自动化系

学术报告会

时间：2016年7月13日（周三）上午10:00

地点：电院楼群2-410会议室

Cloud Computing for Cognitive Robotics

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Abstract:

IAS-Lab has a wide experience in mobile robotics, real-time robot vision algorithms, humanoids development, robot simulators, programming languages and environments, rehabilitation robotics. It also gained wide competence in visual inspection systems and industrial applications, as it was involved in three European projects focused on the development of industrial systems. Recently we are focusing on an emergent technology: the application of Cloud Computing to Automation that seems to open new revolutionary perspectives for the development of an Intelligent Factory. In the Talk, some basic concepts like Semantic Web and 3D Object Representation for Cognitive Robotics will be illustrated, as well as the potentiality of intelligent autonomous systems for cell manufacturing, logistic and automated inspections.

Biography:

Prof. Enrico Pagello received the "Laurea" degree in Electronic Engineering from the University of Padua (Italy), in March 1972. From 1976 to 1983, he was a Research Associate at the Institute of Biomedical Engineering of the National Research Council of Italy, where he is now a part-time Senior Scientist. Since 1983 he has been with the Faculty of Engineering, University of Padua (Italy), where he is now a Professor of Computer Science and Robotics. In Sept. 1989, for one week, and in May 1992, he has been a Visiting professor at Jiao-Tong University Shanghai (China). His current research interests include the application of A.I. to Robotics with particular regard to the Multi-robot Systems domain, in which area he has co-edited four international books, and four Special Issues of International Journals. He has been a member of the Editorial Board of the IEEE/TRA, and he is currently a member of the Editorial Board of RAS Int. Journal. In 2009 he has been elected Fellow of the School of Engineering of the University of Tokyo. He was President of the International Society for Intelligent Autonomous Systems from 2004-2008.