

ICETC 2026 Conference Planning

Apr. 23, 2026

TIME	TYPE	EVENT
08:30 -	Registration	Onsite registrations
09:30 - 10:00	Intervention	Welcoming Address
10:00 - 10:30	Intervention	Scientific research and scientific entrepreneurship - Pr Chedly ABDELLEY, ANPR Director
10:30 - 11:30	Keynote	High resolution 3D Optical Underwater Imaging with Applications - Pr Junyu DONG
11:30 - 11:45	Coffee break	
11:45 - 12:45	Session	Computer Vision - Chairs : Laurent Nana, Hamid Amiri
11:45 - 12:05		› Scaling Self-Attention-Based Vision Transformers for Binary Polyp Classification in Wireless Endoscopy Images - <i>Majdi Elhajji, Institut Supérieur des Sciences Appliquées et de Technologie de Kasserine</i>
12:05 - 12:25		› Leveraging Deep Learning for Writer Identification in Handwritten Historic Arabic Documents - <i>Zeina El Ayoubi, Lebanese American University</i>
12:25 - 12:45		› Early Diagnosis of Skin Cancer Using Image Processing and Artificial Intelligence - <i>Nouh Boussif, National Higher School of Engineers of Tunis (ENSIT) - Mounir Sayadi, University of Tunis, Ecole Nationale Supérieure d'ingénieurs de Tunis, Research Laboratory SIME « SIGNAL, IMAGE ET MAITRISE DE L'ENERGIE », Tunisia</i>
12:45 - 13:45	Lunch	
13:45 - 14:20	Session	Computer Vision - Chairs : Hamid Amiri, Laurent Nana
13:45 - 14:05		› Authentic vs. Synthetic Unbalanced Data in Face Recognition: Investigating Source and Loss Function Interaction - <i>Mohamed mehdi Ayeche, HANALAB Laboratory</i>
14:05 - 14:20		› Vehicle License Plate Detection and Recognition: A Comparison of YOLOv8 and YOLOv11 Models with Kalman Filter Integration - <i>Safa Issaoui, USTHB (Université des sciences et de la technologie Houari-Boumediène)</i>
14:20 - 15:20	Session	Image & Signal Analysis – Chairs : Adnen Cherif, Mounir Sayadi
14:20 - 14:40		› Neural Network and Digital Signal Fitting for Optimal NaI(Tl) Performances - <i>Salma BEDOUI, Monastir University, Faculty of Science of Monastir, LPQS laboratory</i>
14:40 - 15:00		› Partial-Update Adaptive Filtering for Air-to-Ground Communication Enhancement - <i>Akila Sayoud, LCPTS Laboratory, Faculty of Electrical Engineering, USTHB University, Algiers, Algeria.</i>
15:00 - 15:20		› Automatic Melanoma Detection Using Deep Learning on Dermoscopic Images - <i>Ahlem BEN AMMAR, SITI Laboratory, National Engineering School of Tunis (ENIT)</i>
15:20 - 15:40	Coffee break	
15:40 - 16:20	Session	Image & Signal Analysis – Chairs : Mounir Sayadi, Adnen Cherif
15:40 - 16:00		› SNR-Guided Adaptive Hybrid Frame Work For Robust Hands-free Speech Enhancement - <i>Rahima Henni, LCPTS Laboratory, Faculty of Electrical Engineering, USTHB University, Algiers, Algeria.</i>
16:00 - 16:20		› Robust Speech Enhancement Using a Neuronal Complex Magnitude and Phase Model: A Multi-Noise Comparative Analysis - <i>Mahrez Benneila, Labo Signal, Images et Technologies de l'Information (LR-SITI-ENIT) - Salah Hadji, labo of nano-materials and Energy(lanser) - Mohamed Anouar Ben messoud, LR-SITI-ENIT</i>
16:20 - 17:40	Session	Renewable energy & Green technology – Chairs : Jean Vareille, Mohamed Abbes
16:20 - 16:40		› Materials Choice Satisfying Planetary Boundaries - <i>Jean VAREILLE, University of Brest, Lab-STICC (UMR CNRS 6285), Computer Science Department</i>
16:40 - 16:55		› Advanced Control Strategy for a Grid-Connected Hybrid System with Flywheel Energy Storage - <i>Zaafouri Marwen, ATEESS - Marweni Rym, ATEESS - Nejib Hamrouni, ATEESS</i>
16:55 - 17:10		› Efficient hybrid control of a three-phase voltage inverter driving a standalone solar water pump - <i>Zaafouri Marwen, ATEESS - Rim Marweni, ATEESS - Nejib Hamrouni, ATEESS</i>
17:10 - 17:25		› Electrical Study of the Mixed Perovskite Compound $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CdCuCl}_4$ - <i>Ramzi Lefi, Aymen Selmi, Hajer Guermazi</i>
17:25 - 17:40		› Synthesis and Effect of Cadmium Substitution on the Electrical Properties of the $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CuCl}_4$ Compound - <i>Ramzi Lefi, Ramzi Lefi, Hajer Guermazi</i>
17:40 - 18:30	Speech	Workshop A (TBC)

