ICAV-GreenTech 2025 | ATAVI

5th International Conference on

International Conference on Acoustics, Vibration and Green Technologies

SCIENTIFIC PROGRAM

December, 22-24, 2025, Sousse, TUNISIA

Organized by:

Tunisian Association of Industrial Acoustics and Vibration, Tunisia

ATAVI

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Partners:

LA2MP **– ENIS, Tunisia**

UQAT **- University of Quebec in Abitibi-Témiscamingue, Canada**

CNAM **- Conservatoire National des Arts et Métiers, France**

LSPM **- Sorbonne Paris Nord University, France**

LASPI **- Jean Monnet University, Lyon Saint-Étienne, France**

General Program

Monday December, 22, 2025	13h30 – 15h00	Registration						
	15h00 – 15h45	Opening Ceremony + Welcome Cocktail						
	15h45 – 16h30	Plenary Session 1 - ***Room 1***						
	16h30 – 17h15	Plenary Session 2 - ***Room 1***						
	17h15 – 18h00	ONLINE Plenary Session 3 - ***Room 1***						

Tuesday December, 23, 2025	09h00 – 09h45	Plenary Session 4 - ***Room 1***						
	09h45 – 10h30	ONLINE Plenary Session 5 - ***Room 1***						
	10h30 – 11h00	Coffee Break						
	11h00 – 12h30 Oral Presentations	***Room 1***	8	13	14	18	31	35
		Room 2	39	40	60	65	84	
		Room 3	38	58	66	67	75	
	12h30 – 14h00	Lunch						
	14h00 – 14h45	ONLINE Plenary Session 6 - ***Room 1***						
	14h45 – 16h00 Oral Presentations	***Room 1***	1	3	4	54		
		Room 2	16	17	49	81		
		Room 3	21	61	64	77	78	
	16h00 – 16h30	Coffee Break						
	16h30 – 17h00	Poster Session	2-10-12-15-19-26-27-29-30-37-42-51-55-59-63-71-73-76-82-83					
	17h00 – 18h30 Oral Presentations	***Room 1*** *ONLINE*	7	68	69	70	74	79
		Room 2 *ONLINE*	11	24	33	36	52	56
		Room 3 *ONLINE*	22	25	28	47	57	80

Wednesday December, 24, 2025	09h00 – 10h00 Oral Presentations	***Room 1***	9	44	48	50
		Room 2	20	23	41	46
	10h15 – 11h15 Oral Presentations	***Room 1***	5	6	32	53
		Room 2	43	45	62	72
	11h15 – 11h45	Closing Ceremony				
	12h30 – 14h00	Lunch				

