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A1L-A  Plenary: H. Aschemann
Date:   Monday, August 28, 2017
Time:   15:10 - 16:10
Room:   Room 1
Chair:  Tadeusz Kaczorek

Control-Oriented Modelling and Observer-Based Control of Distributed Parameter Systems
Harald Aschemann
Universität Rostock, Germany

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Domain Specific Language for Structural Modeling of Logically Controlled Discrete-Event Mechatronic Systems
Krzysztof Pietrusewicz\textsuperscript{2}, Michael Scopchanov\textsuperscript{1}
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Dynamic Positioning with Voith Schneider Propeller: Experimental System Validation with a Model-Scale Offshore Supply Vessel
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Direct Algorithm for Optimizing Robust MPC of Drinking Water Distribution Systems Hydraulics
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Practical Verification of Active Disturbance Rejection Controller for the Pneumatic Setup
Pawel Nowak, Jacek Czeczot
Silesian University of Technology, Poland

Open-Loop Control System of Liquid Level in Double Tank Cascade System
Krzysztof S. Kula
Gdynia Maritime University, Poland

Isopropanol Concentration Control in the Ultrasonic Nebulization Process
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Poznań University of Technology, Poland

Improving the Quality of the Classic Servo Drive by Modifying the Motion Control Algorithm
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West Pomeranian University of Technology, Szczecin, Poland

Cascade Control Algorithms of Position and Attitude for Multirotor UAV
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*Szczecin Maritime University, Poland*
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Politechnika Lubelska, Poland

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Military University of Technology, Poland

Two Level Algorithm with Tabu Search Optimization for Task Scheduling Problem in Computing Cluster Environment
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West Pomeranian University of Technology, Szczecin, Poland

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Extended LMI Characterization of Some Control Problems for Linear Repetitive Processes
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Stability of Positive Nonlinear Systems
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Warsaw University of Technology, Poland

Recursive Neural Network as Speed Controller for Two-Sided Electrical Drive with Complex Mechanical Structure
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Static and Dynamic Properties Investigation of New Generation of Transversal Artificial Muscle

Katarzyna Koter, Lukasz Fracczak, Anna Wojtczak, Barbara Bryl-Nagorska, Artur Mizejewski, Adam Sawicki
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Ground Plane Estimation from Sparse LiDAR Data for Loader Crane Sensor Fusion System

Karol Miedlicki, Miroslaw Pajor, Mateusz Saków
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