Apr. 24, 2026

TIME	TYPE	EVENT
08:30 - 09:30	Keynote	NBIC technologies are transforming the medical doctor into an engineer - Pr Abdennaceur KACHOURI
09:30 - 10:30	Session	AI & Mathematical Modeling - Gerd Dethloff, Abdennaceur Kachouri
09:30 - 09:50		› Development of a Prediction and Analysis Model for Drinking Water Quality Using Machine Learning Techniques - <i>Chaima Hammami, Hammami, National High School of Engineering of Tunis, ENSIT, National Engineering School of Tunis, Tunis El Manar University</i>
09:50 - 10:10		› Integrating Artificial Intelligence into ArchiMate-GNS3 Co-Simulation for Cybersecurity Analysis - <i>Wael Al Deeb, LAB-STICC, Institut Catholique d'Arts et Métiers</i>
10:10 - 10:30		› Hybrid MOOC dropout prediction model based on learner motivation and satisfaction - <i>Jebnoui Sabra, HANA Laboratory, National School of Computer Science, Tunisia</i>
10:30 - 11:00	Break	Coffee break
11:00 - 11:40	Session	AI & Mathematical Modeling - Abdennaceur Kachouri, Gerd Dethloff
11:00 - 11:20		› The Evolution of Convolutional Neural Networks for Image Classification and Object Detection: A Concept-Driven Survey (1998–2026) - <i>Ghaith Braham, Chair of Transport Systems and Logistics Faculty of Engineering University of Duisburg–Essen - Mohamed Touati, University of Brest</i>
11:20 - 11:40		› HIAN : Hybrid Involution-Attention Network for ECG Segment Classification - <i>Najia Mechichi, Ecole Nationale Supérieure d'ingénieurs de Tunis, Laboratoire de recherche SITI, Tunis</i>
11:40 - 12:15	Session	Robotics & Autonomous vehicles - Mohamed Anouar Ben Messaoud, Aissi Salim
11:40 - 12:00		› Advanced Secure Intelligent Autonomous Navigation for Land Vehicles - <i>Manel Salhi, National Engineering School of Tunis, University Bretagne Occidentale, Brest</i>
12 :00-12 :15		› Synchro-SSM: Hierarchical, Physics-Decomposed, - <i>Mohamed Aziz Aguil, National Engineering School of Tunis, LR-SITI</i>
12:30 - 13:30	Break	Lunch
13:30 - 14:20	Panel	Poster Presentation and Industrial Exhibition - Chairs : Jean Vareille, Mohamed Salah Salhi
14:20 - 15:00	Session	Biomedical Engineering & Health Informatics - Zied Lachiri, Mohamed Anouar Ben Messaoud
14:20 - 14:40		› Development of a Combined Hovorka-Bergman Model for Physiological Modeling of Glycemic Control in Type 1 Diabetes - <i>SALIM AISSI, University of Batna 2, LEB laboratory, Department of Electronics.</i>
14:40 - 15:00		› From convolution to attention for blood cells analysis - <i>Hadia MANSOURI, engineering school of Tunis , laboratory SITI - ENIT</i>
15:00 - 15:30	Break	Coffee break
15:30 - 16:10	Session	Smart Agriculture - Aissi Salim, Lassaad Latrach
15:30 - 15:50		› Comparative Evaluation of State-of-the-Art Deep Learning Models for Multi-Class Wheat Disease Classification - <i>KHALIL KHAZMI, Ecole Nationale d'ingénieurs de Tunis</i>
15:50 - 16:10		› Crop Yield Analysis and Predictions Using Traditional and Machine Learning Models - <i>Muhammad Javed Iqbal, Computer Science, Taxila</i>
16 :10-16 :30		› Hybrid Combined MobileNet: A Parameter-Efficient Architecture for Tomato Disease Detection - <i>Mohamed Jawher Bahrouni, National Engineering School of Tunis, Tunis El Manar University</i>
16:30 - 18:00	Speech	Workshop B (TBC)