Detailed Program

Monday - December, 22, 2025 – Afternoon

15h00 – 15h45	Opening Ceremony + Cocktail de Bienvenue

Interventions of the ICAV-GreenTech'2025 Conference Chairs

Pr. Tahar FAKFAKH, *President of ATAVI, LA2MP, ENIS, Tunisia*

Pr. Ahmed KOUBAA, *UQAT - University of Quebec in Abitibi-Témiscamingue, Canada*

Pr. Jean François DEU, *CNAM, National Conservatory of Arts and Crafts, France*

Pr. Walid LARBI, *CNAM, National Conservatory of Arts and Crafts, France*

Pr. Mohamed Slim ABBES, *Director of EDST, LA2MP, ENIS, Tunisia*

Pr. Mounir BEN AMAR, *LSPM – University of Sorbonne Paris Nord, France*

Pr. Taissir HENTATI, *LA2MP, ENIS, Tunisia*

Interventions of ICAV-GreenTech'2025 Organizing Committee Chairs

Pr. Maroua HAMMAMI, *LA2MP, ENIS, Tunisia*

Pr. Ayoub MBAREK, *LA2MP, ENIS, Tunisia*

Pr. Olfa KSENTINI, *LA2MP, ENIS, Tunisia*

Pr. Moahmed Habib FARHAT*, UJM, France*

15h45 – 18h00	Plenary Sessions

	**15h45 – 16h30** - **Plenary Session 1** ***-- Chair : Pr. Tahar FAKHFAKH*** **Professor Ahmed KOUBAA** University of Quebec in Abitibi-Témiscamingue – Forest Research Institute Head of the Biomaterials Laboratory – Canada
	**16h30 – 17h15** - **Plenary Session 2** ***-- Chair : Pr. Slim BOUAZIZ*** **Professor Jean François DEU** Director, Laboratory of Structural Mechanics and Coupled Systems Conservatoire National des Arts et Métiers (CNAM) – France
	**17h15 – 18h00 – ONLINE Plenary Session 3** ***-- Chair : Pr. Mohamed Amine BEN SOUF*** **Professor Mohamed Najib ICHCHOU** Tribology and System Dynamics Laboratory Ecole Centrale de Lyon – France Link: *https://meet.google.com/ixo-oocd-jsf*

Tuesday - December, 23, 2025 – Morning

09h00 – 10h30	Plenary Sessions

	**09h00 – 09h45 - Plenary Session 4** ***-- Chair : Pr. Mohamed Slim ABBES*** **Professor Walid LARBI** Laboratory of Structural Mechanics and Coupled Systems National Conservatory of Arts and Crafts (CNAM) – France
	**09h45 – 10h30 - ONLINE Plenary Session 5** ***-- Chair : Pr. Lassaad WALHA*** **Professor Fathi Yesevi OKUR** Associate Director, Earthquake and Structural Health Research Center, Karadeniz Technical University – Turkey Link: *https://meet.google.com/ixo-oocd-jsf*

10h30 – 11h00	Coffee Break

11h00 – 12h30	Oral Presentations

	Room 1. ***Chair : Pr. Anas BOUGUECHA & Pr. Riadh CHAARI***
11h00 – 11h15	**ID 8. Numerical Thermal Calibration of AA5087-WLAM Process** *Mohamed Rochdi Hentati, Sana Koubaa, Moncef Hammadi, Zoubeir Bouaziz*
11h15 – 11h30	**ID 13. Improved FSDT-Based Buckling Study of Porous FGM Piezoelectric Plates** *Safieddine Kalleli, Mariem SAHBI, Abdessalem Hajlaoui, Fakhreddine Dammak*
11h30 – 11h45	**ID 14. Buckling Load Prediction of FGM Plates by 3D FEM and Neural Networks Approach** *Mariem Sahbi, Saber Amdouni, Abdessalem Hajlaoui, Fakhreddine Dammak*
11h45 – 12h00	**ID 18. Numerical prediction of the effective elastic properties of carbon paper GDLs for PEMFCs using FFT-based simulations** *Leclerc Willy, Xu Zhixin, Ammar Ahmed, Haddad Hamza, Kanit Toufik*
12h00 – 12h15	**ID 31. Finite element-based assessment of PEEK and PLA composite femoral implants for sustainable design** *Rihem Nouira, Sameh Elleuch, Hanen Jrad*
12h15 – 12h30	**ID 35. Bending of functional gradient plate considering the stretching effect** *Souhir Zghal, Houcem Mezghani, Zoubeir Bouaziz*

