CoTuMe' 2025

Cotume 2025

01, 02 & 03 May, 2025
at Hotel Madia Palace & Thalasso

SPEAKERS

PLENARY SESSIONS

Prof. Chiheb BOUDEN
Prof. Mohamed HABIIBI
Prof. Moncef GABBOUJ
Dr. Amani CHARRAD
Prof. Elhem GHORBEL

INVITED SPEAKERS KEYNOTES

Prof. Georges Limbert
Prof. Riadh Elleuch
Prof. Olivier Boiron
Prof. Nizar Aifaoui
Prof. Tarek Benameur
Prof. Sami Chatti
Prof. Ridha Ennetta
Prof. Wael Zaki
Prof. Tarak Ben Zineb
Prof. Haykel Marouani

Prof. Mouldi Chrigui
Prof. Amna Znaidi
Prof. Sana Koubaa
Prof. Mohamed Guedri
Prof. Mounir Baccar
Prof. Nabih Feki
Prof. Kaouthar Khelifi
Prof. Ated Ben Khalifa
Prof. Nizar Ben Salah
Prof. Abdelfattah Mlika

MINI SYMPOSIUM INDUSTRY 5.0

Prof. Soufiene DELLAGI
Prof. Sami Bennour

MINI SYMPOSIUM TEXTILE

Prof. Saber BEN ABDESSALEM
Ing. Haythem HADDAD
Ing. Mohsen MISSAOUI

MINI SYMPOSIUM ENERGY

Dr. Amani CHARRAD
Prof. Foued MZALI

Prof. Chiheb BOUDEN

ENIT - University of Tunis El Manar

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https://www.researchgate.net/profile/Chiheb-Bouden-2

PLENARY SESSION 1

Chiheb Bouden, a professor at the National School of Engineers of Tunis, has a background in civil engineering and solar energy. He has conducted research on solar energy conversion, its applications in building, industry, and agriculture, and human thermal comfort in buildings. Bouden has led numerous research projects supported by the Tunisian Ministry of Scientific Research, the National Agency for Energy Management, and industrial partners. He has also coordinated Tunisian teams in projects funded by the European Union and the ENI-CBCMED program.

Green Hydrogen: What contribution is expected from the higher education sector to support the objectives of the national strategy?

Hydrogène Vert : Quelle contribution est attendue du secteur de l'enseignement supérieur pour accompagner les objectifs de la stratégie nationale ?

Thursday 1st May

15h45– 16h30

PLENARY SESSION 2

Prof. Mohamed HABIBI

University of Quebec at Trois-Rivières

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Mohamed Habibi, a professor at the University of Quebec at Trois-Rivières, is a member of the Order of Engineers of Quebec and director of the Advanced Mechanical Engineering Research Team. His research focuses on advanced functional materials and manufacturing processes, with a particular emphasis on intelligent additive manufacturing and smart materials. Habibi has held positions in bioeconomy and industrial and environmental efficiency. He has won several research grants, is a journal reviewer, international speaker, and research supervisor for master's and doctoral students.

Intelligent additive manufacturing and reactive materials: catalysts of the transition to the 5.0 manufacturer

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Fabrication additive intelligente et matériaux réactifs : Catalyseurs de la transition vers le manufacturier 5.0

Friday 2nd May

09h00– 10h00

PLENARY SESSION 3

Prof. Moncef GABBOUJ

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Moncef Gabbouj is a renowned researcher in nonlinear signal and image processing, multimedia analysis, indexing and retrieval, machine learning, voice conversion, and video processing and coding. He has held visiting professorships at various universities and is a Fellow of the IEEE, a member of the European Academy and the Finnish Academy of Science and Letters. Gabbouj has been involved in several EU Research and education projects and programs, co-authored over 800 publications, and supervised 63 PhD theses. He has also served as an Evaluator of IST proposals and Auditor of ACTS and IST projects on multimedia security, augmented and virtual reality, image and video signal processing.

