Journal of Physics:
Conference Series

PAPER • **OPEN ACCESS**

Preface

To cite this article: 2023 *J. Phys.: Conf. Ser.* **2442** 011001

View the article online for updates and enhancements.

You may also like

- IAEA/WHO International Conference on Low Doses of Ionizing Radiation: Biological Effects and Regulatory Control, Seville, Spain, 17-21 November 1997 (IAEA-CN-67)
Richard Wakeford and E Janet Tawn
- Preface
- Preface

Enabling Electrochemistry
Inside and Outside the Lab

PalmSens

Discover our diverse range of Potentiostats engineered to support your research wherever it takes you

- Intuitive software for Windows and Android
- Proven in over 4000 scientific publications
- Single-channel and multi-channel
- Benchtop, portable and wearable

Discover More



This content was downloaded from IP address 216.73.216.56 on 19/11/2026 at 09:11

Preface

The 2022 International Conference on Energy and Power Engineering (EPE 2022) was successfully held in Sanya, China on October 21st-23rd, 2022 (virtual conference). EPE 2022 provided an international platform for experts, scholars, and engineers to share professional experience and exchange new ideas, and to explore the key challenges and research directions facing the development of these fields, as well as promoted the development and integration of related disciplines.

We had the honor of having invited Prof. Mohan Kolhe from University of Agder, Norway to serve as our Conference Chair. The conference was composed of keynote speeches, oral presentations, and online Q&A discussion, bringing together over 150 delegates from all over the world. Firstly, keynote speakers were each allocated 30-45 minutes to hold their speeches. Then in the next part, oral presentations, the excellent papers we had selected were presented by their authors one by one.

During the conference, two distinguished professors were invited to address their keynote speeches. For a start, Prof. Kamil ARSLAN from Karabük University, Turkey made a report on the title Magnetohydrodynamics (MHD). Fluid flow under the magnetic field effect is stated as Magnetohydrodynamic (MHD) phenomenon which is the field that examines the dynamic behavior of electrically conductive fluids. He showed us the background, the researches and then his study on Magnetohydrodynamics (MHD). And then, Prof. Santhanam Harikrishnan from Kings Engineering College, India delivered a speech on Thermal Characteristics of Nanomaterials Embedded Phase Change Materials (NePCMs). He introduced that phase change materials (PCMs) employed in LTES for larger-scale applications are limited due to their low thermal conductivities and then nanomaterials are suspended to accelerate the energy storage/release rate capabilities, which leads to the improvement of the thermal properties of the pure PCMs. Their brilliant keynote speeches had sparked heated discussion in the conference. And every participant praised this conference for disseminating useful and insightful knowledge.

The proceedings of EPE 2022 are a compilation of the accepted papers and represent an interesting outcome of the conference. These papers feature but are not limited to the following topics: Energy Engineering, Thermal Power and Control, Fluid Machinery and Fluid Power, Water Conservancy and Hydropower Power Projects, etc. All the papers have been checked through rigorous review and processes to meet the requirements of publication.

We would like to express our sincere gratitude to all the keynote speakers, peer reviewers, and all the participants who supported and contributed to EPE 2022. Particularly, our special thanks go to the Journal of Physics: Conference Series, for the efforts of all its colleague in publishing this paper volume. We firmly believe that EPE 2022 had turned out to be a forum for excellent discussions that enable new ideas to come about, promoting collaborative research.

The Committee of EPE 2022

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Committee member

Conference General Chair
Prof. Mohan Kolhe, University of Agder, Norway

Publication Chair
Prof. Qian Xu, Jiangsu University, China

Technical Program Committee Chair
Prof. Ben Cheikh Hamida, University Amar Telidji Laghouat, Algeria

Technical Program Committee Members
Prof. Aziz-Ur-Rahim Bacha, Fudan University, China
A. Prof. Abu Zahrim Yaser, Universiti Malaysia Sabah, Malaysia
A. Prof. Abdul-Sattar Nizami, Government College University, Pakistan
A. Prof. Famiza Abdul Latif, Universiti Teknologi MARA, Malaysia
A. Prof. Ong Soon-An, University Malaysia Perlis, Malaysia
A. Prof. Mohammad Russel, Dalian University of Technology, China
A. Prof. Sin Jin Chung, Universiti Tunku Abdul Rahman, Malaysia
A. Prof. Lam Sze Mun, Universiti Tunku Abdul Rahman, Malaysia
Dr. Morteza Hosseini, Eindhoven University of Technology, Finland
Dr. Navid Bayati, Aalborg University, Denmark
Dr. Nawishta Jabeen, Nanjing University of Science and Technology, China

Organizing Committee Members
Prof. Ahmad Zuhairi Abdullah, Universiti Sains Malaysia, Malaysia
Prof. I.Neethi Manickam, FRANCIS XAVIER ENGINEERING COLLEGE, India
Prof. Hakan ÇALIŞKAN, USAK UNIVERSITY, Turkey
Prof. G. Rajarajan, Padmavani Educational Institutions for Women, India
Prof. Rubin Gulaboski, Goce Delcev University, Macedonia
A. Prof. Kishore Kumar Pedapenki, Jain Deemed to be University, India
A. Prof. Mohammad Russel, Dalian University of Technology, China
A. Prof. Famiza Abdul Latif, Universiti Teknologi MARA, Malaysia
A. Prof. Lam Sze Mun, Universiti Tunku Abdul Rahman, Malaysia
A. Prof. Lim Chin Seong, University of Nottingham Malaysia, Malaysia
A. Prof. Muhamad Bin Mansor, University of Malaya, Malaysia
A. Prof. Jiyun Zhao, City University of Hong Kong, China
A. Prof. Sivakumar Palanisamy, Sri Shanmugha College of Engineering and Technology, India
Dr. Mohammad Reza Salehizadeh, Islamic Azad University Marvdasht Branch, Iran