	Room 2. ***Chair : Pr. Fakhreddine DAMMAK & Pr. Hassen TRABELSI***
11h00 – 11h15	**ID 39. Experimental Investigation of Winter Temperature and VPD Conditions for Greenhouse Climate Comfort in Gabès city** *Imen Lassioued, Hasna Abid, Ali Fguiri, Amel Chalbi, Mohamed-Razak Jeday*
11h15 – 11h30	**ID 40. Energy-Efficient Design Synthesis for Robotic Grippers** *Bilel Najlaoui, Mortadha Graa, Zouhaier Affi, Lotfi Romdhane*
11h30 – 11h45	**ID 60. CFD-Based Reconstruction of the Thermal Surface Behavior of PV Panels with PCM** *Abir Bouzid, Ahmed Samet, Ahmed Hammami, Mohamed Haddar*
11h45 – 12h00	**ID 65. Comprehensive Dynamic Modeling and Optimal LQR Control Design for a Quadcopter** *Iheb Mzoughi, Nourhaine Yousfi, Ali Akrout, Mohammed Haddar*
12h00 – 12h15	**ID 84. Overview on sustainable criteria considered in supply chain planning** *Molka Guesmi, Omar Ayadi, Wafa Ben Yahia, Yasmina Hani, Fawzi Masmoudi*

	Room 3. ***Chair : Pr. Maher BARKALLAH & Pr. Lassaad WALHA***
11h00 – 11h15	**ID 38. Data-Driven Optimization of Single Point Incremental Forming Parameters for Steel Matrix Composites Using ANFIS in MATLAB** *Zarrad Ines, Fakhreddine Dammak*
11h15 – 11h30	**ID 58. Artificial intelligence-enhanced PINN thermal modeling of laser scan strategies in Ti-6Al-4V additive manufacturing** *Larbi Yousfi, Amir guizani, Moncef Hammadi, Slim Bouaziz, Mohamed Haddar*
11h30 – 11h45	**ID 66. Optimization of the Fused Deposition Modelling Process Parameter for Better Tensile Strength of Biopolymer-Printed Parts** *Manel Dhouioui, Boutheina Ben Fraj, Hamdi Hentati, Ali Akrout, Mounir Ben Amar*
11h45 – 12h00	**ID 67. Experimental Analysis of Surface Roughness and Crater Morphology in EDM of C45 Steel** *Ikram Messaoudi, Boutheina Ben Fraj, Amal Anizi, Taoufik Kamoun, Walid Meslameni, Hamdi Hentati*
12h00 – 12h15	**ID 75. Offline multi-objective optimization for energy, time and dimensional precision during face milling operation based on Hybrid MOPSO and Genetic Algorithm** *Anoire Ben Jdidia, Taissir Hentati*

12h30 – 14h00	Lunch

Tuesday - December, 23, 2025 – Afternoon

14h00 – 14h45	Plenary Sessions



14h00 – 14h45 - **ONLINE Plenary Session 6** ***-- Chair : Pr. Ali AKROUT***

Professor Fouad ERCHIQUI

Bioplastics and Nanotechnology Laboratory

University of Quebec in Abitibi-Témiscamingue,School of Engineering– Canada

Link: *https://meet.google.com/ixo-oocd-jsf*

14h45 – 16h00	Oral Presentations

	Room 1. ***Chair: Pr. Taissir HENTATI & Pr. Mohamed GUEDRI***
14h45 – 15h00	**ID 1. Comparative study of the pyrolysis of raw sawdust and sawdust contaminated with hydraulic oils and metals: yields and kinetics** *Mariem Ben Salem, Lokmane Abdelouahed, Bechara Taouk, Mohamed Bouaziz*
15h00 – 15h15	**ID 3. Valorization of Solid Waste through Standardized Characterization for Efficient SRF Generation** *Asma Thami, Manel Haddar, Hanen Jrad*
15h15 – 15h30	**ID 4. Characterization of Non-Recyclable Solid Waste as Feedstock for Energy-Efficient SRF** *Manel Haddar, Asma Thami, Hanen Jrad*
15h30 – 15h45	**ID 54. Infrared spectroscopy as a rapid and quantitative tool for assessing the quality of hydrothermally recovered MDF fibers** *Morgan Lecoublet, Rosilei Garcia, Ahmed Koubaa , Alain Cloutier*