Deep learning and its various applications

Le Deep Learning et ses applications diverses

Friday 2nd May

14h00– 14h45

PLENARY SESSION 4

Dr. Amani CHARRAD

PCN "Widening", UGPO - Horizon Europe, MESRS

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Amani Mahjoubi Charrad is a Senior Officer at the National Agency for Scientific Research Promotion (ANPR), leading the Office of International Cooperation and Support to research and innovation. She manages numerous European Commission and World Bank-funded programmes and projects. She serves as the National Contact Point for Horizon Europe, National Correspondent for COST, and coordinator of the EURAXESS North Centre in Tunisia.

Horizon Europe: The opportunities of the "Widening" instruments

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Les opportunités des instruments "Widening" dans le programme Horizon Europe

Saturday 3rd May

09h00- 10h00

PLENARY SESSION 5

Prof. Elhem GHORBEL

University of Cergy-Pontoise (France)

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https://www.researchgate.net/profile/Elhem-Ghorbel

Elhem Ghorbel, a 27-year-old graduate from the National High Engineering School of Mines in Paris, is a Full Professor in the Civil Engineering Department at CY Cergy Paris Université (IUT). She has been ranked among the top 2% scientists in civil engineering since 2020. She has received numerous awards, including a Robert and Maude Gledden Research Fellowship and a scholarship from the Brazilian Federal Foundation. Her research focuses on concrete mix design, material mechanical behavior, and the value of inert and industrial waste in concrete. She has supervised 21 defended theses and currently supervises three PhD candidates. Ghorbel has published over 75 papers, 130 conference papers, and 11 book chapters, and has been involved in organizing around thirty international conferences.

Impact of Materials on Global Warming: Analysis by LCA for Environmental Efficiency

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Impact des Matériaux sur le Réchauffement Climatique : Analyse par l'ACV pour une Efficacité Environnementale

Saturday 3rd May

14h00– 14h45

INVITED SPEAKERS : KEYNOTE 1

Prof. Georges Limbert

University of Southampton (United Kingdom)

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https://www.researchgate.net/profile/Georges-Limbert

Georges Limbert, a Professor of Biophysical Engineering at the University of Southampton and Honorary Professor of Biomedical Engineering at the University of Cape Town, is a leading figure in constitutive modelling of soft tissues, with a particular focus on skin biophysics and the mechanics and tribology of biological structures. His research is supported by major organizations in consumer goods, cosmetics, pharmaceutics, and military sectors. Limbert also acts as a consultant for Fortune 500/FTSE 100 and SME companies, and his constitutive models are used in industry, academia, and the US Army. He holds a PhD in Computational Biomechanics from the University of Southampton and is a Chartered Engineer and Fellow of the Institution of Mechanical Engineers

Unravelling the interplay of structural and material properties of skin

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Déchiffrer l'interaction entre les propriétés structurelles et matérielles de la peau

Thursday 1st May

16h30 - 17h00

INVITED SPEAKERS : KEYNOTE 2

Prof. Riadh Elleuch

University of Sfax

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https://www.researchgate.net/profile/Riadh-Elleuch

Riadh Elleuch is a University Professor in the field of Mechanical Engineering at the Sfax Preparatory Engineering Institute (IPEIS) and the National Engineering School of Sfax (ENIS.

Tool steels: New developments, Manufacturing techniques, Heat Treatment and Mechanical properties

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Aciers à outils : Nouvelles avancées, Techniques de fabrication, Traitement thermique et Propriétés mécaniques

Thursday 1st May

16h30 - 17h00

INVITED SPEAKERS : KEYNOTE 3

Prof. Olivier BOIRON

Central Mediterranean (Marseille - France)

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https://www.researchgate.net/profile/Olivier-Boiron

Olivier Boiron, a Professor of Fluid Mechanics at Centrale Méditerranée, conducts research at the IRPHE laboratory. Since 2014, he has held the UNESCO UniTwin 651 chair, connecting higher education institutions in the Mediterranean region. Boiron teaches fluid mechanics at Centrale Marseille, focusing on Computational Fluid Dynamics (CFD) and biomechanics. Since 2018, he has been the program director for the Master of Science and Technology in Complex Systems Engineering. His research focuses on fluid mechanics and biomechanics, exploring topics like aquatic propulsion, air pollution, aerosol transport, and multiphysical couplings.

