



Journal of Mechanical Design

JMD WEBINAR

JMD Webinar: Announcement of the Fifth Thematic Session Design Engineering in the Age of Industry 4.0

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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 Fifth Thematic Session

Theme: Design Engineering in the Age of Industry 4.0

Date and Time: May 10, 2022, 8:00AM PDT (US Pacific Daylight Time), 10:00AM CDT (US Central Daylight Time), 11:00AM EDT (US Eastern Daylight Time), 4:00PM BST (British Summer Time), 8:30PM IST (India Standard Time), 11:00PM CST (China Standard Time)

Four Featured Talks:

Speaker: Jitesh H. Panchal (Purdue University)

Coordinator: Janet K. Allen (University of Oklahoma)

Roger Jiao, Sesh Commuri, Jitesh Panchal, Jelena Milisavljevic-Syed, Janet K. Allen, Farrokh Mistree, and Dirk Schaefer, [Design Engineering in the Age of Industry 4.0](#), *ASME. J. Mech. Des.* July 2021, 143(7): 070801

Speaker and Coordinator: Xueguan Song (Dalian University of Technology)

Xiaonan Lai, Shuo Wang, Zhenggang Guo, Chao Zhang, Wei Sun, and Xueguan Song, [Designing a Shape-Performance Integrated Digital Twin Based on Multiple Models and Dynamic Data: A Boom Crane Example](#), *ASME. J. Mech. Des.* July 2021, 143(7): 071703

Speaker: Qiliang Chen (Northeastern University)

Coordinator: Babak Heydari (Northeastern University)

Qiliang Chen, Babak Heydari, Mohsen Moghaddam, [Leveraging Task Modularity in Reinforcement Learning for Adaptable Industry 4.0 Automation](#), *ASME. J. Mech. Des.* July 2021, 143(7): 071701

Speaker: Jelena Milisavljevic-Syed (University of Liverpool)

Coordinator: Guoxin Wang (Beijing Institute of Technology)

Ru Wang, Jelena Milisavljevic-Syed, Lin Guo, Yu Huang, and Guoxin Wang, [Knowledge-Based Design Guidance System for Cloud-Based Decision Support in the Design of Complex Engineered Systems](#), *ASME. J. Mech. Des.* July 2021, 143(7): 072001

Webinar Organizing Team

Faez Ahmed, Massachusetts Institute of Technology

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Roger Jiao, Georgia Institute of Technology

Jelena Milisavljevic-Syed, University of Liverpool

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Jitesh Panchal, Purdue University

Dirk Schaefer, University of Lincoln