

2026 International Symposium on Electronics and Telecommunications (ISETC)

17th edition · **ISETC 2026** takes place 4–6 November 2026 in Timișoara, Romania.

4–6 Nov 2026	17th	121	3 + 3
Timișoara, Romania	edition	accepted papers	tracks and workshops

ABOUT THE SYMPOSIUM

ISETC brings together researchers and industry professionals working in electronics, telecommunications and information technologies. The symposium is a forum for emerging scientific ideas and research methods, for the latest results and applications, and for building partnerships between academia and industry.

The symposium is organized by the **Faculty of Electronics, Telecommunications and Information Technologies**, Politehnica University of Timișoara, together with the **Association of Electrical Engineers from Timișoara (AIET)**.

Technical sponsors: IEEE and Technical Sciences Academy of Romania (ASTR). **Under the aegis of:** IEEE Romania Section, Romanian Foreign Intelligence Service (SIE) and SPIE Student Chapter, Politehnica University of Timișoara. **Industry sponsors:** Nokia, Orange, Schaeffler, Magna, FORVIA HELLA, Aumovio, NXP, Hamilton, Flex, HTEST, ZF, Lasting Software, NovoViz, AlfaTest and Honeywell Technologies.

TRACKS AND WORKSHOPS

Electronics

Semiconductors and ICs, FPGA, power electronics, instrumentation, EMC, biomedical applications

Telecommunications

Signal processing, antennas and propagation, networks, IoT, 5G, satellite communications, security

Information Technologies

Machine learning, computer vision, medical imaging, NLP, open education, robotics, AI applications

Industry Workshop

Communication technologies & IoT, automotive trends, smart manufacturing

IPCEI Workshop

With Aumovio, NXP and Bosch

Educational Workshop

Annual summit of electronics and telecommunications faculties

PLENARY SPEAKERS

Andrei Ardelean
Co-founder & CTO, NovoViz
Single-photon imaging: from science to industry

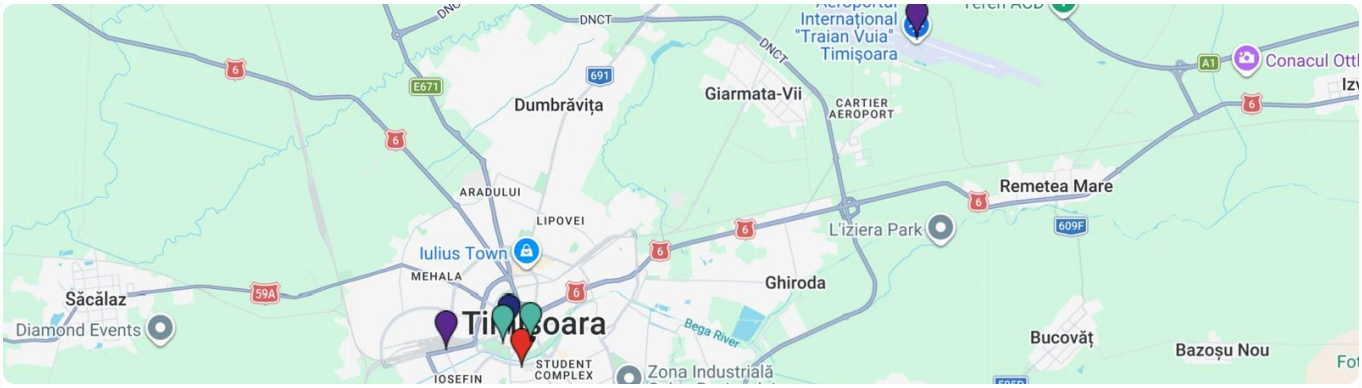
Rareș-Nicolae Rodean
Orange 5G Lab, Orange Romania
Orange Romania Innovation Ecosystem

Radu Preda
NXP Semiconductors Romania
Trusted Physical AI Systems

Petru Demian
Head of AOT EU PM RO, AUMOVIO Technologies România
Microelectronics Ecosystem Forum: from research to industry through IPCEI

VENUE

UPT Library (Central Library of Politehnica University of Timișoara)
Bd. Vasile Pârvan No. 2B, 300223 Timișoara, Romania
Rooms: Auditorium, K1, K2 and Multipurpose Hall



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PROCEEDINGS

Publisher: **IEEE**. Accepted and presented papers will be submitted for inclusion into IEEE Xplore, subject to meeting IEEE Xplore's scope and quality requirements. Previous editions of ISETC have been published in IEEE Xplore.