	Room 2. ***Chair: Pr. Sana KOUBAA & Pr. Souhir ZGHAL***
14h45 – 15h00	**ID 16. Compression behavior of FDM-printed corrugated-core sandwich structures: A comparative study of PETG, PETG/CF and PETG/CNT materials** *Hana Mellouli, Hanen Mallek, Marwa Allouch, Fakhreddine Dammak*
15h00 – 15h15	**ID 17. Finite element investigation of the flexural response of PETG-based sandwich composites with various core architectures** *Hanen Mallek, Hana Mellouli, Marwa Allouch, Fakhreddine Dammak*
15h15 – 15h30	**ID 49. Numerical analysis of the behavior of 3D-printed sandwich structures under compression load** *Marwa Allouch , Hanen Mallek, Hana Mellouli, Fakhreddine Dammak*
15h30 – 15h45	**ID 81. Modal Analysis of a Floating Photovoltaic System for Evaporation Reduction in Dams: Application to a Multiple Float Platform** *Rania Maktouf, Olfa Kessentini, Mohamed Slim Abbes*

	Room 3. Chair : Pr. Hanen JRAD & Pr. Amir GUIZANI
14h45 – 15h00	**ID 21. Acoustic Fast Defect Detection System for Rotating Machinery: Intelligent Diagnosis Using PSO-Optimized Machine Learning Models** *Kamel Bousnina, Anis Hamrouni, Noureddine Ben Yahia*
15h00 – 15h15	**ID 61. Intelligent Controller Design for DFIG Systems Using a Robust Model-Free Control Strategy** *Helmi Akermi, Maroua Haddar, Ahmed Hammami*
15h15 – 15h30	**ID 64. Intelligent Diagnosis of Gear Pitting Faults Using Combined Time–Frequency Features and Machine Learning** *Mohamed Amine Daly, Ahmed Ghorbel, Nabih Feki*
15h30 – 15h45	**ID 77. Multiscale evaluation of the Quality of Lodgepole Pine Wood After Wildfires Using Destructive and Non-Destructive Tests** *Bilel Bouaziz, Ahmed Koubaa, Philémon Ze Ze, Cyriac Mvolo*
15h45 – 16h00	**ID 78. The impact of fire severity on the acoustic properties of white spruce, lodgepole pine, and trembling aspen** *Matthew Fermin, Philemon Ze Ze, Bilel Bouaziz, Cyriac Mvolo, Jennifer Klutsch, Ahmed Koubaa*

