

12^{ème} Journées des Sciences de l'Ingénieur









JSI'2025, June 27-29, 2025, Sfax, TUNISIA





International Conference on Engineering Science



ORGANIZING COMMITTEE

Honorary chairs:

Ahmed Hadj Kacem (University of Sfax) Khaled Eleuch (ENIS) Slim Abbes (ENIS) Kamel Sahnoun (TEO) Slim Choura (TEO, ENIS) Lotfi Abid (AIT, TEO) Maher Yengui (Cisen, AIDENIS, TEO) Chiheb Zouari (CNAM)

General chairs:

Zied Driss (LASEM, AIDENIS, ENIS) Hafedh Trabelsi (CES, AIDENIS, ENIS) Mohamed Salah Abid (LASEM, ENIS)

Organizing chairs:

Ahmed Ketata (IPEIG, LASEM, ENIS) Ahmed Ayadi (ISSIG, LASEM, ENIS) Ridha Djebali (ISLAIB, SMART) Anis Njah (CES, ENIS) Mariem Lajnef (ISSATG, LASEM, ENIS) Ridha Boudhiaf (ISBS, LASEM, ENIS)

Registration chairs:

Wiem Nasri (LASEM, ENIS) Yasmine Touhami (LASEM, ENIS) Slah Driss (LASEM, ENIS) Dorra Gothbani (LASEM, ENIS) Fatma Mejdoub (LASEM, ENIS) Chokri Kharrat (SNCI, AIDENIS)

Program chairs:

Hasna Abid (LASEM, ENIS) Abderrahman Guermazi (CES, ENIS) Haithem Nasraoui (LASEM, ENIS) Sondes Ifa (LASEM, ENIS) Olfa Zghal (LASEM, ENIS) Imen Jmal (LASEM, ENIS)

Logistic chairs:

Sahar Hadjkacem (LASEM, ENIS) Marwa Hannachi (LASEM, ENIS) Lina Chelbi (LASEM, ENIS) Aya Missaoui (LASEM, ENIS) Wassim Kammoun (TEO, INSTM) Olfa Moussa (LASEM, ENIS) Aymen Mhamdi (LASEM, ENIS)

Public relation chairs:

Mabrouk Mosbahi (LASEM, ENIS) Sami Missaoui (LASEM, ENIS) Ayadi Zribi (ENIS) Mourad Ayadi (Myrage, AIDENIS, RIT) Mouna Kallel (LGME, ENIS) Dorra Abid (LGME, ENIS) Ibrahim Mabrouki (LASEM, ENIS) Roueid Ben Fekih (LASEM, ENIS)

IMPORTANT DATES

Submission of full papers: May 15, 2025 Starting of notification: May 15, 2025

REGISTRATION FEES

Student: 200 DT / 70 euros University: 300 DT / 100 euros Industry: 500 DT / 200 euros

Nota: The registration fees cover the conference documentation. the two lunchs and the coffee breaks.

Conference.jsi@gmail.com

OVERVIEW

JSI'2025 is a leading conference on Engineering Science. During this event, researchers, industrials and students present oral and poster expositions relating to the considered areas.

The subject areas include, but are not limited to the following fields:

- -Computational Fluid Dynamics (CFD),
- -Computational Structure Dynamics (CSD),
- -Modelling and simulation,
- -Experimental testing methods,
- -Energy efficiency,
- -Renewable energy,
- -Sustainable environment,
- -Material technology,
- Agroindustry development,
- Innovation and industrial applications,
- -Artificial Intelligence and Applications.

This scientific event will be organized in Sfax city. The official partners of the JSI'2025 is the Association of Graduate Engineers of ENIS (AIDENIS), The ENIS Clubs, the Research Laboratories and Units as well as the Industrial Companies are highly recommended to participate in this event. Particularly, the Laboratory of Electromechanical Systems (LASEM), the Laboratory of Computer and Embedded Systems (CES) as well as the industrial companies are of great help during this

FORUM:

Exhibition stands will be available to present the industrial equipments and the students projects. All of these elements made this event an excellent forum for engineering students, researchers and industrials.

PROCEEDINGS:

The papers published in the proceedings of the JSI'2025 will be evaluated by the scientific comity. selected presented papers will be published in a Book and/or proposed International Journals from Elsevier, Springer, Bentham or Nova Science Publishers.

A round table will take place to assess the material presented during these Days and two prizes will be awarded for participants of the JSI'2025:

- -The first prize is for the best research work.
- -The second prize is for the best technological innovation.