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All submissions were handled through the EDAS conference management system and assigned to one of the three tracks. Each paper was reviewed by at least two reviewers with expertise in the topic, members of the Technical Program Committee or additional reviewers, in a single-blind process. Reviewers assessed originality, technical quality, relevance to the symposium scope, clarity of presentation and adequacy of references. Final decisions were taken by the Technical Program Chairs on the basis of the reviews. No paper was accepted with fewer than two reviews; papers outside the symposium scope or not following the submission guidelines were rejected without review. All papers were checked for similarity with previously published work using iThenticate, integrated in EDAS.

Submitted papers:	155
Accepted papers:	121 (acceptance rate 78.1%)
Authors of accepted papers:	403 from 19 countries
Technical Program Committee:	65 members from 9 countries
Additional reviewers:	76

PUBLICATION ETHICS

- **Presentation.** Submitting a paper is a commitment that, upon acceptance, the authors will submit the camera-ready version and present the paper at the conference. Each accepted paper must be covered by at least one author registration. Papers not presented at the conference will not be submitted to IEEE Xplore.
- **Originality.** Submissions identified as double submissions to other conferences and/or journals are rejected.
- **Conflicts of interest.** Reviewers are not assigned papers written by co-authors or colleagues from their own institution.
- **Use of AI.** The use of AI-generated content (text, figures, images, code) must be disclosed in the acknowledgments section, naming the AI system and the sections concerned, as required by IEEE.
- **Corrections and retractions** follow the IEEE policies for conference publications.

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Timişoara, Romania, November 4–6, 2026

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Timişoara, Romania, November 4–6, 2026

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Short Program

PROGRAM AT A GLANCE

All events take place in the UPT Library · Bd. Vasile Pârvan No. 2B, Timișoara

Electronics · Telecommunications · Information Technologies · Joint session

▸ Session keynote speakers are shown inside each session

WEDNESDAY, NOVEMBER 4

TIME	MULTIPURPOSE HALL	K1	K2
08:00 – 09:00	**Registration**		
09:00 – 09:30	**Opening** Auditorium		
09:30 – 11:30	**Plenary Speakers** Auditorium • **Andrei Ardelean**, NovoViz — *Single-photon imaging: from science to industry* • **Rareș-Nicolae Rodean**, Orange Romania — *Orange Romania Innovation Ecosystem* • **Radu Preda**, NXP Semiconductors Romania — *Trusted Physical AI Systems* • **Petru Demian**, AUMOVIO Technologies România — *Microelectronics Ecosystem Forum: from research to industry through IPCEI*		
11:30 – 12:00	**Industry Workshop – Visit of the Exhibition Booths** UPT Library		
12:00 – 13:30	**Lunch Break** Zaza Restaurant		
13:30 – 16:00	**EC1** Electronics 1 **Carol Șamu** · Honeywell Technologies *Benefits of the new technologies and cloud-based services for fire protection systems*	**TC1** Telecommunications 1 **Florin Ciocan** · Nokia *Nokia 5G Ultra Compact Network*	**IT1** Information Technology 1 13:30 – 15:30 **Emanuel Covaci** · Magna *How Data Driven Development Is Shaping the Future of Automotive Features: Machine Learning for Fully Automated Parking*
16:30 – 18:30	**EC2** Electronics 2 **Mihai Marin** · Flex *From Industrial Engineering to Manufacturing Excellence. The Flexible Backend Cell Journey*	**TC2** Telecommunications 2 **Rareș-Nicolae Rodean** · Orange *6G ISAC (Integrated Sensing and Communications)*	**IT2** Information Technology 2 **Radu Bunea** · Schaeffler *Vehicle Digitalization: Remote Control Protocol (RCP) and the Concurrent Paradigm Shift to Software Defined Vehicles*

TIME	MULTIPURPOSE HALL	K1	K2
19:30	**Gala Dinner** Restaurant Casa Politehnicii 2 · Bd. Mihai Eminescu No. 11		

