

The race to develop a fully self-driving car has been going on for a while. The field of participants is diverse: from hip tech companies to major car manufacturers, some are more reckless than others. We give an insight in our research and development on autonomous cars, the technical challenges, the technologies we use, but with an eye on the needs from the industry, the end-users, the safety and comfort.

Marc Proesmans is a research associate within the Faculty of Engineering Science at KU Leuven, leading the TRACE team within the PSI Lab. He has an extensive research experience on various aspects in image processing sine the late 80's. e.g. Early vision processes, 3D reconstruction, optical flow, stereo, structure from motion, recognition. He has been involved in several European research projects, on recognition and visual reconstruction for robotics and cultural heritage applications. He has been CTO for the KU Leuven spin-off company Eyetronics from 2000-2011, providing award winning technology in special effects for the movie and game industry: Golden Egg, Tech-Art, a European IST, tech. Oscar nomination, European seal of Excellence. From 2015 he's leading the research on automotive driving as Research expert, and cofounder and board member of TRACE vzw to drive the technology transfer from academia to the real R&D environment for autonomous driving in cooperation with Toyota.

Thursday, 19th November 2020, 9:00 a.m.
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