

Planning IEEE ICETC 2025 Conference (draft)

Date	Start	End	Title	Location	
23/06/2025	8:00:00	9:00:00	Welcome Breakfast	PN2B HALL	(142 seats)
	9:00:00	9:30:00	Welcoming address		
	9:30:00	10:30:00	Keynote Address - Chip-Wise DSSS-FTN Signaling with time-varying random sequences - A promising solution for covert communications , Pascal CHEVALIER	PN2B AMPHI	
	10:30:00	11:00:00	Coffee break	PN2B HALL	
	11:00:00	12:30:00	Cybersecurity		(41 seats)
	11:00:00	11:20:00	<i>Arabic and English SMS Spam Detection Using Machine Learning</i> , Musab Al-Ghadi, Hashemite University	PN2B AMPHI	
	11:20:00	11:40:00	<i>Automatic Identification System: Security challenges, mitigation strategies and future trends</i> , Isadora Garcia Ferrao, David Espes, UBO	PN2B AMPHI	
	11:40:00	12:00:00	<i>ClassHeatFlow: Interpretable Probabilistic Classification via Heatmap Visualization for AIS Radio Frequency Fingerprinting</i> , Erwan Alincourt, Chaire de cyberdéfense des systèmes navals, Lab-STICC	PN2B AMPHI	
	12:30:00	13:30:00	Lunch	PN2B HALL	
	13:30:00	14:00:00	Poster presentation and Industrial Exhibition		
			<i>Time Reversal in Ray Tracing Indoor Radio Propagation Channel for Physical Layer Security</i> , Lap Phuong Uyen Nguyen, ROLAND GAUTIER, Philippe Rostaing	PN2B TD2	
			<i>Tracing Dependency Dynamics in the Maven Ecosystem</i> , Eashan Murlidhar Joshi, Neha Manish Vanjara, Eman Abdullah AlOmar, Mohamed Wiem Mkaouer, Mohamed Touati, Amal Chaaben	PN2B TD2	
	14:00:00	15:00:00	Keynote Address - Quantum communication, fundamentals, and technology trends , Kamel BESBES, Professor	PN2B AMPHI	
	15:00:00	15:30:00	Coffee break	PN2B HALL	
	15:30:00	17:00:00	Cloud & Edge Computing		
	16:30:00	16:50:00	<i>Multivariate Aggregated Ranking Score: A Lightweight and Greedy Ranking Model for Web Search</i> , Mohamed Wiem Mkaouer, University of Michigan [Flint]	PN2B AMPHI	
	15:30:00	17:00:00	Cybersecurity		
	15:30:00	15:30:00	<i>DNA Data Storage Security: How to Detect a DNA Pool Has Been Copied</i> , Hélène Gasnier, IMT Atlantique	PN2B AMPHI	
	15:50:00	15:50:00	<i>HawkSec: an AI transformer solution to malware detection in C/C++ source codes</i> , Mustapha Khairan GHLISS, IMT Atlantique - Salam Doumiati, Laboratoire ISEN - Yehya Nasser, IMT Atlantique	PN2B AMPHI	
	16:10:00	16:30:00	<i>Unstripping Cloud Container ELF binaries</i> , Jonathan Brossard, CNAM	PN2B AMPHI	
	17:00:00	18:30:00	Workshop A (TBC)	PN2B AMPHI	
24/06/2025	8:30:00	9:30:00	Keynote Address - Geometric and end-to-end robot vision-based control , François CHAUMETTE	PN2B AMPHI	
	9:30:00	10:30:00	Robotics and autonomous vehicles		
	9:30:00	9:50:00	<i>Advancements in integrating AI with geospatial data for autonomous navigation of land vehicles</i> , Manel Salhi, National Engineering School of Tunis	PN2B AMPHI	
	9:50:00	10:10:00	<i>Evolutionary Single Shot Tokenized GAN for Simulation Environment Generation and Fault Detection</i> , Charbel Aoun, ICAM	PN2B AMPHI	
	10:10:00	10:30:00	<i>On the Instability of Software Dependency Graphs: A Maven Case Study</i> , Mohamed Wiem Mkaouer, University of Michigan [Flint]	PN2B AMPHI	
	10:30:00	11:00:00	Coffee break	PN2B HALL	
	11:00:00	12:30:00	AI & mathematical modeling		
	11:00:00	11:20:00	<i>A Taxonomy for Sentiment Analysis on Social Networks: : AI Approaches and Synthesis</i> , Dalila Mekhzoumi, Univesité de Béjaïa	PN2B AMPHI	
	11:20:00	11:40:00	<i>Automated Identification of Machine Learning Technical Debt Code Comments</i> , Mohamed Wiem Mkaouer, University of Michigan [Flint]	PN2B AMPHI	
