

Einladung zum Vortrag

Robot Perception from people tracking to neurorobotics

von

Prof. Emanuele Menegatti
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- **TERMIN:** Mittwoch, 14. Juni 2017, 14:00 Uhr (s.t)
- **ORT:** EI 3A, Altes EI, 2. Stock, Gußhausstrasse 27-29, 1040 Wien
- **ABSTRACT**

Perception is fundamental for the performance of a robot,. Until few years ago, this was true especially for autonomous robots moving in unknown environments, but, nowadays, this capability is becoming prominent also for industrial robots used in manufacturing. Indeed, the new paradigm of Industry 4.0 requires industrial robots to be flexible, intelligent and cooperative. Therefore, perception is the cornerstone where these “skills” can be built. The presentation will address the current research on robot perception performed in the Intelligent Autonomous System Laboratory (IAS-Lab) of the University of Padua. It will also focus on the transfer of knowledge from basic robotics research to manufacturing.

■ BIOGRAPHICAL INFORMATION

Emanuele Menegatti is Full Professor of Computer Science at the University of Padua. His research interests are in the field of Robot Vision. In particular, he has been working on omnidirectional vision, distributed vision systems, 2D and 3D industrial robot vision, and RGB-D vision algorithms for mobile robots. Currently, Menegatti is teaching "3D Data Processing", "Computer Architecture" and “Educational Robotics for teachers”. Menegatti was Coordinator of the European project Thermobot and Local Investigator for the European Projects 3DComplete and FibreMap, Focus and eCraft2Learn. Menegatti was a founding partners of two start-ups of the University of Padua: IT+Robotics srl and EXiMotion srl. Menegatti published more than 45 journal papers, more than 180 conference papers, 4 books,6 book chapters, and two industrial patents.

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