16h00 – 16h30	Coffee Break

16h30 – 17h00	Poster Session

ID 2. Sustainable Energy Recovery from Non-Recyclable Municipal Solid Waste: Toward Circular and Green Technologies *Hanen Jrad, Asma Thami, Manel Haddar*	**ID 10. Nonlinear Modeling of Active Magnetic Bearing Forces under Geometric Defects: Simulation and Analysis** *Abdelileh Mabrouk, Olfa Ksentini, Maroua Hammami, Mohamed Slim Abbes*
ID 12. A wave finite element-based prediction for periodic structures with local perturbations under varying temperature *Sonda Chaabene, Faker Bouchoucha, Mohamed Najib Ichchou*	**ID 15. Non-probabilistic Reliability Analysis of offshore turbine in the presence of several interval variables using a bivariate subinterval method** *Wassim Lafi, Anoire Ben Jdidia , Lassaad Walha*
ID 19. Conceptual Design of a Solar Air Heater with Composite PCM Storage and Enhanced Thermal Insulation for Improved Energy Retention *Wiem Nasri, Zied Driss*	**ID 26. Robustness Analysis of Planetary Gear Systems Using GPC and MC Methods** *Ahmed Ghorbel, Nabih Feki, Mohamed Haddar*
ID 27. Numerical assessment of eco-friendly rubber–aluminum composites for piezoelectric energy-harvesting plates *Abir Bouhamed, Hajer Ellouz, Hanen Jrad*	**ID 29. Deterministic Design Optimization (DDO) for Enhancing the Performance and Reducing the Cost of BGA Solder Joints Under Harmonic Vibration** *Jihen Rebaia, Ahmed Ghorbel, Nabih Feki, Abdelkhalak El Hami*
ID 30. Optimized Design of Tibial Implant Using Finite Element Analysis for Sustainable Orthopedic Applications *Sameh Elleuch, Rihem Nouira, Hanen Jrad*	**ID 37. Finite Element Simulation of Low-Velocity Impact on Flax/PLA Biocomposites Using Abaqus Explicit** *Hajer Daoud, Mohamed Amine Ben Souf, Mohamed Haddar*
ID 42. Enhanced Gear Crack Severity Classification Using a Calibrated Digital Twin and Two-Sensor Data Fusion *Mohamed Habib Farhat, Ayoub Mbarek, Mohamed Yessine Toumi*	**ID 51. Eccentricity-Induced Meshing Power Losses in Spur Gear Drives** *Maroua Hammami, Olfa Ksentini, Ayoub Mbarek, Mohamed Slim Abbes*
ID 55. Load distribution in planetary gear transmission during start up regime *Ayoub Mbarek, Mohamed Habib Farhat, Maroua Hammami, Olfa Ksentini, Mohamed Slim Abbes*	**ID 59. Aerodynamic Effects Assessment on the Dy-namic Behavior of Greenhouse Air Circulation Blower Blades** *Majdi Yangui, Houssem Cheniour, Slim Bouaziz, Mohamed Haddar*
ID 63. Physically Informed Prediction of Temperature in Solar Thermal Applications *Maroua Haddar, Ahmed Hammami*	**ID 71. Comparative Evaluation of NDT Methods for FCAW Joints: Conventional UT, Phased Array, and Radiography** *Farid Takali, Cherif Othmani, Amira Maswra, Anouar Njeh*
ID 73. Mechanical Behavior and Damage Mechanisms of Wood-Fiber Bio-Based Biocomposites: Ultrasonic Evaluation techniques *Neirouz Laadhari, Maroua Haddar, Mohamed Amine Ben Souf, Ahmed Koubaa*	**ID 76. Impact of Design Parameter on the Modal Behavior of Laminated Spindle Using the Equivalent Single Layer Theory** *Salwa Benali, Taissir Hentati, Slim Bouaziz*
ID 82. Performance Assessment of Nonlinear Vibration Absorbers Under Different Friction Models *Amal Hammouda, Ahmed Ghorbel, Fathi Djemal, Nabih Feki*	**ID 83. Analysis of the influence of natural fibre intrinsic constituents on the fatigue performance of WPC materials** *Farah Gmati, Maroua Haddar, Lotfi Toubel, Ahmed Koubaa, Mohamed Amine Ben Souf*

17h00 – 18h30	ONLINE Session

	ONLINE* Session - Room 1.** ***Chairs : Pr. Ali AKROUT & Pr. Nabih FEKI Link: https://meet.google.com/yfs-iqyd-wbk
16h45 – 17h00	**ID 7. Impact of heat treatments on the mechanical properties of 6061 T4 and T6 alloys** *Dorra Abid, Hasna Abid, Nader Haddar*
17h00 – 17h15	**ID 68. Experimental Modal Analysis of a Cycloidal Gerotor Pump** *Zied Abdelmoula, Ahmed Hammami, Emiliano Mucchi, Mattia Battarra*
17h15 – 17h30	**ID 69. Numerical analysis the effect of material ratio in the periodic core of 3D printed biocomposite sandwich beams** *Mohamed Amine Ajmi, Zouhaier Jendli, Abderrahim El Mahi, Mohamed Amine Ben Souf*
17h30 – 17h45	**ID 70. Integration of Mechanical Engineering and Circular Economy: Solutions for Energy Recycling in Industrial Plants** *Yaser Mahmood, Ahmed Rakan Altyar, Mohamed Taktak*
17h45 – 18h00	**ID 74. Comparative Analysis of Single-Tooth and Three-Tooth Models for Mesh Stiffness Evaluation in Polymer Spur Gears** *Mohamed Chouaieb, Abderrahim Baccar, Ahmed Hammami*
18h00 - 18h15	**ID 79. Contribution to the study of the dynamic behavior of a camshaft in an internal combustion engine** *Sana Netta, Ahmed Hammami, Mohamed Haddar*

