JMD Webinar: Announcement of the Seventh Thematic Session

Integrated Design and Operation of Engineering Systems with Predictive Modeling

ASME *Journal of Mechanical Design*

Register for FREE Webinar

The JMD Webinar is a series of webinars organized quarterly by the Editorial Board of the **ASME *Journal of Mechanical Design*** (JMD) serving the engineering design research community. Our intention is to share the latest research published in the journal, and by doing so, to keep our community connected.

This JMD webinar will include two sessions: (1) a **90-minute Zoom webinar session** in which four selected papers will be featured with presentations and Q&As, and (2) an optional **30-minute gather.town session** for further discussion/networking among speakers and seminar attendees.

For more information and to register, please visit the **JMD Webinar site**
For any questions, please email **jmdwebinar@gmail.com**

JMD Webinar Seventh Thematic Session
Theme: Integrated Design and Operation of Engineering Systems with Predictive Modeling
Date and Time: October 25, 2022, 11:00AM – 1:00PM EDT (US Eastern Daylight Time)

Four Featured Talks:
Zhen Hu (University of Michigan, USA)
Yixuan Liu, Chen Jiang, Xiaoge Zhang, Zissimos P. Mourelatos, Dakota Barthlow, David Gorsich, Amandeep Singh, Zhen Hu, **Reliability-Based Multivehicle Path Planning Under Uncertainty Using a Bio-Inspired Approach**, ASME. *J. Mech. Des*. September 2022, 144(9): 091701

Zhimin Xi (Rutgers University, USA)
Lichuan Ren, Zhimin Xi, **Bias-Learning-Based Model Predictive Controller Design for Reliable Path Tracking of Autonomous Vehicles Under Model and Environmental Uncertainty**, ASME. *J. Mech. Des*. September 2022, 144(9): 091706

Paromita Nath (Rowan University, USA)
Paromita Nath, Sankaran Mahadevan, **Probabilistic Digital Twin for Additive Manufacturing Process Design and Control**, ASME. *J. Mech. Des*. September 2022, 144(9): 091704

Daniel A. McAdams (Texas A&M University, USA)
Maulik C. Kotecha, David Staack, Daniel A. McAdams, **Functional Modeling-Based Digital Twin Architecture Representation: An Instructional Example of a COVID-19 Breathalyzer Kiosk**, ASME. *J. Mech. Des*. September 2022, 144(9): 091401

Webinar Organizing Team
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