



# Mohamed Cherif Messaadia University Souk Ahras

Under the patronage of

Prof. Noura MOUSSA, Rector of Mohammed Cherif Messaadia-Souk Ahras University  
Dr. Farida KHAMMAR, Dean of the Faculty of Science and Technology  
Prof. Abdelmoumene GUEDRI, Director of the Laboratory of Applications, Management, Maintenance and Rehabilitation of Urban Infrastructure (INFRA-RES)

The Faculty of Science and Technology

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The Laboratory of Applications, Management, Maintenance and Rehabilitation of Urban Infrastructure (INFRA-RES)



in collaboration with:

- ✓ Laboratory of Theoretical Physics and Materials Physics. University Hassiba Benbouali of Chlef, Algeria.
- ✓ Laboratory of Control, testing, Measurement and Simulation in Mechanics. University Hassiba Benbouali of Chlef, Algeria.
- ✓ Laboratory of Applied Civil Engineering, Echahid Cheikh Larbi Tebessi University, Tebessa, Algeria
- ✓ Laboratory of Electrical Engineering (LABGET), Echahid Cheikh Larbi Tebessi University, Tebessa, Algeria
- ✓ Laboratory of Electromechanical Systems (LASEM), National Engineering School of Sfax, Sfax, Tunisia.
- ✓ Laboratory of Geological and Hydrological Systems Modeling (GEOMODELE), Faculty of Sciences, University of Sfax, Tunisia.

## ORGANIZE

### The Doctoral Days on Experimental Practice and Numerical Simulation in Scientific Research

'DDs'

Souk Ahras, Auditorium & Central Library, December 17-18, 2024

## Presentation of DDs

The Doctoral Days will emphasize **experimental practice** and **numerical simulation**, two critical techniques widely used in scientific research across various disciplines. These methods, which play a central role in modern scientific investigations, will be explored in-depth, with a focus on how they are applied to solve complex problems in fields such as civil engineering, mechanics, and hydraulics, among others.

Throughout the workshops, **national and international experts** will not only share the theoretical foundations of these advanced techniques but will also present real-world examples from their own research, providing participants with a practical understanding of how these methods are implemented in various projects. These sessions will offer valuable insights into how experimental data and simulations are integrated to optimize solutions and drive scientific discovery.

Additionally, the DDs will serve as an interactive platform where **researchers and engineers** can engage in discussions on current research needs and challenges within their respective fields. Under the guidance of specialists, participants will have the chance to explore innovative solutions and methodologies that could shape the future of scientific research. The event will also foster **collaborations** between academic institutions, laboratories, and industry professionals, creating opportunities for future joint ventures and collective advancements in science and technology.

## Objectives

- ◆ **Share advanced techniques** : National and international experts will present fundamental principles, illustrated by concrete examples.
- ◆ **Encourage collaborations**: Foster exchanges between researchers, engineers, and specialists to explore research needs.
- ◆ **Innovate**: Find practical and supervised solutions for current scientific challenges.

## Supported by



University Mohamed Cherif Messaâdia, Souk Ahras, Algeria



University Hassiba Ben bouali, Chlef, Algeria



University of Stax, Sfax, Tunisia



Echahid Cheikh Larbi Tebessi University, Tebessa, Algeria

## Organizing Committee

### Members

Sabri DAIRI	Dounia MRAD	Ali Bouamrane	Imad LOUKAM
Abderahim GHERIS	Reda BOULIFA	Ammar CHAKHRIT	Med Salah MIHOUBI
Elhadi MECHEMTEL	Radhia CHABBI	Soumia OULEDZAOUI	Bital SOLTANI
Abdelghani GUECHI	Khaoula MENNAI	Lakhdar HAFSI	Azzedine MANSOUR

## Scientific Committee

### Members

Abdelmoumene GUEDRI	Yassine Djebbar	Madani SID	Meriem Fakhreddine BOUALI
Nedjem-Eddine BENCHOUIA	Nadjet BOUACHA	Wacila KHOUALDIA	Mohamed HADJ MELIANI
Hacene MAHMOUDI	Zied DRISS	Habib ABIDA	Mohammed ZIGHED
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Saloua MELAIS	Abdelaziz LAKEHAL	Kamel GOUDJIL	Adem HAMROUNI
Sarah DJOUMAA	Salima BOUCHMELLA	Tawfik THELAIDJIA	Rafik BOUFARH

## Invited Speakers



**Prof. Habib ABIDA**  
University of Stax, Sfax,  
Tunisia



**Prof. Zied DRISS (ENIS)**  
University of Stax, Sfax,  
Tunisia



**Dr. Mohammed ZIGHED**  
Process Engineer at the Skikda  
Oil Refinery (RAIK-Sonatrach),  
Algeria



**Prof. Hacene MAHMOUDI**  
National High School of  
Nano-sciences, Algeria.

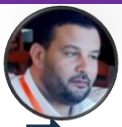


**Prof. Hamoudi BOUZERD**  
University of 20 Aout 1955,  
Skikda, Algeria

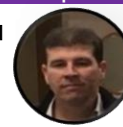


**Dr. Rafik BOUFARH**  
Echahid Cheikh Larbi Tebessi  
University, Tebessa, Algeria

## Workshops



**Prof. Mohammed HADJ MELIANI**  
University Hassiba Ben bouali,  
Chlef, Algeria



**Dr. Abderahim GHERIS**  
University Mohamed Cherif Messaâdia,  
Souk Ahras, Algeria



### Strain gauge transducers, theoretical and practical concepts.

This workshop will provide an in-depth theoretical and practical understanding of strain gauge transducers.



**Dr. Azzedine BELALIA**  
University Hassiba Ben bouali,  
Chlef, Algeria



**Dr. Tawfik THELAIDJIA**  
University Mohamed Cherif Messaâdia,  
Souk Ahras, Algeria



### Dimensionality reduction and condition classification based on artificial intelligence: application on fault diagnosis of mechanical and PV solar systems.

Doctoral students and master's students who wish to participate in the workshop are invited to register by sending an email to the following address: [infreres@univ-soukahrass.dz](mailto:infreres@univ-soukahrass.dz).

Please include the following information in your email:

- Full Name: ...
- Status (Doctoral or Master's student) and field of study: ...
- University: ...