	11:40:00	12:00:00	<i>Numerical Study of Wind-driven Natural Ventilation in Lagos</i> , BLAISE NSOM, IRDL	PN2B AMPHI	
	12:00:00	12:20:00	<i>Secondary Education in the Age of Artificial Intelligence Between Opportunities and Risks</i> , Hammoud Hadia, University of Tripoli	PN2B AMPHI	
	12:30:00	13:30:00	Lunch	PN2B HALL	
	13:30:00	15:00:00	Poster presentation and Industrial Exhibition		
			<i>Autonomous Underwater Swarms: docking problem and control strategies</i> , Titouan BELIER, Lionel Lapierre	PN2B TD2	
			<i>Underwater Object Manipulation by a Fleet of Robots via an Overconstrained Tensegrity Structure</i> , Taddeo Guerin, Viel Christophe, Lionel Lapierre	PN2B TD2	
			<i>AI-based Human Detection in Indoor Environments using IR-UWB radar</i> , Zaynab Baydoun, Roua Youssef, Emanuel Radoi, Stéphane Azou, Tina Yaacoub	PN2B TD2	
			<i>Analysis of Necessary Optimality Conditions for Impulsive Lotka-Volterra Control Systems</i> , Paulin Bruneau, Piernicola Bettiol, Jérémy Rouot	PN2B TD2	
	15:00:00	15:30:00	Coffee break	PN2B HALL	
	15:30:00	17:00:00	AI & mathematical modeling		
	15:30:00	15:50:00	<i>Self-Attention Mechanism in Multimodal Context for Banking Transaction Flow</i> , Cyrile Delestre & Yoann Sola, Crédit Mutuel Arkéa	PN2B AMPHI	
	15:50:00	16:10:00	<i>Transient Flow Dynamics over a Bed Drop Integrating the CFD and Machine Learning Models</i> , Alireza Khoshkonesh, IRDL	PN2B AMPHI	
	16:10:00	16:30:00	<i>Unsupervised Dendrogram Text Index and Search using Hierarchical Clustering</i> , Aoun Charbel, ICAM	PN2B AMPHI	
	17:00:00	18:30:00	Wokshop B (TBC)	PN2B AMPHI	

25/06/2025	8:30:00	9:30:00	Keynote Address - Renewable Energy Systems: Current Status in the World and Prospects , Soteris A. KALOGIROU	PN2B AMPHI	(27 seats)
	9:30:00	10:30:00	Renewable energy and green technology		
	9:30:00	9:50:00	<i>Command approach of a typical double-stage grid-connected PV system under NOM and SGVD</i> , Nejib Hamrouni, Laboratory of Analysis and Treatment of Energetic and Electric Signals and Systems	PN2B AMPHI	
	9:50:00	10:10:00	<i>Command of a connected PV system under grid faults</i> , Nejib Hamrouni, Laboratory of Analysis and Treatment of Energetic and Electric Signals and Systems	PN2B AMPHI	
	10:10:00	10:30:00	<i>Home Energie Management System for Scheduling Appliances with New Metaheuristic</i> , Meriem louknane, Laboratory of LIMED	PN2B AMPHI	
	10:30:00	11:00:00	Coffee break	PN2B HALL	
	11:00:00	12:30:00	Computer Vision		
	11:00:00	11:20:00	<i>A Deep Dive Assessment into Recent YOLO Models Efficiency and Robustness for Agricultural Dense Scene Analysis : A Wheat Head Study Case</i> , KHALIL KHAZMI, ENIT	PN2B AMPHI	
	11:20:00	11:40:00	<i>FLARE: Federated Learning Attack via Robust Expectation-based backdooring using GAN</i> , Hichem FARAOUN, IMT Atlantique	PN2B AMPHI	
	11:40:00	12:00:00	<i>Modified Combined Mobilenet for tomato leaf disease classification</i> , Mohamed Jawher Bahrouni, ENIT	PN2B AMPHI	
	12:00:00	12:20:00	<i>ThermaMal: Multi-Agent Behavioral Heatmapping for Efficient Malware Detection Using Convolutional Neural Networks</i> , Dhiya Eddine ABID, Université Tahri Mohamed Bechar	PN2B AMPHI	
	12:30:00	13:30:00	Lunch	PN2B HALL	
	13:30:00	15:00:00	IoT and Industry 4.0		
	13:30:00	13:50:00	<i>Development of Lora Sensor Network for Real-time Dissolved Oxygen Monitoring in Aquaculture</i> , Le-Ngoc Tran, INDUSTRIAL UNIVERSITY OF HCM CITY	PN2B AMPHI	
	13:50:00	14:10:00	<i>Driving Sustainable Logistics Performance through the Integration of Industry 4.0 Technologies</i> , Taycir Ben Abid, OASIS ENIT & Northern Border University, Saudi Arabia	PN2B AMPHI	
