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People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific

Research

Abdelhamid Ibn Badis University -  
Mostaganem

Faculty of Science and Technology  
Under the supervision of The Rector  
Professor BOUDERAH IBRAHIM  
Department of Mechanical Engineering



UNIVERSITE  
Abdelhamid Ibn Badis  
MOSTAGANEM



FST  
فakلة العلوم و التكنولوجيا  
جامعة عبد الحميد بن باديس مستغانم

Organize

1<sup>st</sup> International Conference on Industrial  
Systems and Energy (ICISE 2025)



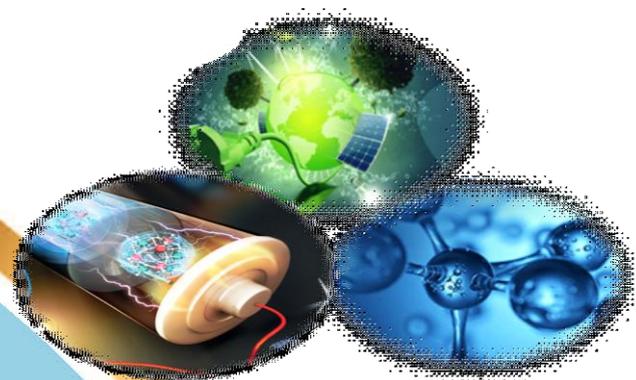
October 21-23, 2025, Mostaganem, Algeria

The conference includes keynote presentations, oral presentations, poster sessions, symposia and international workshops. We invite participants to share their experiences with a global audience of experts in “Energy and Materials Sciences”.

**Notice:** We encourage young researchers to participate in the conference as auditors, presenters (of an abstract or poster) or authors (of a full paper). The publication of the presented work is voluntary.

#### Advantages:

- ICISE'2025 is a global platform for researchers, academics, students and professionals.
- Accepted abstracts will be published in the conference proceedings book with ISBN.
- Participants will be provided with accredited certificates (in hard and soft copies)



### THE TOPICS COVERED ARE

#### Theme 1: Energy Transition & Renewable Energies

This theme aims to discuss new technologies and strategies for energy transition, with a focus on green hydrogen and decarbonization. It encourages the sharing of best practices and success stories concerning the integration of renewable energies into existing energy systems. It explores environmental policies and behaviours that promote the adoption of renewable energies worldwide.

#### Theme 2: Artificial Intelligence in the Industrial Sector

The aim of this theme is to examine the impact of artificial intelligence (AI) on optimizing industrial processes and improving operational efficiency. It also aims to present case studies of successful AI applications in various industrial sectors, including predictive maintenance, automation and supply chain management, and to create a forum for researchers and industrialists to discuss the ethical and technical challenges involved in implementing AI.

#### Theme 3: Materials Engineering

The aim of this theme is to highlight the latest advances in innovative materials, particularly those that contribute to sustainability and energy efficiency, to encourage interdisciplinary collaboration between materials engineering, chemistry and physics researchers to develop new functional materials, and to discuss the impact of new manufacturing methods, such as 3D printing, on materials development and application.

#### Theme 4: Fluid Dynamics and Nanofluids

The aim of this theme is to examine recent advances in fluid dynamics and nanofluid modelling through presentations and discussions of current research, and to analyse biological flows and fluid-structure interactions, identify practical applications in the biomedical and environmental fields, and to stimulate collaborations to solve complex problems linked to multiphase, turbulent and non-Newtonian flows in diverse environments.

#### Theme 5: Modelling and Simulation

This theme aims to identify the most effective modelling and simulation techniques in the field of energy and materials, and their impact on research and industry, to promote comparative studies of simulation results to validate theoretical and practical models, and to encourage debate on the integration of numerical simulations with experimental methods for a better understanding of the studied phenomena.

#### Registration Fees

- Local participants 15000 DA
- Students 8000 DA
- Industrials 20000 DA
- Foreign participants 150 Euros

#### Registration fees include:

Meals, coffee breaks, as well as program, proceedings and conference bags

### ARTICLE SUBMISSION

Please send your abstract to the following link:

<https://forms.gle/NLdbF94rMsmvxuhB7>

This event is organized by the Department of Mechanical Engineering of the Abdelhamid Ibn Badis University of Mostaganem and co-organized by:

1. **Numerical and Experimental Modelling of Mechanical Phenomena Laboratory. Univ. of Mostaganem - Algeria**
2. **The Elaboration and Characterization of Physico-Mechanical and Metallurgical Materials Laboratory. Univ. of Mostaganem- Algeria**
3. **Renewable Energies and Sustainable Development Laboratory. Univ. of Constantine- Algeria**

Journals supporting this event with a special issue:

1. CFD SIMULATION Thermo-Fluids and Nanofluids in Engineering and Biomedicine; De-Gruyter
2. Modelling of Fluid Dynamics and Nano-fluids, CRC Press Taylor & Francis Group 2<sup>nd</sup> edition 2025
3. Frontiers in Heat and Mass Transfer (IF :Special Issue: Advances in Computational Thermo-Fluids and Nano-fluids
4. Fluid Dynamics & Materials Processing (IF :0.8) Special Issue: Advances in Computational Nano-Fluids
5. Sustainability (IF:3.3 MDPI) Special Issue: Sustainability and Innovation in Phase Change Materials for Efficient Thermal Energy Storage
6. Special Issue: Sustainable Consumption and Production: Pathways to Resource Efficiency and Circular Economy



**Abstract submission deadline**  
**May 30<sup>th</sup>, 2025**

**Notification of acceptance**  
**June 15<sup>th</sup>, 2025**

**Papers submission Deadline**  
**September 01<sup>st</sup>, 2025**

**Conference date**  
**October 21<sup>st</sup> -23<sup>rd</sup>, 2025**

**For more information, please consult the following link:**

<https://icise.univ-mosta.dz/>

**or contact us by email :**  
**icise2025@univ-mosta.dz**