

MOSTEFA BENBOULAI
BATNA 2 UNIVERSITY
FACULTY OF TECHNOLOGY



CALL FOR PAPERS

THE MECHANICAL ENGINEERING DEPARTMENT



Département de

GENIE MECANIQUE

ORGANIZES

THE FIRST NATIONAL CONFERENCE ON MECHANICAL ENGINEERING



10th May 2023

Honorary Conference Chairman :
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Honorary Conference co-Chair man:
Dr. Nouredine SAIDANI, Faculty of Technology Dean

Conference Chairman : Dr. Abdellah BOURIH
Organization Manager: Dr. Rafik MAKHLOUFI

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Organizing Committee Chairman

Mohamed MASMOUDI, Batna 2 University

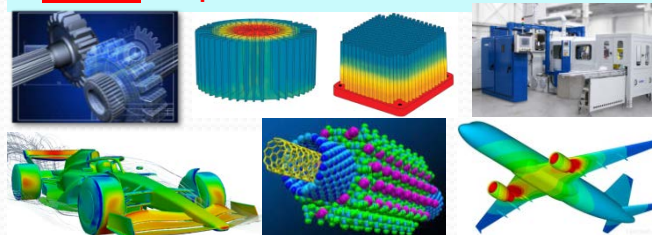
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CONTACT

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Web site : <http://conference.univ-batna2.dz/ncme23>



CONFERENCE LOCATION

Research center (ex Mouhafada)

OBJECTIVES

In order to revive scientific events and restore its scientific image, the Mechanical Engineering Department, Faculty of Technology, Mostefa Benboulaïd Batna 2 University organizes the First National Conference on Mechanical Engineering NCME'23 in May 2023. This multidisciplinary event should serve as a platform to bring together all actors in the field of Mechanical Engineering to tighten communication within the university community and bring the socio-economic sector closer to academic skills and strengthen applied scientific researches. In this upcoming era of "Start-ups", this event is intended, in particular, to be a multi-sectoral meeting between different actors, researchers and university students, professionals and industrial entrepreneurs. The university-industry interface must be highlighted in order to permit the presentation of new ideas and concepts which might be undertaken in the industry. The ultimate goal is to create jobs and wealth.

TOPICS

Mechanical construction

- Simulation and modeling of structures
- Mechanical design
- Applied mechanics
- CAD/CAM
- Robotics
- Automotive engineering
- Dynamics and vibrations

Thermo-fluid

- Heat and mass transfer.
- Two-phase flow and phase change.
- Heat transfer enhancement techniques.
- Heat exchangers.
- Computational fluid dynamics CFD.
- Aerodynamics and aeronautics.
- Renewable energies
- Hydraulic and thermal turbine engines.
- Energy efficiency
- Biobased and sustainable energy
- Biomechanics

Elaboration, characterization, and materials properties

- Composite materials, polymers and biomaterials.
- Cellular materials.
- Nanomaterials.
- Metallurgical processes.
- Innovative materials.
- Material recycling and environmental assessment
- Micro and macro characterization of materials

Mechanical manufacturing

- CNC machining optimization.
- Manufacturing by additive and hybrid processes
- Mode-ling and simulation of manufacturing
- Forming processes for advanced materials.
- Machining of complex shapes.
- Design, modeling, and testing machines.
- Machining dynamics.

IMPORTANT DATES

Deadline submission: March 10, 2023

Acceptance notification : April 10, 2023

Registration: April 25, 2022

Conference: May 10, 2023

CONFERENCE FEES

Academics: 4000 DA

Doctoral students : 2000 DA

Industrials: 5000 DA