THURSDAY, NOVEMBER 5

TIME	MULTIPURPOSE HALL	K1	K2
08:00 – 09:00	**Registration**		
09:00 – 11:00	**EC3** Electronics 3 **André Pérennou** · ENIB *Optical Links exploiting Power-over-Fiber and Raman Amplification for Sensor Control: Architectures, Challenges and Recent Applications*	**TC3** Telecommunications 3 **Ionel Petruț** · Lasting *5G Non-Terrestrial Networks: Opportunities and Challenges in Connecting Earth and Space*	**IT3** Information Technology 3 **Gabriela Enescu** · NXP Semiconductors *Radar Interference Mitigation* **Ileana Bratu** · NXP Semiconductors *Coding with Integrity – Building Responsible and Compliant Software in an Open-Source and AI World*
11:00 – 11:30	**Coffee Break**		
11:30 – 13:30	**EC4** Electronics 4 **Dragoș Munteanu** · Hamilton *Precision you can trust: the new Hamilton Duo Syringe Pump*	**TC4** Telecommunications 4	**IT4** Information Technology 4
13:30 – 15:00	**Lunch Break** UPT Library – in front of the Auditorium		
15:00 – 17:00	**EC5** Electronics 5	**TC5** Telecommunications 5	**IT5** Information Technology 5

FRIDAY, NOVEMBER 6

TIME	AUDITORIUM	K1	K2
08:00 – 09:00	**Registration**		
09:00 – 11:00	**IT6** Information Technology 6	**TC6** Telecommunications 6	**Joint session** Electronics, Telecommunications and Information Technologies
11:00	**Closing Ceremony**		

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Program

Wednesday, November 4

Wednesday, November 4 1:30 - 4:00

EC1: Electronics 1
Room: UPT Library - Multipurpose Hall
Chairs: Marius Enachescu (National University of Science and Technology Politehnica Bucharest, Romania), Aurel Gontean (Politehnica University Timisoara, Romania)

EC1.1 ***Regenerative Electronic Resistive Load for Automotive Endurance Testing***
Silviu-Marinel Pasca (University Politehnica of Timisoara, Romania); Felix Mueller (Schaeffler, Germany); Ioan Lie (Politehnica University of Timisoara, Romania); Virgil Stoica (University Politehnica Timisoara, Romania)

EC1.2 ***Dynamic Coil Current Boosting for Improved DC Contactor Stability Under High-Current Transients in Electric Vehicles***
Komlosi Bogdan Flavius (University Politehnica Timisoara, Romania); Dumitru- Daniel Bonciog (University Politehnica Timișoara, Romania & Vitesco Technologies Engineering, Romania); Valentin-Ioan Maranescu (University Politehnica Timisoara, Romania); Aurel Gontean (Politehnica University Timisoara, Romania)

EC1.3 ***Area, Timing and Dhrystone Comparison of Open-Source RISC-V Cores on a Single Artix-7 FPGA***
Samuel Matea (University Politehnica Timisoara, Romania); Aurel Gontean (Politehnica University Timisoara, Romania)

EC1.4 ***Roofline-Guided Design of a Scratchpad Loader for a RISC-V Matrix-Accelerator Cluster***
Danut Rotar (AUMOVIO, Romania); Aurel Gontean (Politehnica University Timisoara, Romania); Cosmin Moisa (AUMOVIO, Romania & University Politehnica of Timisoara, Romania)

EC1.5 ***An Efficient Top-down Modeling Methodology for Rapid Design and Verification of Delta-Sigma ADCs***
Magdalena Marinca and Elisei Ilies (Politehnica University Timisoara, Romania); Siegfried Krainer (Infineon Technologies, Austria); Jose Luis Ceballos (Infineon Technologies AG, Austria); Aurel Gontean (Politehnica University Timisoara, Romania)

EC1.6 ***Energy-Efficient FPGA Platform Developed Using Fully Open-Source Tools***
Anastasia Moraru, Andrei Bertescu and Stefan Popa (Transilvania University of Brasov, Romania)

