

21st Styrian Workshop on Automatic Control

September 9-11, 2019, Schloss Retzhof, Austria

CONFERENCE PROGRAM

Monday Sep 9, 2019

17:00 – 18:00	Registration
18:00	Dinner

Tuesday Sep 10, 2019

08:30 – 08:40	Opening
08:40 – 09:20	Jakob Rehr, Selma Celikovic, Martin Kirchengast, Stephan Sacher, Julia Krusiz, Johannes Khinast, Martin Horn <i>Implementation of Model-based Control Concepts in Continuous Pharmaceutical Engineering</i>
09:20 – 10:00	Daniel Ritzberger, Stefan Jakubek <i>Data-driven modelling of Polymer Electrolyte Membrane Fuel cells for Fault Detection</i>
10:00 – 10:30	Coffee Break
10:30 – 11:10	Klemens Kranawetter, Richard Seeber, Robert Bauer, Martin Horn <i>Adaptive Resonance-Suppression for Automotive Test Bed Systems</i>
11:10 – 11:50	Thomas Nigitz, Markus Gölles, Christian Aichernig, Hermann Hofbauer, Martin Horn Synchronization of the gas production and utilization rates of a solid-to-gas process and a downstream gas-to-X process
11:50 – 12:30	Stefan Richter <i>Systematic and Efficient Decision Making with Optimization</i>
12:45 – 14:30	Lunch
14:45 – 22:00	Social Program (bus leaves at 2:45 pm)

Wednesday Sep 11, 2019

08:30 – 09:10	Milad Gholami, Alessandro Pilloni, Alessandro Pisano, Elio Usai <i>Robust consensus-based Secondary Frequency and Voltage Restoration of Inverter-based Islanded Microgrids</i>
09:10 – 09:50	Daipeng Zhang, Johann Reger <i>Parameter Preference for the Super-Twisting Algorithm Induced by H_{inf}-Norm Analysis</i>
09:50 – 10:30	Nicole Gehring, Richard Kern <i>An infinite-dimensional Output Feedback Tracking Controller for a Pneumatic System with Distributed Parameters</i>
10:30 – 11:00	Coffee Break
11:00 – 11:40	Dietrich Fränken, Oliver Zeeb <i>Passive Radar for Air Surveillance</i>
11:40 – 12:20	Alberto Ismael Castillo Lopez <i>Barrier Sliding Mode Control for a Hydraulic Actuated Crane</i>
12:30 – 14:00	Lunch
14:00 – 14:40	Lars Watermann, Markus Reichhartinger, Johann Reger <i>Backstepping Induced Variable Gain Sliding Mode Control</i>
14:40 – 15:20	Juan G. Rueda-Escobedo <i>Fixed-time Parameter Estimation Under Lack of Persistency of Excitation</i>
15:50 – 16:30	Andrej Sarjaš, Dušan Gleich <i>Optimal Feedback Controllers' Design Based on Evolutionary Computation with Differential Evolution</i>