



# American Modelica Conference 2020

Online Conference  
September 22<sup>nd</sup> - September 24<sup>th</sup>  
Mountain Daylight Time



# Tetiana Bogodorova, Session Chair

Power Systems I, 10:00 AM - 11:00 AM,  
Session Q&A: 10:45 AM - 11:00 AM



- Dr. Tetiana Bogodorova is a research scientist at RPI. She is serving as "Deep Learning Applications for Grid Operations" project lead and a key contributor in development of deep learning algorithms and recommender system for power system analysis. She was previously an Associate Professor at the Ukrainian Catholic University, Lviv, Ukraine, with the primary duty of teaching machine learning, reinforcement learning and principles of data processing, robotics in the Computer Science Bachelor's and Master's program. Her Ph.D. degree is in Electrical Engineering from KTH Royal Institute of Technology, Stockholm, Sweden.



# Multi-market Optimization of a Data Center without Storage Systems



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# Micro-grid Design and Cost Optimization using Modelica



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## Performance Benchmark of Modelica Time-Domain Power System Automated Simulations using Python



Sergio Dorado-Rojas

- **Sergio A. Dorado-Rojas**
- **Manuel Navarro Catalán**
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