Biomechanics of the intervertebral disc - towards a diagnosis of disc degeneration

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Biomécanique du disque intervertébral - vers un diagnostic de la dégénérescence discale

Thursday 1st May

16h30 - 17h00

INVITED SPEAKERS : KEYNOTE 4

Prof. Nizar Aifaoui

IPEIM - University of Monastir

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https://www.researchgate.net/profile/Nizar-Aifaoui

Nizar Aifaoui is a Full Professor in Mechanical Engineering at the University of Monastir, specializing in CAD CAM simulations of complex mechatronic products. He has published numerous articles and chapters in various scientific journals and serves as the Chief of Project at the Mechanical Engineering Laboratory.

Expectations of advanced CAD systems in the era of Industry 5 and 6.0.

Attentes des systèmes CAO avancés à l'ère de l'Industrie 5 et 6.0.

Thursday 1st May

16h30 - 17h00

INVITED SPEAKERS : KEYNOTE 5

Prof. Tarek BENAMEUR

ENIM - University of Monastir

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https://www.researchgate.net/profile/Tarek-Benameur-2/1000

Tarek Ben Ameur, a renowned professor of mechanical engineering, is a representative of the Tunisian Ministry of Higher Education and Scientific Research at the European Commission's Technology Council for Advanced Materials. He leads the Common Service for the Research Unit ESEM FEI Q250 at ThermoFisher and has received numerous international awards. Ameur's research focuses on optimizing microstructural and protective coating structures using high-resolution electron microscopy and nanoindentation techniques. He has held academic roles at the University of Monastir and Umm Al-Qura University, and has authored 70 documents.

Recent Advances in Bulk Metallic Glasses for High-Performance Applications

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Avancées récentes dans les verres métalliques massifs pour des applications haute performance

Friday 2nd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 6

Prof. Sami Chatti

ENIM - University of Monastir

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Sami Chatti, a full professor and director of the mechanical engineering department at the National Engineering School of Monastir, Tunisia, holds a degree in mechanical engineering, focusing on manufacturing engineering from TU Dortmund University, Germany, and a doctoral degree in forming technology from the University of Franche-Comté, France.

Proposal for the manufacturing of personalized orthoses by 3D printing

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Proposition pour la fabrication d'orthèses personnalisées par impression 3D

Friday 2nd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 7

Prof. Ridha Ennetta

ENIG - University of Gabes

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Dr. Ennetta is currently a Full Professor of Mechanical Engineering at The Higher Institute of Industrial Systems (ISSIG), University of Gabes, Tunisia.
He received his PhD, in 2010, in Applied Physics from Monastir University, his Master's degree, in 2003 and Engineer Diploma, in 2000, in Mechanical Engineering from Sfax University, Tunisia.
He is the co-founder of the Laboratory of Mechanical Modelling, Energy and Materials (LM2EM) at the National Engineering School of Gabes (ENIG). His research activities concern essentially combustion science and technologies, ranging from numerical modeling of turbulent combustion (flame propagation, turbulence effects) to experimental studies of ICE and burners using alternative fuels (CNG, biodiesel, alcohol). Recently, he is interested in sustainable and renewable energy systems such as wind turbines optimization, green hydrogen production using RE, solar-powered water desalination.
He was the supervisor of 05 and co-supervisor of 02 defended PhDs and 30+ master degrees. He is the co-author of 35+ scientific publications. He was the supervisor of 05 and co-supervisor of 02 defended PhDs and 30+ master degrees. He is the co-author of 35+ scientific publications

Green Hydrogen: Production and Use in Electricity Generation

Hydrogène vert : Production et utilisation dans la production d'électricité

Friday 2nd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 8

Prof. Wael Zaki

Khalifa University (Abu Dhabi, UAE.)

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https://www.researchgate.net/profile/Wael-Zaki-2

Wael Zaki, a Full Professor of Mechanical Engineering at Khalifa University, specializes in constitutive modeling and fatigue analysis of advanced solids, including shape memory alloys and their composites. He has received the Excellence in Research award from Khalifa University and is accredited as a "high-end foreign expert" in smart materials by the State Administration of Foreign Experts Affairs of China. He is currently working on additive manufacturing of nitinol shape memory alloys.

