



APRIL 22, 2025. BORDJ EL BAHRI, ALGIERS, ALGERIA



Overview

The First symposium on Predictive Maintenance and Intelligent Diagnostic (PMID2025) will be organized by the Ecole Militaire Polytechnique (EMP) in Bordj El Bahri, Algiers, on April 22, 2025. This event will include plenary lectures, oral presentations and posters. PMID2025 aims to create a platform for academics and researchers, providing an opportunity to promote essential concepts, exchange experience and discuss latest advancements in the field of predictive maintenance. We invite authors to submit extended abstracts (at least two pages) summarizing the problematic, the adopted methodology and the obtained results. For this purpose, please use the template and the submission guide available on the symposium website.

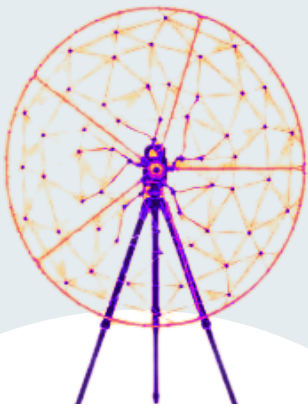
Topics

Condition Monitoring, Diagnostic, and Prognostic

- Vibration, Signal, and Image Processing
- Data-driven Fault Detection and Diagnosis
- Model-Based Prediction and Physics of Failure
- Structural Health Monitoring (SHM)
- Remaining Useful Life Estimation Methods

Standardization, System Instrumentation, and IoT

- Engineering Standards in Condition Monitoring
- Maintenance Integration in Autonomous Systems
- Sensor Technologies and Data Acquisition
- Interoperability for IoT-Enabled Maintenance
- Prognostics and Health Management (PHM)



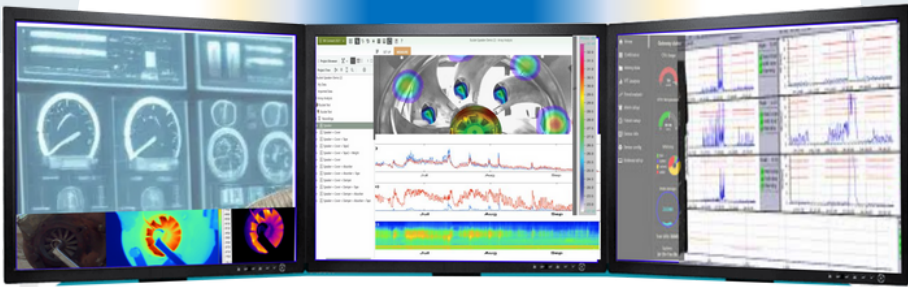
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Reliability, Safety, and System Health Management

- Reliability and Risk Assessment Approaches
- Maintenance Planning and Scheduling Techniques
- Decision Support Systems for Predictive Maintenance
- Asset Management and Lifecycle Integrity
- Predictive Analytics in Maintenance

Artificial Intelligence (AI) and Emerging Technologies

- AI and Machine Learning in Maintenance
- Digital Twin Technology for Maintenance Applications
- Big Data Analytics for Condition Monitoring
- Deep Learning-Based Condition Monitoring
- Advancements in Non-Destructive Testing



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Important
Dates

Abstract submission deadline	Acceptation notification	Full paper submission deadline
01st February 2025	20th February 2025	20th March 2025