	ONLINE* Session - Room 2.** ***Chair: Pr. Slim BOUAZIZ & Pr. Hichem HASSINE Link: https://meet.google.com/kcr-zwtc-dko
16h45 – 17h00	**ID 11. A study on Temperature Evolution of CFRP/Al Stack Composites During Drilling Operations** *Sami Ghazali*
17h00 – 17h15	**ID 24. Valorization of Forest Residues in Biochar-Based PLA Composites for Green Innovation and Thermal Insulation Applications** *Faouz Zrafi, Flavia Braghiroli, Ahmed Koubaa, Martin Beauregard, Mohamed Amine Ben Souf, Sofiane Guessasma*
17h15 – 17h30	**ID 33. Web-Based In-Process Quality Control in Pharmaceutical Manufacturing** *Mariem Belghith, Hager Triki, Hassen Trabelsi*
17h30 – 17h45	**ID 36. Study of the Influence of Bio-fillers and Bioplastic on the Physicochemical Properties of Biocomposites** *Laura Ceron, Margaux de Poli, Flavia Lega Braghiroli, Ahmed Koubaa, Martin Beauregard, Camille Dumat*
17h45 – 18h00	**ID 52. Comparative Study of Biomass Type and Furnace on Biochar Production** *Laura Ceron Daza, Mathis Sparano, Flavia Lega Braghiroli, Ahmed Koubaa, Boris Djousse, Federico Galli*
18h00 - 18h15	**ID 56. Predicting the Elastic Behavior of Heterogeneous Materials Using Numerical 3D RVE Generation and Homogenization: Application to Glass Fiber Reinforced Polymer Composites** *Anis Abdallah, Taoufik Nasri, Ali Akrout, Toufik Kanit, Ahmed Ammar*

	***ONLINE* Session - Room 3. Chair: Pr. Mohamed Amine BEN SOUF & Pr. Hassen TRABELSI** Link: https://meet.google.com/kbk-deiu-ews
16h45 – 17h00	**ID 22. Mechanical Characterization of a 3D-Printed Anti-Trichiral Composite Structure** *Anis Hamrouni, Kamel Bousnina, Jean-Luc Rebiere, Abderrahim El Mahi, Moez Beyaoui*
17h00 – 17h15	**ID 25. PCM-Based Heat Sink Design Optimization for EV Batteries: A Reliability Approach** *Bessem Debich, Fatma Abid, Lassaad Walha, Abdelkhalak El Hami*
17h15 – 17h30	**ID 28. Damping identification using long-short term memory in spur pair Gear System** *Nourhaine Yousfi, Ali Akrout, Lassaad Walha, Mohamed Haddar*
17h30 – 17h45	**ID 47. Life Cycle Assessment and Biodegradation of Cellulose Bio-Based Biocomposites** *Eya Marouani, Asma Khouaja, Patrick Fauber , Pierre-luc Dessureault, Ahmed Koubaa*
17h45 – 18h00	**ID 57. Machine Learning Prediction of Mechanical Properties in Cellular Materials Using Regression Models** *Khawla Essassi, Anas Bouguecha*
18h00 - 18h15	**ID 80. Integrating Dynamic Modeling and Machine Learning for Gearbox Fault Detection** *Manel Dhifallah, Ahmed Hammami, Nesrine Ben Yahia, Maroua Haddar, Hassen Trabelsi*