Nitinol Architected Materials and Interpenetrating Phase Composites

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Matériaux architecturés en nitinol et Composites à Phases Interpénétrantes

Friday 2nd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 9

Prof. Tarak Ben Zineb

Polytechnic Nancy - University of Lorraine

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https://www.researchgate.net/profile/Tarak-Ben-Zineb

Tarak Ben Zineb, a professor at Polytech Nancy, University of Lorraine, is an Assistant Director and Director of the Energy, Mechanics, Materials, and Environment department. He has been the Head of the Energy Mechanics Materials and Environment specialization since 2020. His research focuses on Materials Engineering and Mechanical Engineering, specifically developing nonlinear behavior laws for adaptive materials and creating special finite elements with coupled degrees of freedom.

Multi-scale numerical analysis of the response of porous or architectured structures in shape memory alloys using finite element methods and data-driven approaches

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Analyse numérique multi-échelles de la réponse des structures poreuses ou architecturées en alliages à mémoire de forme par les méthodes des éléments finis au carré et basées sur les données

Friday 2nd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 10

Prof. Haykel Marouani

ENIM - University of Monastir

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https://www.researchgate.net/profile/Haykel-Marouani

Haykel Marouani is a Mechanical Engineering lecturer-researcher at the National School of Engineers of Monastir, coordinating academic and industrial projects. He holds a DEA and PhD in mechanical engineering from the University of Technology of Compiègne. Marouani's research focuses on finite element modeling of forming processes, magneto-mechanical coupling, and material fatigue behavior, with over 30 articles authored.

Fatigue Performance and Predictive Modeling of 3D Printed PLA: Towards Reliable Additive Manufacturing of Polymers

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Performance de fatigue et modélisation prédictive du PLA imprimé en 3D : Vers une fabrication additive fiable des polymères

Friday 2nd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 11

Prof. Mouldi Chrigui

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Mouldi Chrigui, a renowned mechanical engineering professor, has been at the National Engineering School of Gabès since 2018. He leads the Mechanical Modeling, Energy, and Materials Laboratory (M2EM) at ENIG, where he conducts research on numerical simulations of multiphase and reactive flows, combustion of alternative fuels, hydraulic modeling, renewable energy, and energy efficiency. Chrigui previously worked as a research associate at the Technical University of Darmstadt and earned his Ph.D. in Mechanical Engineering in 2005. He is a certified international expert by ANSYS-USA since 2022 and has supervised numerous Ph.D. theses in chemical and mechanical engineering.

Turbulence Modeling: A Pillar of Fluid Mechanics

Modélisation de la turbulence : un pilier de la mécanique des fluides

Friday 2nd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 12

Prof. Amna Znaidi

IPEIEM - University of Tunis ElManar

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https://www.researchgate.net/profile/Znaidi-Amna

Amna Znaidi is a renowned Tunisian professor in mechanical engineering, specializing in materials science, fatigue analysis, and advanced manufacturing techniques. She is a faculty member at the Preparatory Institute for Engineering Studies El Manar and the Applied Mechanics and Engineering Laboratory at the National Engineering School of Tunis. Her research interests include the mechanical behavior of materials, fatigue and fracture mechanics, and advanced manufacturing, particularly focusing on aluminum alloys, stainless steels, and 3D-printed materials for biomedical applications. Znaidi has co-authored numerous peer-reviewed articles and conference papers, and has also collaborated internationally.

On a new strategy for identifying the behavior laws of metallic materials

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Sur une nouvelle stratégie d'identification des lois de comportement des matériaux métalliques

Friday 2nd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 13

Prof. Sana Koubaa

ENIS - University of Sfax

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https://www.researchgate.net/profile/Sana-Koubaa

Sana Koubaa is a computational mechanics researcher specializing in modeling multiphysics problems. She earned her Ph.D. in Mechanical Engineering from École Centrale de Nantes-France in 2013, focusing on material manufacturing processes with multiphysic coupling. Her research focuses on developing robust numerical methods to simulate complex interactions between mechanical and multi-physical phenomena, with a particular interest in fracture mechanics and material degradation. Koubaa is involved in international collaborative research projects aiming to improve structural degradation simulation in mechanical engineering applications.

