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Special Issue on Sustainable Power Technologies

This Special Issue is devoted to the selected papers of the ASME Power 2022 Conference held in Pittsburgh, PA on July 18-19, 2022. For more than 100 years, the Power conference has been a venue for researchers from all over the world to share their innovative ideas, research progress, and real-application demonstrations. The conference included 15 tracks on broad topics of conventional and recent energy resources and technologies such as combustion, boilers and heat recovery, cyber-physical systems and digital twins, risk management and cyber-security, plant construction and supply management, renewable energy systems, robotics and drones, nuclear forum, water nexus and energy, steam turbines, and generators. To highlight innovative research outcomes and enhance public visibility, the Organizing Committee invites high-quality papers from among 100+ proceeding publications to be included in this Special Issue. The Editorial Board includes the Power 2022 Technical Conference Chair and other experts from the conference. The Organizing Committee together with the Executive Committee (EXCOM) members of the Power Division would greatly appreciate your interest in this Special Issue. The team would also like to express deep gratitude for the guidance and support of the Editors-in-Chief of the journal, Dr. Hameed Metghalchi and Dr. Tatiana Morosuk.

Topic Areas

- Advanced tools for cyber physical systems and digital twins
- Combustion turbines and combined cycle
- Hydrogen, battery, and thermal energy storage
- Renewable energy
- Plant performance and operation
- Computational fluid dynamics (CFD) modeling
- Nuclear reactors

Publication Target Dates

Paper submission deadline	March 31, 2023
Initial review completed	May 31, 2023
Special Issue publication date	August 2023

Submission Instructions

Papers should be submitted electronically to the journal at journaltool.asme.org. If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. In either case, at the **Paper Submittal** page, select the [ASME Journal of Energy Resources Technology](#) and then select the Special Issue **Sustainable Power Technologies**.

Papers received after the deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue.

Guest Editors

Navid Goudarzi, Assistant Professor, Cleveland State University, USA, n.goudarzi@csuohio.edu

Tina Toburen, President, T2E3, Inc., USA, tinat@t2e3.com

Andre Teixeira, Sales Operations Engineering Manager, EDP Group, Portugal, andref.teixeira@outlook.com

Sarvenaz Sobhansarbandi, Assistant Professor, University of Missouri - Kansas City, USA, sarvenaz@umkc.edu