



Journal of Mechanical Design

JMD WEBINAR

JMD Webinar: Announcement of the Sixth Thematic Session

Artificial Intelligence in Engineering Design

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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 Sixth Thematic Session

Theme: Artificial Intelligence in Engineering Design

Date and Time: August 1, 2022, 12:00PM – 2:00PM EDT (US Eastern Daylight Time)

Four Featured Talks:

Sayan Ghosh (General Electric Research, USA)

Sayan Ghosh, Govinda Anantha Padmanabha, Cheng Peng, Valeria Andreoli, Steven Atkinson, Piyush Pandita, Thomas Vandeputte, Nicholas Zabarbas, and Liping Wang, [Inverse Aerodynamic Design of Gas Turbine Blades Using Probabilistic Machine Learning](#), *ASME. J. Mech. Des.* February 2022, 144(2): 021706

Christopher McComb (Carnegie Mellon University, USA)

Ayush Raina, Jonathan Cagan, and Christopher McComb, [Design Strategy Network: A Deep Hierarchical Framework to Represent Generative Design Strategies in Complex Action Spaces](#), *ASME. J. Mech. Des.* February 2022, 144(2): 021404

Kshitij Mall (Purdue University, USA)

Adam Dachowicz, Kshitij Mall, Prajwal Balasubramani, Apoorv Maheshwari, Ali K. Raz, Jitesh H. Panchal, and Daniel A. DeLaurentis, [Mission Engineering and Design Using Real-Time Strategy Games: An Explainable AI Approach](#), *ASME. J. Mech. Des.* February 2022, 144(2): 021710

Caitlin Mueller (Massachusetts Institute of Technology, USA)

Eamon Whalen and Caitlin Mueller, [Toward Reusable Surrogate Models: Graph-Based Transfer Learning on Trusses](#), *ASME. J. Mech. Des.* February 2022, 144(2): 021704

Webinar Organizing Team

Mark Fuge, The University of Maryland, USA

Daniel Selva, Texas A&M University, USA

Faez Ahmed, Massachusetts Institute of Technology, USA