	14:10:00	14:30:00	<i>Embedding Sustainability in ArchiMate: A Model-Driven Threshold-Based Approach for Early Noncompliance Detection</i> , Jad Moussa & Wael AL-DEEB, UBO	PN2B AMPHI	
	14:30:00	14:50:00	<i>Green-Pow: Power Modeling and Estimation of Software Applications for Embedded Processors</i> , Abdelsalam Baltagi, IMT Atlantique - Yehya Nasser, IMT Atlantique	PN2B AMPHI	
	13:30:00	15:00:00	Image and signal analysis		
	13:30:00	13:50:00	<i>Complex-Valued Symmetric Series Convolutional Network for Ultrasound Super-Resolution Image Reconstruction</i> , AHMED BENTALEB, IMT Atlantique	PN2B TD1	
	13:50:00	14:10:00	<i>Deep Learning for Benign/Malignant Classification of Breast Cancer Histopathological Images</i> , Wiem Ghezaiel, sofiane habboubi, fouzi benzarti	PN2B TD1	
	14:10:00	14:30:00	<i>A convolutional Hybrid Model of Parametrization in Speech Recognition</i> , Khaireddine Salhi, Laboratory (ATSSEE), Faculty of Sciences, University of Tunis, Tunisia	PN2B TD1	
	14:30:00	14:50:00		PN2B TD1	
	15:00:00	15:30:00	Coffee break	PN2B HALL	
	15:30:00	17:00:00	IoT and Industry 4.0		
	15:30:00	15:50:00	<i>Machine learning-based corrosion rate prediction for zinc and steel using real-time corrosion sensors in accelerated corrosion test conditions</i> , Johan Becker, Institut de la Corrosion	PN2B AMPHI	
	15:50:00	16:10:00	<i>PID Controller Tuning for Crude Oil Dilution in Palm Oil Mill Using Particle Swarm Optimization</i> , Enda Enda Wista Sinuraya & Iwan Setiawan, Diponegoro University	PN2B AMPHI	
	16:10:00	16:30:00	<i>Reemerging & Emerging Epidemics Monitoring via Educational Outreach & Safe Data in Sustainability</i> , Zair BOUZIDI, Université de Béjaia	PN2B AMPHI	
	16:30:00	16:50:00	<i>Antennas dedicated to the dielectric characterization of concrete structures</i> , Benjamin Mugabo, LabSTICC	PN2B AMPHI	
	15:30:00	17:00:00	Image and signal analysis		
	15:30:00	15:50:00	<i>Detection and Classification of cardiovascular arrhythmia (ECG) using Deep Learning Algorithms (CNN1D)</i> , Mohamed Amin Gader, ENI sfax & Karmani Sourour, Faculty of sciences of Monastir	PN2B TD1	
	15:50:00	16:10:00	<i>Hybrid Neural Architecture for Enhanced ECG Classification: Integrating Parallel Convolutional, State Space, and Sequential Learning</i> , Najia Mechichi, ENSIT, LR-SITI	PN2B TD1	
	16:10:00	16:30:00	<i>Analysis of blood cell images to aid in medical diagnosis and disease prediction using AI</i> , Hadia MANSOURI, Faouzi BENZARTI, Aya CHAKROUN	PN2B TD1	
	16:30:00	16:50:00		PN2B TD1	
	17:00:00	18:00:00	Poster presentation and Industrial Exhibition		
			<i>Deep Learning Based Algorithm Selection Approach for Underwater Image Processing</i> , Nihitha Malayarukil, Hai Nam Tran, Barbara Dzaja, Vincent Rodin	PN2B TD2	
			<i>Implementation and evaluation of the AKAZE algorithm in SYCL for multicore</i> , Sonia Haddouche, Erwan Fabiani, Loïc Lagadec, Franck Danober, Robin Lembach, Christophe Guillet	PN2B TD2	
			<i>Applications of Augmented Reality in Higher Education: An Interactive Experience and Digital Transformation in Smart Learning Environments</i> , Mohammed Odeh	PN2B AMPHI	
	19:45:00	22:30:00	Gala dinner	OCEANOPOLIS	
26/06/2025	8:30:00	9:30:00	Keynote Address - Software Refactoring: Challenges and Opportunities in the Era of Artificial Intelligence , Mohamed Wiem Mkaouer	PN2B AMPHI	
	9:30:00	10:30:00	Poster presentation and Industrial Exhibition	PN2B TD2	
	10:30:00	11:00:00	Coffee break	PN2B HALL	
	11:00:00	12:30:00	Round table discussions, Wrap-Up and closing	PN2B AMPHI	
	12:30:00	13:30:00	Lunch	PN2B HALL	