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Thursday, October 16, 2014

09:15 - 10:00

Invited Speaker

Dr. Nicolae Joni, Robcon SRL

Sensors for Robotic Arc Welding Processes *xi*

Room: Big Hall of the UPT Senate [2, Victoriei Sq.]

10:00 - 10:45

Invited Speaker

Dr. Valentin Mureşan, Movidius SRL

Superior Vision: Always on Human-like Vision for Smarter Devices *xi*

Room: Big Hall of the UPT Senate [2, Victoriei Sq.]

11:00 - 12:15

Robot Control

Chair: *P. Payeur, University of Ottawa, Canada*

Room: Big Hall of the UPT Senate [2, Victoriei Sq.]

Method for Estimating Combined Controller, Joint and Link Stiffnesses of an Industrial Robot *1*

Ilya Tyapin (University of Agder, Norway)

Geir Hovland (University of Agder, Norway)

Torgny Brogårdh (ABB Robotics, Sweden)

Development and Control of a Bowden-Cable Actuated Exoskeleton for Upper-Limb Rehabilitation *7*

Qingcong Wu (Southeast University, China)

Xingsong Wang (Southeast University, China)

Fengpo Du (Southeast University, China)

Jigang Xu (Southeast University, China)

Fuzzy Sliding Mode Control of a Riderless Bicycle with a Gyroscopic Balancer *13*

Ming-Hung Hsieh (National Taiwan University, Taiwan)

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Cheng-Hung Chi (National Taiwan University, Taiwan)

Jui-Jen Chou (National Taiwan University, Taiwan)

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Path Planning & Robot Navigation

Chair: M. Roveri, Politecnico di Milano, Italy

Room: A109, Electro Building [2, Vasile Parvan Bv.]

A time-optimal isotropic Cartesian Trajectory Generator with limited Acceleration Magnitude 19

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Heinz Wörn (Karlsruhe Institute of Technology, Germany)

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Thomas Hirose (Noetix Research, Canada)

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Marek Zaremba (Université du Québec en Outaouais, Canada)

15:50 - 17:30

Intelligent Sensing

Chair: V. Cretu, Politehnica University of Timisoara, Romania

Room: A109, Electro Building [2, Vasile Parvan Bv.]

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Rafael Toledo (University of Ottawa, Canada)

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Robot Vision & Distributed Sensing

Chair: S. Zug, Otto-von-Guericke Universität Magdeburg, Germany

Room: A109, Electro Building [2, Vasile Parvan Bv.]

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Philippe Chrobocinski (CASSIDIAN SAS, France)

Juan Victores (Universidad Carlos III De Madrid, Spain)

Max Wietek (VSH Hagerbach Test Gallery Ltd, Switzerland)

Panagiotis Panetsos (EGNATIA Odos AE, Greece)

Alberto Roncaglia (Institute of Microelectronics and Microsystems, Italy)

Stephanos Camarinopoulos (RISA Sicherheitsanalysen GmbH, Greece)

Vassilis Kallidromitis (TECNIC Tecnica E Consulenze Nell' Ingegneria Civile, Italy)

Dimitris Bairaktaris (D. Mpairaktaris Kai Synergates-Grafeion Technikon, Greece)

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A. Antola (Politecnico di Milano, Italy)

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M. Roveri (Politecnico di Milano, Italy)

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Chair: M. Micea, Politehnica University of Timisoara, Romania

Room: A109, Electro Building [2, Vasile Parvan Bv.]

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José Saenz (Fraunhofer IFF, Germany)

Luis Pérez Castaño (Prodintec, Parque Científico Tecnológico de Gijón, Spain)

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<i>Thomas Form (Technische Universität Braunschweig, Germany)</i>	
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