ADRESS:

ENIS, B.P. 1173, Road Soukra, 3038, Sfax, Tunisia

WEB SITE:

http://www.jsi-conference.tn http://www.enis.rnu.tn

HONORARY SCIENTIFIC COMMITTEE Mohamed Abid (University of Sfax, Tunisia) Abdelkrim Aid (University of Mascara, Algeria) Kenza Akhrib (USTHB, Algeria) Noureddine Latrache (University of Brest, France) Muslum Arici (University of Koaceli, Turkey Costanza Aricò (University of Palermo, Italia) Abdelmelk Atia (University of El Oued, Algeria) Abederrahmane Aissa (University of Mascara, Algeria) Kamel Aoues (University of Biskra, Algeria) Mohammed El Hadi Attia (University of El Oued, Algeria) Ridha Ennetta (University of Gabes Tunisia) Moussa Attia (University of Thessa, Algeria) Badis Bakri (University of M'sila, Algeria) Maher Ben Chikh (University of Monastir, Tunisia) Sadok Ben Jabrallah (University of Carthage, Tunisia) Badis Bakri (University of M'sila, Algeria) Abderrezak Bezazi (University of Guelma, Algeria) El Hassan Boudaia (University of Beni Mellal, Morocco) Abdelhadi Beghidja (University of Constantine, Algeria) Nourredine Belghar (University of Biskra, Algeria) Hani Benguesmia (University of M'sila, Algeria) Said Bouabdallah (University of Laghouat, Algeria) Abdallah Bouabidi (University of Gabes Tunisia) Jamel Bouaziz (University of Sfax, Tunisia) Mohamed Bouaziz (University of Sfax, Tunisia) Slim Bouaziz (University of Sfax, Tunisia) Zoubeir Bouaziz (University of Sfax, Tunisia) Saadi Bougoul (University of Batna, Algeria) Iddir Boumrar (University of Tizi-Ouzou, Algeria) Abdelkarim Bouras (University of M'sila, Algeria) Fethi Bouras (University of El Oued, Algeria) Hamida Boussehel (University of Biskra, Algeria) Mouldi Chrigui (University of Gabes, Tunisia) Gilberto García Del Pino (University of Amazonas, Brazil) Nabil Derbel (University of Sfax, Tunisia) Ridha Djebali (University of Jendouba, Tunisia) Paulo Dos Reis (University of Coimbra, Portugal) Imad Hamadneh (University of Jordan, Jordan) Farah Hamrit (University of M'sila, Algeria) Ammar Hidouri (University of Gafsa, Tunisia) Abderrahmane Horimek (University of Djelfa, Algeria) Mohamed Haddar (University of Sfax, Tunisia) Nader Haddar (University of Sfax, Tunisia) Farah Hamrit (University of M'sila, Algeria) Hatem Ghodbane (University of Biskra, Algeria) Belhi Guerira (University of Biskra, Algeria) Abd Elnaby Kabeel (University of Tanta, Egypt) Mourad Kaddiri (University of Beni Mellal, Morocoo) Abdelmadjid Kaddour (University of Ghardaïa, Algeria) Ines Kammoun (University of Sfax, Tunisia) Mohamed Habib Kammoun (University of Sfax, Tunisia) Abderrahmane Khechekhouche (University of El Oued, Algeria) Medjdoub Khessam (University center of Naama, Algeria) Monem Kallel (University of Sfax, Tunisia) Mahfoudh Kadja (University of Constantine, Algeria) aher Khir (University of Gabes, Tunisia) Yasmina Lahiouel (*University of Guelma, Algeria*) Brahim Mezghani (*University of Sfax, Tunisia*) Aref Maalej (University of Sfax, Tunisia) A. Muthu Manokar (Crescent University, India) Hadi Miloua (University of Djilali Liabes, Algeria) Brahim Necib (University of Constantine, Algeria) Abdelmajid Oulha (*University of Sfax, Tunisia*) Hyung-Ho Park (*Yonsei University, Korea*) Maher Radaoui (University of Gafsa, Tunisia) Elhadj Raouache (University of Bordj Bou Arréridj, Algeria) Rachid Renane (University of Blida, Algeria) Tullio Tucciarelli (University of Palermo, Italia) Manousos Valyrakis (University of Thessaloniki, Greece) Hao-Chun Zhang (Harbin Institute of Technology, China) Mosbah Zidani (University of Batna 2, Algeria)





























Bassem Zouari (University of Sfax, Tunisia)







