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(POWER2023)**

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THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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WELCOME TO ASME POWER APPLIED R&D 2023 (POWER2023)

FROM THE CONFERENCE CHAIRS & THE EXECUTIVE ADVISORY COMMITTEE

Dear Colleagues,

The ASME Power Conference is an annual event brought to you by the Power Division, one of ASME's largest and oldest technical divisions. For 2023, the Conference Organizing Committee has put together a program packed with peer-reviewed technical presentations, expert panels on today's hot topics in the power industry, networking opportunities, roundtable discussions, as well as professional communication and leadership skills workshops. This year, the Division decided to modify the structure of the technical program by introducing five major topics and hybrid industry- and academic-driven sub-topics to lead attendees into the exploration of technologies applicable to reliable, efficient, and economically viable electricity generation.

In support of providing a broader power industry status to our audience, there will be keynote and plenary talks from industry and national lab representatives. The Monday keynote by Siemens Advanta North America CEO will highlight the role of digital twins in the power industry, and the Tuesday plenary by the National Energy Technology Laboratory Acting Senior Fellow will discuss current and future areas of interest and funding opportunities at the US Department of Energy. There will be four panels/forums with representatives from academia, industry, and national labs with topics on a journey to sustainability, digital twins and cyber-physical systems for energy system design and performance monitoring, energy storage, and computer modeling and simulation in nuclear engineering. We are excited about three new additions to our conference workshops. The technical workshop on ASME B31.1 will provide you with an introduction to piping system requirements. The "storytelling and emotional intelligence" workshops will provide you with interactive sessions taught by leaders of the field to take your communication skills to the next level and learn about critical skills of emotional intelligence in leadership.

A diverse set of professional networking opportunities at the opening reception, networking breaks between technical sessions, roundtables, and technical committee meetings can serve not just for exchanging ideas but also as an avenue to establish long-term relationships with mutual benefits. The roundtable discussion sessions with topics on energy storage, diversity in power, and early career development will serve as focused discussions for our valued attendees. If you are interested in learning more about the ASME Power Division or getting engaged, please do not hesitate to talk to any of the Division ExCom or conference organizing committee members. The Power Division always welcomes new members and new minds.

This conference would never have happened without an incredible effort from ASME staff and wonderful volunteers. On behalf of the ASME 2023 Power Applied R&D Organizing Committee, we wish to acknowledge the dedicated service of the Power Division ExCom members. Special thanks to the keynote and plenary speakers and panelists who volunteered their time and contributed to the technical and professional discussions at the conference. The ASME Power Conference would not be one of the oldest ASME conferences without the dedicated time and effort given by the authors, reviewers, session chairs, track chairs, technical committee chairs, and staff. Thank you so much for your continued presence and support.

We are excited about this conference and look forward to meeting you all face-to-face at the conference.

Navid Goudarzi, Ph.D.
Conference Chair, ASME Power Applied R&D
Assistant Professor, Cleveland State University

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