Computational strategy for quasi-brittle fracture via phase-field modeling: toward multiphysics integration

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Stratégie computationnelle pour la fracture quasi-fragile via la modélisation de champ de phase : vers une intégration multiphysique

Saturday 3rd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 14

Prof. Mohamed Guedri

ENSIT- University of Tunis

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Mohamed Guedri is a renowned professor and mechanical engineer from Tunisia, specializing in stochastic modeling, structural reliability, and composite materials. He is affiliated with the National Higher Engineering School of Tunis and has previously worked with the Preparatory Engineering Institute of Nabeul. Guedri's research focuses on Stochastic Finite Element Methods (SFEM), which aims to develop efficient dynamic condensation techniques for uncertainty modeling. He also investigates structural reliability and robust design, particularly in optimizing mechanical systems under uncertainty. Guedri's research also includes the study of natural fiber-reinforced composites, such as polylactic acid (PLA) enhanced with Posidonia Oceanica fibers, for sustainable applications. His work has been cited over 800 times, and he collaborates with various research laboratories, including the Laboratory of Mathematical Physics, Quantum Modeling, and Mechanical Design.

Robust design in dynamics of mechanical structures

Conception robuste en dynamique des structures mécaniques

Saturday 3rd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 15

Prof. Mounir Baccar

ENIS - University of Sfax

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https://www.researchgate.net/profile/Mounir-Baccar

Mounir Baccar is a professor at the National Engineering School of Sfax (ENIS) and a member of the Computational Fluid Dynamics and Transfer Phenomena (CFDTP) research unit. His academic interests include computational fluid dynamics, thermal energy storage, heat exchangers, and renewable energy systems. His work has been featured in numerous peer-reviewed journals and he has played a key role in organizing international conferences, such as the 7th International Conference on Advances in Mechanical Engineering and Mechanics (ICAMEM 2019). Baccar has also acted as an editor for the conference proceedings published in the Lecture Notes in Mechanical Engineering series.

Numerical modeling of hydrodynamic behavior and thermosolutal transfer phenomena induced in a solar pond

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Modélisation numérique du comportement hydrodynamique et des phénomènes de transfert thermosolutal induits dans un étang solaire

Saturday 3rd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 16

Prof. Nabih Feki

ISSAT - University of Sousse

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https://www.researchgate.net/profile/Nabih-Feki

Nabih FEKI, a Mechanical Engineering lecturer at ISSAT Sousse, has been the head of the department since 2024 and chair of the Professional Master's committee since 2018. He holds a PhD in Mechanical Engineering from INSA Lyon, a Master's degree in Mechanics and Engineering from ENIS, and an Engineering degree in Electromechanical Engineering from ENIS. His research focuses on developing new models for predicting and detecting mechanical and electrical faults using modern methods. He has published numerous scientific papers, supervised master's and doctoral theses, and funded projects.

Advanced hybrid approaches for predictive maintenance 4.0: Integrating physics-based models and AI

Approches hybrides avancées pour la maintenance prédictive 4.0 : Intégration des modèles basés sur la physique et de l'IA

Saturday 3rd May

10h30 - 11h00

INVITED SPEAKERS : KEYNOTE 17

Prof. Kaouthar Khelifi

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https://www.researchgate.net/profile/Kaouther-Khlifi

Kaouthar Khelifi, an Associate Professor of Mechanical Engineering at the El Manar Preparatory Institute for Engineering Studies (IPEIEM) and a member of the Laboratory of Mechanics, Materials, and Processes (LMMP) at the National School of Engineers of Tunis (ENSIT), specializes in functional coatings applied to metallic and polymer substrates, particularly thin films of TiO_2, CrN/CrAlN, and ZnO. Her research focuses on enhancing the mechanical, tribological, anticorrosive, and bioactive properties of these coatings, with applications in biomedical and industrial fields.

