



Ecole Militaire Polytechnique

Chahid Abderrahmane Taleb

14th CONFERENCE ON MECHANICAL ENGINEERING

CME2024 - Bordj El Bahri, Algiers, 7-8 May 2024



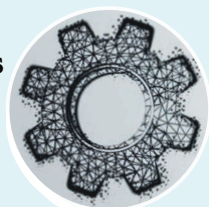
The International Conference on Mechanical Engineering (CME) is a biannual event organized by the *Ecole Militaire Polytechnique* (EMP) in Bordj El Bahri, Algeria, approximately 30 km east of Algiers. The 14th edition will be held on May 7 - 8, 2024.

CME'2024 aims to create a vibrant academic platform to foster and promote high-quality research. It also seeks to facilitate interactions between theoretical and applied research, encouraging collaboration and cooperation. These efforts will provide valuable insights into the interplay and communication among research, real-world applications, and future prospects.

Topics of interest

Structural Mechanics

- Mechanisms & rotating machines
- Structural optimization
- Crashworthiness
- Ballistics and effects of explosions
- Machine condition monitoring
- Robotics & multi-body dynamics



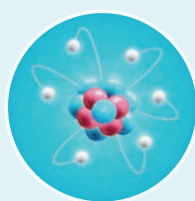
Design and Manufacturing

- Design process & manufacturing
- Metrology & quality control
- Reverse Engineering & rapid prototyping
- Production maintenance & management
- Additive manufacturing
- Biomechanics and medical device design



Materials Science and Engineering

- Material processing & characterization
- Mechanical behavior of materials
- Fatigue, damage & fracture
- Ceramics, mining & powder metallurgy
- Composite materials & polymers
- Surface science & interfaces



Fluid Mechanics and Energetics

- Renewable energy
- Aerodynamics & flow control
- Thermodynamics & heat/mass transfer
- Combustion & fuels
- Turbomachinery, power & propulsion
- Numerical methods in fluid mechanics
- Fluid-structure interactions



Best Paper Award



Two Best Paper Awards will be given, one for the best paper presented in the oral session and one for the best paper presented in the poster session

Organizing committee

President :

Pr. MAY Abdelghani

Members

Dr. KHALFALLAH Smail
Dr. BOUDIAF Mohamed DEA
Dr. MESSELLEK Ali Cherif
Dr. BELOUETTAR Karim
Dr. LOUAR Mohamed Abderaouf
Dr. TIKARROUCHINE El-Hadi
Dr. BENAOUALI Abdelkader
Dr. SADAOUI Sif Eddine
Dr. BOUZIANE Mohammed
Dr. BOUTEMDJET Abdewahid
Dr. MEDJAHED Abou Bakr
Dr. REBHI Lamine
Dr. DJEMAOUNE Younes
Dr. HABBOUCHE Housseem

Contacts

BP 17, Bordj El Bahri,
16046, Algiers, Algeria

+213 (0) 23 95 37 26

+213 (0) 23 95 37 05

cme@emp.mdn.dz



<http://www.emp.mdn.dz/events/cme2024/index.html>



Submission

Submissions for participation should be made through

Microsoft's CMT platform



Important Dates

31st January
Submission
deadline

15th March
Acceptance
notification

10th April
Final
decision

20th April
Final
program

7-8th May
Conference
holding



Sponsorship

National operators are invited to participate as sponsors in this conference. Any request should be sent to Mr the Commander of the EMP before February 1st, 2024



Publishing

Outstanding articles may have the possibility of being considered for publication with



Springer