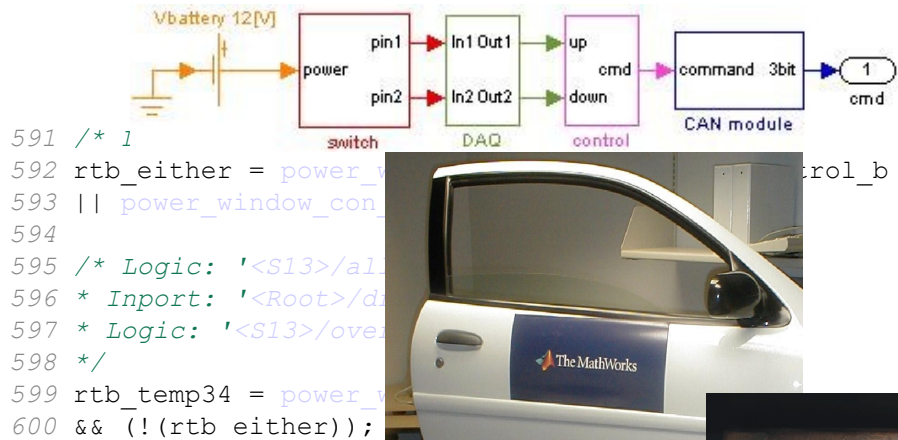
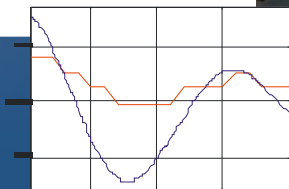


Pierre Moutardhomme



Pieter J. Mosterman
 pieter.mosterman@mathworks.com

Senior Research Scientist
 The MathWorks, Inc.



Education

- B.E. And M.Sc. From University of Twente
 - Electrical Engineering
 - Control Systems
 - “Structured Specifications for Control System Implementation”
- Ph.D. From Vanderbilt University
 - Electrical and Computer Engineering
 - Center for Intelligent Systems
 - “The Electronics Laboratory of the Future”
 - “Hybrid Dynamic Systems – An application in diagnosis”
 - Discontinuities in physical system models
 - Hybrid bond graphs

Professional

- Deutsches Zentrum fuer Luft- und Raumfahrt
 - DFG Project KONDISK
 - Oberpfaffenhofen (near Munich)
 - Institut fuer Robotik und Mechatronik
 - HyBrSim – A Hybrid Bond Graph Simulator
 - Modelica
 - Object-oriented modeling of physical systems
- The MathWorks
 - Core development
 - Simulink, Stateflow, SimEvents, SimMechanics, ...
 - Model-Based Design
 - Modeling, simulation, code generation
 - Control system design
 - Design Automation

Scientific

- Series Editor for Taylor & Francis
 - Computational modeling and simulation
- Editor-in-Chief of SCS Transactions: SIMULATION
- Associate Editor
 - IEEE Transactions on Control System Technology
 - Applied Intelligence
- Guest Editor for special issues on CAMPaM
 - ACM Transaction on Modeling and Computer Simulation
 - IEEE Transactions on Control System Technology
 - SCS Transactions: SIMULATION
- Program Chair
 - “Model-Based Design for Embedded Systems” track at DATE

Contributions To This Workshop ...

- Subject areas
 - Heterogeneous behavior generation
 - Models of computation
 - Real-time simulation
 - Code generation
 - Semantic anchoring
- Applications
 - Control systems
 - Signal processing systems
 - Physical systems
 - Communication
 - Fault detection, isolation, and reconfiguration
- Industrial perspective

Hopes ...

- Learn about other's expertise
- Solidify our framework
 - Schedule activity for upcoming year
- Apply methodology to application
 - Design automation
 - Parafunctional properties and effect on functional properties