



Preface of the 7th Mechanical Engineering, Science and Technology International Conference (MEST 2023)⁺

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The 7th Mechanical Engineering, Science, and Technology (MEST) Conference was held at the Muhammadiyah University of Surakarta, Siti Walidah Main Building, seventh floor, 21–22 December 2023, in the Mechanical Engineering department. The conference coincided with The International Summit on Science, Technology, and Humanity (ISETH 2023).

MEST is a yearly event organized by Universitas Muhammadiyah Surakarta's Mechanical Engineering Department. Researchers from universities and other organizations are welcome to contribute their work. The meeting provides a forum for academic discourse and provides short talks on research articles covering experimental, numerical, and theoretical studies that shed light on important topics such as internal flow in mechanical, thermal, and fluid systems; aerothermodynamics; heat and mass transfer; multiphase flow; turbulence modeling; combustion; engineering thermodynamics; thermophysical properties of materials; and measurement and visualization methods. The contributions range from cutting edge instructional resources, technology diffusion, and best practices to important and influential research with direct industry applications.

This year's conference's technical program invited Prof. Dr. Eng. Deni Shidqi Khaerudini, a notable keynote speaker from Indonesia's National Research and Innovation Agency (BRIN). The keynote speech addresses fuel cell technology, hydrogen vehicles, and water splitting.

We would like to extend our heartfelt gratitude to the organization's staff, program committee members, and reviewers. We especially appreciate Professors Sarjito, Supriyono, and Marwan Effendy, as well as Prof. Waluyo Adi Siswanto from Universiti Muhammadiyah Malaysia, Universiti Tun Hus-sein Onn Malaysia, and many others on the coorganizing committee. We express our sincere appreciation to Assoc. Prof. Agus Ulinuha, Ph.D., for his role as the Head of the International Publication Office. Their invaluable contributions were instrumental in the success of this event.

Conflicts of Interest: The authors declare no conflicts of interest.

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