2016 21st International Conference on Methods and Models in Automation and Robotics (MMAR 2016)

Miedzyzdroje, Poland
29 August – 1 September 2016

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Time: 15:10 - 16:10
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Gdansk University of Technology
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Marcin Pękala, Janusz Frączek, Paweł Tomulik
Warsaw University of Technology, Poland

ArchGenTool: a System-Independent Collaborative Tool for Robotic Architecture Design
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\textsuperscript{1}Information Technologies Institute / CERTH, Greece; \textsuperscript{2}Scuola Superiore Sant'Anna, Italy

Output Robust Control with Anti-Windup Compensation for Robotic Boat
Oleg Borisov, Vladislav Gromov, Anton Pyrkin, Alexey Bobtsov, Igor Petranevsky, Alexey Klyunin
ITMO University, Russia

Explicit and Implicit Force Control of an Industrial Manipulator - an Experimental Summary
Alexander Winkler\textsuperscript{1}, Jozef Suchý\textsuperscript{2}
\textsuperscript{1}Hochschule Mittweida, Germany; \textsuperscript{2}Matej Bel University / Technische Universität Chemnitz, Slovakia
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Zbigniew Marszalek, Ryszard Sroka
AGH University of Science and Technology, Poland

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Carleton University, Canada

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¹Bialystok University of Technology, Poland; ²Technical Research Centre of Finland, Finland
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1Bialystok University of Technology, Poland; 2Tallinn University of Technology, Estonia

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\textsuperscript{1}University of Southampton, United Kingdom; \textsuperscript{2}University of Zielona Góra, Poland

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Christian Hähnel, Andreas Cloppenburg, Joachim Horn
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Piotr Muzyka¹, Marek Frydrysiak¹, Elzbieta Roszkowska²

¹Wroclaw University of Technology, Poland; ²Wroclaw University of Science and Technology, Poland
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Maria Elena Valcher

Università degli Studi di Padova, Italy
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¹Izmir Katip Celebi University, Turkey; ²Yasar University, Turkey

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Lublin University of Technology, Poland

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¹Newcastle University, United Kingdom; ²Technical University of Denmark, Denmark

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¹ABM Greiffenberger Antriebstechnik GmbH, Germany; ²West Pomeranian University of Technology Szczecin, Poland

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¹Siemens, sp. z o.o., Poland; ²Warsaw University of Technology, Poland

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¹Bingöl University, Turkey; ²Firat University, Turkey

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3Universität Rostock, Germany
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University of Salford, United Kingdom

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Warsaw University of Technology, Poland

Design of a Controller for Stabilization of Spherical Robot's Sideway Oscillations
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AGH University of Science and Technology, Poland

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Dawid Seredyński², Maciej Stefańczyk², Konrad Banachowicz², Bartosz Świstak², Vitalii Kutia¹, Tomasz Winiarski²
¹National University of Water Management and Nature Resources Use, Ukraine;
²Warsaw University of Technology, Poland
Invited Session: Control and Optimization of Infinite Dimensional Systems II

Date: Tuesday, August 30, 2016
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Chair: Adam Kowalewski

On the Lyapunov Exponents of Infinite-Dimensional Discrete Time-Varying Linear System

Adam Czornik, Piotr Jurgaš
Silesian University of Technology, Poland

Controllability Problem of Neutral Equation with Nussbaum Fixed-Point Theorem

Jerzy Klamka
Silesian University of Technology, Poland

Approximate Controllability of Stochastic Nonlinear Infinite Dimensional Systems. a Short Survey

Jerzy Klamka, Janusz Wyrwał
Silesian University of Technology, Poland

Sensitivity of Optimal Controls for Time Delay Parabolic Systems

Adam Kowalewski¹, Zbigniew Emirsajłow⁴, Jan Sokolowski³, Anna Krakowiak²
¹AGH University of Science and Technology, Poland; ²Technical University of Cracow, Poland; ³Université Henri Poincaré, France; ⁴West Pomeranian University of Technology Szczecin, Poland
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Artur Babiarz

Silesian University of Technology, Poland
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