Wednesday, November 4 1:30 - 3:30

IT1: Information Technology 1
Room: UPT Library - K2
Chairs: Ioan Buciu (University of Oradea, Romania), Catalin Daniel Caleanu (Politehnica University of Timisoara, Romania)

IT1.1 ***Automated Road Quality Index Determination System***
Popescu Andrei Adelin (University Politehnica Timisoara, Romania); Catalin Daniel Caleanu (Politehnica University of Timisoara, Romania); Marina Adriana Mercioni (University Politehnica Timisoara, Romania)

IT1.2 ***Comparative Analysis of Large Multimodal Models vs. Traditional OCR for Key Information Extraction in Fiscal Documents***
Valentin-Florin Tosetchi (University Politehnica Timisoara, Romania); Catalin Daniel Caleanu (Politehnica University of Timisoara, Romania)

IT1.3 ***Accuracy of Deep Neural Networks Implemented in Fixed-Point Arithmetic***
Lucy Blecha, Michael McGuire and Mihai Sima (University of Victoria, Canada)

IT1.4 ***How Much Experimental Data is Enough? Sparse Training Libraries for PINN-Based Magnetic Field Reconstruction***
Bernad Robert Leonard (University Politehnica Timisoara, Romania); Lacramioara Stoicu-Tivadar and Mihaela Crisan-Vida (Politehnica University Timisoara, Romania); Caragin-Crasovan Radu (University Politehnica Timisoara, Romania); Sandor I. Bernad (Centre for Fundamental and Advanced Technical Research, Romanian Academy, Romania)

IT1.5 ***A Time-Series Framework for Dynamic Characterization of Magnetic Particle Retention Using Video-Derived Mass Estimates***
Caragin-Crasovan Radu (University Politehnica Timisoara, Romania); Lacramioara Stoicu-Tivadar and Mihaela Crisan-Vida (Politehnica University Timisoara, Romania); Bernad Robert Leonard (University Politehnica Timisoara, Romania); Sandor I. Bernad (Centre for Fundamental and Advanced Technical Research, Romanian Academy, Romania)

IT1.6 ***Parameter-Efficient Adaptation of Foundation Models for Medical Image Segmentation via Hybrid Localization Loss***
Ioan Buciu and Horea-George Birladeanu (University of Oradea, Romania)

Wednesday, November 4 1:30 - 4:00

TC1: Telecommunications 1
Room: UPT Library - K1
Chairs: Constantin Paleologu (University Politehnica of Bucharest, Romania), Florin Alexa (Politehnica University Timisoara, Romania)

TC1.1 ***Electroplating Technique for 3D-Printed Microwave Antennas and Waveguides***
Nicolae Crisan (Technical University of Cluj-Napoca, Romania)

TC1.2 ***Traffic-Aware EPFD Modeling for NGSO Satellite Constellations***
Ionel Romeo Petrut (Lasting Software, Romania); Marius Roman (Politehnica University Timisoara, Romania); Cornel Balint (Lasting Software Timisoara, Romania)

TC1.3 ***A Practical RLS-DCD Adaptive Filtering Algorithm with Variable Forgetting Factor***
Radu Otopeleanu (Politehnica Bucharest, Romania); Cristian Stanciu and Constantin Paleologu (University Politehnica of Bucharest, Romania); Jacob Benesty (INRS-EMT, University of Quebec, Canada); Cristian Anghel (University Politehnica of Bucharest, Romania); Mihnea Udrea (Politehnica Institute, Bucharest, Romania)

TC1.4 ***Real-Time Detection and Masking of Romanian Offensive Words in Audio Streams Using ASR***
Vicenţiu-Lucian Milcu and Costin-Emanuel Vasile (National University of Science and Technology Politehnica Bucharest, Romania)

TC1.5 ***Decomposition-Based RLS Algorithm with Variable Forgetting Factors for Acoustic Echo Cancellation***
Cristina-Florina Anghel (Politehnica Bucharest, Romania); Laura-Maria Dogariu, Camelia Elisei-Iliescu and Constantin Paleologu (University Politehnica of Bucharest, Romania); Jacob Benesty (INRS-EMT, University of Quebec, Canada); Cristian Anghel (University Politehnica of Bucharest, Romania)

