Daniel Williams, Ph.D.

Associate Professor at Milwaukee School of Engineering
Milwaukee, WI, US

Dr. Daniel Williams research interests are in dynamic systems modeling, control system design and fluid power.

Biography

Dr. Daniel Williams is an associate professor in the Mechanical Engineering Department at MSOE. He teaches Automatic Control Systems, Mechanical System Simulation, Engineering Dynamics, Dynamics of Systems, Electromechanical Systems, and advises Senior Design. Prior to joining MSOE in 2013, he taught at Loras College, University of Iowa, and the University of Wisconsin-Madison. He has industry experience working at multiple organizations, including serving as a staff engineer at John Deere Construction and Forestry Division, an engineering simulation and training contractor for DKDT Inc., and a senior design engineer for Snap-on Tools Corporation.

Areas of Expertise

Fluid Power, Dynamic Systems Modeling, Simulations, Mechanical Engineering, Simulink, Control System Design

Event and Speaking Appearances

Intermediate Hydraulic Systems
John Deere Construction & Forestry Division and John Deere Cylinder Division.

Deere & Company Linking Engineering Technical Specialties Conference
Multiple annual presentations on dynamic systems simulation

Modeling for Advanced Decision Making in Product Development
2000 EASY5 User?s Conference Guest Speaker

Analytical Evaluation of Off-Road Machine Concepts Using EASY5®
Eurotex European Union - Texas Joint Workshop On Advanced Design Technologies

Education, Licensure and Certification

Ph.D.
Mechanical Engineering University of Wisconsin-Madison

M.S.
Mechanical Engineering University of Wisconsin-Madison

B.S.
Mechanical Engineering University of Wisconsin Platteville

Accomplishments

Deere & Company Innovation Award
India Backhoe Fuel Economy

Deere & Company Inception Contest Finalist
Towing Power Amplifier
