



American Modelica Conference 2020

Online Conference

September 22nd – September 24th

Mountain Daylight Time



John Batteh, Session Chair

Mechanical Systems 1, 10:00-11:00, Q&A 10:45-11:00



- Director of Engineering Services
- Modelon, Inc.
- Ph.D. Mechanical Engineering, University of Michigan, 2000
- Over 20 years experience with Modelica and Model-based Systems Engineering across multiple engineering domains



A Modelica Library for Continuous and Discrete Extremum Seeking for Static and Dynamic Systems



- Joscha Müller,
Lawrence Berkeley
National Laboratory

- Joscha Müller, Lawrence Berkeley National Laboratory
- Maxime Baudette , Lawrence Berkeley National Laboratory
- Daniel Arnold , Lawrence Berkeley National Laboratory
- Michael Sankur , Lawrence Berkeley National Laboratory



Modeling and Simulation of Filippov System Models with Sliding Motions using Modelica



- Mohammed Ahsan Adib Murad, University College, Dublin, Ireland

- Mohammed Ahsan Adib Murad, University College, Dublin, Ireland
- Luigi Vanfretti, Rensselaer Polytechnic Institute
- Federico Milano, Rensselaer Polytechnic Institute



Modeling Contact and Collisions for Robotic Assembly Control



- Scott Bortoff, Mitsubishi Electric Research Laboratories
- Scott Bortoff, Mitsubishi Electric Research Laboratories



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