Wednesday - December, 24, 2025 – Morning

9h00 – 10h00 Oral Presentations

	Room 1. Chair : Pr. Moez ABDENNADHER & Pr. Fathi DJEMAL
09h00 – 09h15	**ID 9. Energy conversion of a novel double pendulum harvester at free and forced oscillations** *Seif Eddine Chebbi, Charfeddine Mrad, Fethi Aloui, Rachid Nasri*
09h15 – 09h30	**ID 44. Numerical Fluid-Induced Vibration Analysis of a Multistage Submersible Centrifugal Pump** *Mohaned Djedidi, Soussi Hela, Hatem Mrad*
09h30 – 09h45	**ID 48. Modeling and Simulation of Full Controlled Car Suspension** *Mortadha Graa, Bilel Najlaoui, Zouhaier Affi and Lotfi Romdhane*
09h45 – 10h00	**ID 50. Efficient compressive sensing for machinery vibration signals** *Imen Tounsi, Fadi Karkafi, Mohammed El Badaoui, François Guillet*

	Room 2. Chair : Pr. Moez BEYAOUI & Pr. Hamdi HENTATI
09h00 – 09h15	**ID 20. Biomechanical Performance Assessment of Bio-sourced Composite Prosthetic Sockets via Finite Element Analysis** *Neji RABHI, Najiba AMEUR, Faouzi SLIMANI, Samir GHANMI, Mohamed GUEDRI*
09h15 – 09h30	**ID 23. Fabrication and Four-Point Flexural Characterization of PLA Biocomposites Reinforced with Untreated Jute and Raffia Fibers** *Amer TOUNSI, Faouzi SLIMANI, Neji RABHI, Samir GHANMI, Mohamed GUEDRI*
09h30 – 09h45	**ID 41. Controlling porosity via layer rotation angle in laser powder bed fusion** *Nada Hassine, Sami Chatti, Lioua Kolsi*
09h45 – 10h00	**ID 46. Ultrasonic Non-Destructive Characterization of Defects and Damage in Cellulose-Based Biocomposites** *Asma Khouaja, Loïs Martineau, Ahmed Koubaa*

10h15 – 11h15 Oral Presentations

	Room 1. Chair: Pr. Mohamed Slim ABBES & Pr. Mohamed Amine BEN SOUF
10h15 – 10h30	**ID 5. Finite Element Modeling of Coupled Elastic–Acoustic–Poroelastic Systems** *Walid Larbi*
10h30 – 10h45	**ID 6. Stretching of a conical hyperelastic membrane under an internal pressure: A numerical modelling** *Wiem DELDOUL, Jamel Chakhari, Charfeddine Mrad*
10h45 – 11h00	**ID 32. Dynamic modeling of an electronic board with a mounted component for preliminary design** *Ghazoi HAMZA*
11h00 – 11h15	**ID 53. Numerical and experimental buckling analysis of TPMS Gyroid and Primitive structures** *Meriem Belhadjamor, Chaima Romdhane, Mohamed Ben Bettaieb, Salah Mezlini, Farid Abed-Meraim*

	Room 2. ***Chair: Pr. Mohamed TAKTAK & Pr. Zoubeir BOUAZIZ***
10h15 – 10h30	**ID 43. Numerical Investigation of the Friction Sensitivity of a Bio-Inspired Texture to the Tribological Parameters** *Fatma Elwasli, Slah Mzali, Salah Mezlini*
10h30 – 10h45	**ID 45. Experimental Validation of a Multi-Sensor System for Monitoring Connected Pumping Operations** *Sirine El Mnif, Mouna Baklouti, Hatem Mrad*
10h45 – 11h00	**ID 62. Vibration-Based Condition Monitoring of a centrifugal compressor in Industrial Gas Production** *Zied Ktari, Hatem Slimane, Youssef Kacem*
11h00 – 11h15	**ID 72. Cavitation phenomenon effect on marine propellers: Material effect based on CFD simulation** *Jihen Chemingui, Aouatef Ladhari, Najeh Ben Guedria*

11h15 – 11h45	Closing Ceremony
12h30 – 14h00	Lunch