



American Modelica Conference 2020

Online Conference

September 22nd - September 24th

Mountain Daylight Time



Sergio A. Dorado-Rojas, Session Chair

Functional Mockup Interface (FMI), Wednesday September 23rd 2:00—2:45 pm, Q&A: 2:30—2:45 pm



- Ph.D. Student in Electrical Engineering with ALSETLab and Research Assistant at Rensselaer Polytechnic Institute. Intern at Rolls-Royce Deutschland Ltd & Co and IBM. Research interest include artificial intelligence, control, data science and power systems.





Parameter Estimation Methods for Fault Diagnosis using Modelica and FMI

- **Dr. Ahmad Alsaab**
System Modeling Engineer
ESI
M.Sc. & Ph.D. at the Newcastle University

Parameter Estimation Methods for Fault Diagnosis using Modelica and FMI
Ahmad Alsaab, Morgan Cameron, Colin Hough, Purna Musunuru



Nonlinear State Estimation with FMI: Tutorial and Applications



- **Dr. Christopher R. Laughman**
Mitsubishi Electric Research
Laboratories
Ph.D. at Massachusetts Institute
of Technology



- **Dr. Scott Bortoff**
Mitsubishi Electric Research
Laboratories
Ph.D. at University of Illinois -
Urbana-Champaign

*Nonlinear State Estimation with FMI:
Tutorial and Applications*
Christopher R. Laughman and Scott A.
Bortoff



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