

Workshop Program

09:00 – 09:10	Opening
09:10 - 10:20	Morning Session I
9:10	Keynote speech <i>TBD</i>
10:00	Mengmeng Yu, Seung Ho Hong, Junhui Jiang: <i>Game Theoretical-based Demand Response Modeling Considering Industrial Customers</i>
10:20 - 10:40	Break
10:40 - 12:00	Morning Session II
10:40	Thomas Roth, Martin Burns: <i>A Gateway to Easily Integrate Simulation Platforms for Co-Simulation of Cyber-Physical Systems</i>
11:00	Simon Ruben Drauz, Christian Spalthoff, Matthias Würtenberg, Tanja M. Kneiske, Martin Braun: <i>A Modular Approach for Co-Simulations of Integrated Multi-Energy Systems</i>
11:20	Benedikt Pesendorfer, Edmund Widl, Wolfgang Gawlik, René Hofmann: <i>Co-simulation and control of power-to-heat units in coupled electrical and thermal distribution networks</i>
11:40	Miguel Aguilera, Luigi Vanfretti, Francisco Gómez: <i>Experiences in Power System Multi-Domain Modeling and Simulation with Modelica & FMI – The Case of Gas Power Turbines and Power Systems</i>
12:00 - 13:30	Lunch
13:30 - 15:10	Afternoon Session I
13:30	Tutorial & Live Demo Edmund Widl: <i>The FMI++ MATLAB Toolbox</i>
14:10	Ming Ni, Yusheng Xue, Heqin Tong: <i>A Cyber Physical Power System Co-Simulation Platform</i>
14:30	Johannes Kölsch, Christopher Heinz, Sebastian Schumb, Christoph Grimm: <i>Hardware-in-the-Loop Simulation for Internet of Things Scenarios</i>
14:50	Vignesh V. G. Krishnan, Shyam Gopal, Zhijie Nie, Anurag Srivastava: <i>Cyber-Power Testbed for Distributed Monitoring and Control</i>
15:10 - 15:40	Break

15:40 - 16:40

Afternoon Session II

15:40

Arjen van der Meer, Cornelius Steinbrink, Kai Heussen, Daniel Morales Bondy, Merkebu Degefa, Filip Prössl Andrén, Thomas Strasser, Lehnhoff Sebastian, Peter Palensky: *Design of Experiments aided Holistic Testing of Cyber-Physical Energy Systems*

16:00

Jorge Velasquez, Felipe Castro, Davood Babazadeh, Sebastian Lehnhoff, Steffen Garske, Lutz Hofmann, Thomas Kumm, Daniel Heuberger, Riccardo Treydel, Tim Lueken: *Co-simulation Set-up for Testing Controller Interactions in Distribution Networks*

16:20

Jorge Mola-Jimenez, Jose L. Rueda Torres, Arcadio Perilla, Da Wang, Peter Palensky, Mart van der Meijden: *PowerFactory-Python based assessment of frequency and transient stability in power systems dominated by power electronic interfaced generation*

16:40 - 17:00

Closing