Biomedical coatings for biodegradable temporary implants in magnesium alloy: Study of mechanical and biological behavior.

Revêtements biomédicaux pour implants temporaires biodégradables en alliage de magnésium: Etude du comportement mécanique et biologique.

Saturday 3rd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 18

Prof. Ated Ben Khalifa

ENIM - University of Monastir

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https://www.researchgate.net/profile/Ated-Khalifa

Ben Khalifa Ated, a Senior Lecturer in Mechanical Engineering at ENIM, has been researching fiber composite materials since 2003, focusing on multi-scale characterization using NDT techniques like DIC and EA. He is also interested in metallic additive manufacturing by wire arc additive manufacturing (WAAM), specifically designing, characterization, and post-processing Iron-Nickel alloys. His work includes characterization of thin sheet assembly in dissimilar materials, with applications in the automotive industry.

Metal additive manufacturing using the WAAM process: from design to post-processing

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Fabrication additive métallique par le procédé WAAM : de la conception au post traitement

Saturday 3rd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 19

Prof. Nizar Ben Salah

ENSIT - University of Tunis

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Nizar Ben Salah, a mechanical engineering professor at the National School of Engineers of Tunis, is known for his scholarly contributions and union activism. He leads the Laboratory of Mechanics, Materials, and Processes (LMMP), a key research facility in Tunisia. Ben Salah's research focuses on phase change materials, thermal modeling, and numerical simulation. He is also involved in advocating for the rights of teacher-researchers and was elected as the general secretary of the General Federation of Higher Education and Scientific Research. He has addressed issues such as university teaching positions, budget reductions, and the brain drain of skilled professionals abroad. Ben Salah has also served as a visiting professor at McGill University in Canada.

Complex Channels Flow: From the Basic Flow to Coherent Strucrtures Onset

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Écoulement dans des canaux complexes : Du flux de base à l'apparition de structures cohérentes

Saturday 3rd May

14h45 - 15h15

INVITED SPEAKERS : KEYNOTE 20

Prof. Abdelfattah Mlika

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Abdelfattah Mlika, a Professor of Mechanical Engineering at ENISo – University of Sousse, has extensive teaching experience in mechanical design since 1990. He has held various positions, including Director of Studies, Deputy Director, Director of the LMS Research Laboratory, and President of the Doctoral Commission in Mechanical Engineering. Mlika has dedicated over fifteen years to the development of robotic systems for medical applications, including functional rehabilitation and surgical teleoperations.

Robotics in the service of health human

La robotique au service de la santé humaine

Saturday 3rd May

14h45 - 15h15

MINI SYMPOSIUM INDUSTRY 5.0

Prof. Soufiene DELLAGI

University of Lorraine - France

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Sofiene Dellagi serves as an Assistant Professor at the University of Lorraine in France, where he is affiliated with the LGIPM laboratory in Metz. His research focuses on areas such as reliability, maintenance, production management, and the optimization of production systems for both goods and services. He earned his Ph.D. in industrial engineering from the University of Lorraine and has held the position of Associate Professor in industrial engineering since 2008. Additionally, he has led the MPM Team at the LGIPM Laboratory since 2015. His scholarly contributions include 13 articles and a book, with his primary areas of expertise being systems reliability, maintenance, and production management. In 2008, he also served as Co-Editor for a special issue of the International Journal of Production Research.

Optimizing Operations in the Era of Industry 5.0: A Cross-Industry Perspective with Potential Healthcare Applications

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Optimiser les opérations à l'ère de l'industrie 5.0 : Une perspective intersectorielle avec des applications potentielles dans le secteur de la santé

Friday 2nd May

16h30 - 17h00

MINI SYMPOSIUM INDUSTRY 5.0

Prof. Sami Bennour

ENIM/ENISO - University of Monastir/Sousse

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https://www.researchgate.net/profile/Sami-Bennour

Sami Bennour is an associate professor at the National School of Monastir, University of Monastir. He is a researcher at the Mechanics Laboratory of Sousse, National School of Engineers of Sousse, University of Sousse, and an Associate Researcher at the Computer Engineering, Production, and Maintenance Laboratory, University of Lorraine. He previously served as the Director of the Advanced Mechanics Department at the National School of Engineers of Sousse. His expertise includes mechatronics, robotics, and biomechanics. He has been a visiting professor at various laboratories and research centers in robotics and biomechanics across France, Switzerland, and Italy. Additionally, he has authored and co-authored around fifty articles and supervised several doctoral theses.

