

# The 1<sup>st</sup> International Conference on Smart Energy Systems and Artificial Intelligence (SESAI 2024)



The SESAI 2024 International Conference aims at providing an exploratory and interactive discussion forum for scientists, researchers, technologists and students while strengthening scientific collaborations towards the latest advances and insights in theory, models and applications for interdisciplinary research. This conference will cover disciplines of Smart Systems, Engineering Physics, Mathematics, modelling and analytical forecasting related to the field of Energy as well as areas of innovative renewable energy technologies. The conference also aims at promoting the development of Artificial Intelligence (AI) techniques and technologies for advancing energy integration, including the state of the art applications of AI to address the critical challenges in energy and power systems, energy materials, energy utilization and conversion, energy and society, sustainability as well as other relevant related issues. Research themes for SESAI 2024 include, but are not limited to:



**SESAI 2024**

- Multi Energy Systems
- Renewable Power Generation
- Energy Storages Including Battery Storage Systems
- IOT and ICT for Smart Grid
- Power and Energy forecasting;
- Energy Efficiency and Sustainability
- Electric Vehicles
- Fuel Cells Technology and Applications
- Salt and waste water electrolysis
- Energy and Climate changes
- Smart Grid Systems
- Insulation Technology
- Microgrid Energy Management
- Integration of RE
- Vehicle to Grid Technology
- Solar PV and Thermal
- Cogeneration/CHP/Trigeneration
- Solar, Water and Wind Energy
- Smart Building
- Smart city
- Data science for energy applications
- Intelligent energy storage techniques
- Digital twin or big data analytics of complex energy processes/systems
- Hybrid data-driven and physical modelling for energy related problems
- Real time embedded system for Intelligent control of energy systems

Paper Policy	Key Dates	Organising Committee
Full length original research contributions are invited from engineering students, research scholars, academic institutions, R&D organizations and industries across the world. Submissions, not exceeding six pages and formatted as per IEEE template should be submitted in electronic pdf format through the EasyChair conference management system. All accepted papers must be presented by at least one of the authors to be published in the electronic proceedings of the conference in the IEEE Xplore Digital Library.	<p>Deadline for regular paper submission:</p> <p><b>15 March 2024</b></p> <p>Notification of acceptance / rejection:</p> <p><b>28 March 2024</b></p> <p>Final manuscript submission deadline:</p> <p><b>11 April 2024</b></p> <p>Early bird registration deadline:</p> <p><b>30 April 2024</b></p> <p>Final registration deadline:</p> <p><b>12 May 2024</b></p> <p>Conference:</p> <p><b>03-06 June 2024</b></p>	<p><b>General Chair</b>            Assoc Prof. (Dr) A. Khoodaruth            University of Mauritius</p> <p><b>General Co-Chair</b> Prof Harry Ramenah            Université de Lorraine, France</p> <p><b>Secretary:</b> Assoc Prof. (Dr) V Oree</p> <p><b>Paper Submissions Committee</b>            Chair: Dr A P Murdan</p> <p><b>Review Committee</b>            Co-Chairs: Prof M.K.Elahee, Prof Ah King,            Dr M Gooroochurn</p> <p><b>Proceedings &amp; Publications Committee</b>            Chair: Dr Y Beehary</p> <p><b>Registration and Finance Committee</b>            Chair: Assoc Prof (Dr) V Bassoo</p> <p><b>Website and Database Management Committee</b>            Chair: Dr A P Murdan</p> <p><b>Logistics Committee</b>            Chair: Assoc Prof. (Dr) V Oree</p> <p><b>Conference Website</b>  <a href="https://www.sesai2024.com/">https://www.sesai2024.com/</a></p>