TC1.6 ***Experimental Characterization of UWB Distance Measurement Error as a Function of Transmit Power and Tag Localization Using a Mobile Anchor***
Raul A. Muntean, Horia Balta and Maria Kovaci (Politehnica University Timișoara, Romania); Andy Vesa (Politehnica University of Timisoara, Romania); Valentin Adrian Nita (University Politehnica Timișoara, Romania)

Wednesday, November 4 4:30 - 6:30

EC2: Electronics 2
Room: UPT Library - Multipurpose Hall
Chairs: Arcadie Cracan (Gheorghe Asachi Technical University of Iasi, Romania), Dan Lascu (Politehnica University Timisoara, Romania)

EC2.1 ***Automated SPICE Level-1 Parameter Extraction for Power MOSFETs with Physics-Based Self-Heating Detection and Multi-Device Validation***
George Gabriel-Călin Aniței and Edoardo Rossi (Politehnica University Timișoara, Romania); Septimiu Lica (Politehnica University Timisoara, Romania)

EC2.2 ***Analysis and Implementation of a Fourth-Order Step-down Converter with Coupled Inductors***
Ioana M Pop-Calimanu, Andreea-Gabriela Lupașcu and Mihai-Alexandru Marinca (Politehnica University Timisoara, Romania)

EC2.3 ***Simulating a MOS-Bridge Vienna Power Factor Corrector Using PLECS and MATLAB Simulink***
Ion Rares Stanciu (Politehnica University, Romania); Cristina Laura Sirbu (University Politehnica Timisoara, Romania)

EC2.4 ***A Validated Closed-Form Period-Jitter Model for a Trimmable 64 MHz Relaxation Oscillator with Degenerated 5 V Current Sources in 130 nm CMOS***
Gabriel Bonteanu (Technical University of Iasi, Romania); Arcadie Cracan (Gheorghe Asachi Technical University of Iasi, Romania); Petronela Bonteanu and Nicolae Cojan (Technical University of Iasi, Romania)

EC2.5 ***CircuitInsight: Operating-Point-Driven Symbolic Circuit Analysis for Analog Design Insight***
Arcadie Cracan (Gheorghe Asachi Technical University of Iasi, Romania); Gabriel Bonteanu, Nicolae Cojan and Petronela Bonteanu (Technical University of Iasi, Romania)

EC2.6 ***New Buck-Derived DC-DC Converter with Coupled Inductors***
Ioana M Pop-Calimanu, Adrian-Florin Lupșan and Dan Lascu (Politehnica University Timisoara, Romania)

EC2.7 ***Analysis Techniques and Challenges in Automotive Signal Integrity & Power Integrity***
Mihai C. Coita and Septimiu Lica (Politehnica University Timisoara, Romania); Cătălin Negrea (Politehnica University Timișoara, Romania); Cora Ionică (Politehnica University Timisoara, Romania); Alexandru Trifan, Mihai Vasile Popescu, Iustin Mihail Bujor, George Gabriel-Călin Aniței, Albert Francisc Nagy and Stefan Gligorin (Politehnica University Timișoara, Romania)

IT2: Information Technology 2
Room: UPT Library - K2
Chairs: Radu A. Vasiu (Politehnica University of Timisoara, Romania), Cosmin Cernazanu (Politehnica University of Timisoara, Romania)

IT2.1 ***A New Data Set for Crowd Behavior Analysis***
Teodora Popa, Matei Debu, Razvan Todoran, Ioana Plajer, Serban Oprisescu and Mihai Ivanovici (Transilvania University of Brasov, Romania)

IT2.2 ***A New Vegetation Index Combining Optical and Radar Data***
Alessandro Mateos Sierra (Transilvania University of Brasov, Romania & Sciences of Antiquity Dep. University of Zaragoza, Romania); Matei Debu and Mihai Ivanovici (Transilvania University of Brasov, Romania)

IT2.3 ***Towards Explainable and Efficient Violence Detection: A Study on AI4RISK ViDD***
Andrei-Valentin Aruștei and Alexandra Băicoianu (Transilvania University of Brașov, Romania); Mihai Ivanovici (Transilvania University of Brasov, Romania)