New approaches for detecting and monitoring musculoskeletal disorders using smart wearable sensors

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Nouvelles approches pour détecter et surveiller les troubles musculosquelettiques à l'aide de capteurs portables intelligents

Friday 2nd May

17h00 - 17h30

MINI SYMPOSIUM TEXTILE

Prof.Saber BEN ABDESSALEM

ENIM - University of Monastir

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Saber Ben Abdessalem, a trained textile engineer and PhD holder, has been a University Professor at ENIM since 2013. He teaches knitting and braiding technology, as well as the development of technical textiles for various applications, including medical textiles and composite materials. Abdessalem's research focuses on the study and development of technical textile materials and products, including textile implants, braided suture threads, and fiber-reinforced composite materials. He has supervised over 12 theses and has authored or co-authored over 70 publications in indexed journals with impact factors, accumulating over 300 citations. Abdessalem is the founder and director of the Textile Materials and Processes Research Unit (MPTex) at ENIM and serves as the Chair of the thesis committee in textile engineering.

Technical textiles and their applications

Les textiles techniques et leurs applications

Friday 2nd May

16h30 - 17h00

MINI SYMPOSIUM TEXTILE

Ing. Haythem HADDAD

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Haythem Haddad is an electromechanical engineer with 10 years of experience in the textile sector.
Currently the industrial director of the SITEX group (Société Industrielle des Textiles), he is also a consultant and expert in textile life cycle analysis (LCA) and carbon accounting.
Thanks to his technical skills and expertise in environmental assessment, he contributes to the optimization of industrial processes while emphasizing sustainability and the reduction of the ecological footprint in the textile industry.

Textile Sector, Circularity, and International Requirements: SITEX at the Heart of Innovation

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Secteur Textile, Circularité et Exigences Internationales : La SITEX au Cœur de l'Innovation

Friday 2nd May

17h00 - 17:30

MINI SYMPOSIUM TEXTILE

Ing. El Mohsen MISSAOUI

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El Mohsen Missaoui is a Textile Engineer by training (ENIM-DGT-2001) and has held various positions within the Ministry of Industry. He currently serves as the General Director of CETTEX (Technical Center for Textiles).

For responsible textile innovation and research

Pour une innovation et une recherche textile responsables

Friday 2nd May

17h30 - 17h45

MINI SYMPOSIUM ENERGY

Dr. Amani CHARRAD

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Amani Mahjoubi Charrad is a Senior Officer at the National Agency for Scientific Research Promotion (ANPR), leading the Office of International Cooperation and Support to research and innovation. She manages numerous European Commission and World Bank-funded programmes and projects. She serves as the National Contact Point for Horizon Europe, National Correspondent for COST, and coordinator of the EURAXESS North Centre in Tunisia.

"HOP-ON" of the Horizon Europe Program

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Friday 2nd May

16h30- 17h00

MINI SYMPOSIUM ENERGY

Prof. Foued MZALI

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Foued Mzali, an Associate Professor in Mechanical Engineering at ENIM, has expertise in manufacturing process analysis, energy systems optimization, and material development. He has designed thermal characterization devices and tools and has supervised over fifty final year projects since 2003. Mzali has also co-supervised four doctoral theses and directed two doctoral theses. In December 2017, he was appointed head of the Mechanical Engineering department at ENIM. His specialities include materials engineering, thermo-mechanical modeling, inverse methods, and energy systems modeling.

Presentation of the HEU OpenMod4Africa Project and the project access procedure

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Présentation du Projet HEU OpenMod4Africa et la procédure d'accès au projet

Friday 2nd May

17h00 - 17h30