Apr. 25, 2026

TIME	TYPE	EVENT
08:30 - 09:30	Keynote	Multimedia content protection - Pr William PUECH
09:30 - 10:50	Session	Cybersecurity & Physical Layer Security - William Puech, David Espes
09:30 - 09:50		› A Hybrid Intrusion Detection System for Zero-Day Attack Detection in IIoT Networks - <i>Musab Al-Ghadi, The Hashemite University</i>
09:50 - 10:10		› Manifold Projection Shield: Autoencoder defense for maritime vessel classification - <i>Isadora Garcia Ferrao, Département Electronique - UFR Sciences et Techniques - Université de Brest</i>
10:10 - 10:30		› Federated Learning to Preserve Privacy in Web Attacks Classification - <i>SIHAM BENSIMESSAOUD, University of Science and Technology Houari Boumediene (USTHB), Research Center for Scientific and Technical Information (CERIST)</i>
10:30 - 10:50		› A New Cryptography Scheme for Color Images Using MJEA Algorithm - <i>Jamal Bani Salameh, Computer Engineering Department</i>
10:50 - 11:20	Coffee break	
11:20 - 12:05	Session	Cybersecurity & Physical Layer Security - Laurent Nana, William Puech
11:20 - 11:35		› A Hybrid Ensemble Learning Framework for GPS Spoofing Detection in Electronic Monitoring Bracelets - <i>Musab Al-Ghadi, The Hashemite University [Zarqa]</i>
11:35 - 11:50		› Automated Risk-Based Prioritization of CIS Benchmark Compliance Using Contextual Metrics - <i>Abdulaziz Ahmed Hosamalddin, Abdullah Alshammari, Khalid Almulaifi - Computer Engineering Department, College of Engineering, Al Yamamah University</i>
11:50 - 12:05		› Proactive Defense Mechanisms Against Golden Ticket Attacks in Enterprise Active Directory Systems - <i>Ibrahim Obeidat, The Hashemite University [Zarqa]</i>
12:05 - 12:35	Session	IoT & Industry 4.0 - Mohamed Salah Salhi, Roland Gautier
12:05 - 12:20		› Designing IOPA a new Privacy and Authentication Framework - <i>Afnan Alsaleh, Al-Yamamah University</i>
12:20 - 12:35		› Kalman Filter-Based Predictive Beamforming for High-Mobility V2X Systems - <i>Adel Kouki, École Nationale des Sciences de l'Informatique [Manouba]</i>
12:35 - 13:05	Panel	Panel Session & Industrial Stand - Poster Presentation and Industrial Exhibition - Chairs : Jean Vareille, Mohamed Salah Salhi
13:05 - 14:05	Break	Lunch
14:15 - 15:15	Round Table	Round table discussions, Wrap-up and closing
19:45 - 22:30	Gala	Closing Gala