IT2.4 ***A Cross-Border Inter-Municipal Mobility Model for the Szeged-Timisoara Region: Federated Network Analysis, Privacy-Preserving Computation, and a Real-Time Digital Twin***
Radu Scortescu and Lucian Adrian (University Politehnica Timisoara, Romania)

IT2.5 ***Impact of OER, MOOCs, and AI on PBL and CBL: A Reverse-Engineering Case Study of a Toy RC Car***
Corina Sosdean, Mircea Voda, Alex Iancu, Stefan Daraban and Alexandru Viorel Coșa (Politehnica University of Timisoara, Romania)

TC2: Telecommunications 2
Room: UPT Library - K1
Chairs: Florin Alexa (Politehnica University Timisoara, Romania), Petrica Ciotirnae (Military Technical Academy Ferdinand I, Romania)

TC2.1 ***Key Technologies in 5G and the Road to 6G: Massive MIMO Systems***
Maria-Gabriela Bălan (Politehnica University of Timisoara, Romania); Cristina Maria Andras (Politehnica University of Timisoara, Romania & Universitatea Politehnica Timisoara, Romania); Florin Alexa (Politehnica University Timisoara, Romania)

TC2.2 ***Performance Analysis of a Joint MIMO Radar-Communication System for Different Array Sizes***
Ioana-Adriana Manea and Gordana Raluca Barb (Politehnica University Timisoara, Romania); Razvan Mihai (University Politehnica of Bucharest & Orange Romania, Romania); Alexandru-Mihai Cismas (Politehnica University Timisoara, Romania); Marius Otesteanu (Universitatea Politehnica Timisoara, Romania)

TC2.3 ***5G URLLC Communication Architecture for Disaster Scenarios: Integrating RIS, MEC, and ISAC on Tethered UAV Platforms***
Adrian Stefan and Petrica Ciotirnae (Military Technical Academy Ferdinand I, Romania)

TC2.4 ***6G Readiness Through Mobile Traffic Growth: Empirical Evidence from Romania, 2015-2024***
Flavius Danuti (Politehnica University of Timisoara, Romania); Marius Otesteanu (Universitatea Politehnica Timisoara, Romania)

TC2.5 ***Experimental Evaluation of Cell Muting for Energy Efficiency in 4G/5G Networks***
Marius Roman, Paula Tasbirec, Gheorghe Mihutescu and Gordana Raluca Barb (Politehnica University Timisoara, Romania); Marius Otesteanu (Universitatea Politehnica Timisoara, Romania)

TC2.6 ***Detection and Closed-Loop Response to MQTT Publish Flooding: An End-to-End IoT Testbed***
Carla-Mihaela Bulzescu and Lacrimioara Grama (Technical University of Cluj-Napoca, Romania); Sorin Hintea (Technical University of Cluj Napoca, Romania)

TC2.7 ***EdgeAI Respiration Waveform Prediction from UWB Signals Using MobiVital Dataset***
Emanuel Trinc (Politehnica University, Romania); Badoi Ionut-Robert (University Politehnica Timisoara, Romania); Cristina Maria Andras (Politehnica University of Timisoara, Romania & Universitatea Politehnica Timisoara, Romania); Georgiana Alina Morar (Politehnica University of Timisoara, Romania); Valentin Adrian Nita (University Politehnica Timișoara, Romania)

Thursday, November 5

Thursday, November 5 9:00 - 11:00

EC3: Electronics 3
Room: UPT Library - Multipurpose Hall
Chairs: Aldo De Sabata (University Politehnica of Timisoara, Romania), Andrei Perennou (ENIB, France)

EC3.1 ***Electromagnetic Angle-Selective Spatial Filtering Using Frequency Selective Surface with Coin-Shaped Metallic Elements***
Aldo De Sabata (Politehnica University of Timisoara, Romania); Marius-Flavius Cioanca (University Politehnica Timisoara, Romania); Cornel Balint (Lasting Software Timisoara, Romania); Andrei Silaghi (Politehnica University of Timisoara, Romania); Catalin Pescari (University Politehnica Timisoara, Romania)

EC3.2 ***A Medical Device for Monitoring Biological Analytes in Blood Based on an Electronic Board for Biasing, Conditioning, and A/D Conversion of Current Signals from a Graphene-Based FET Biosensor Array***
Matteo Paiano (University of Salento, Italy); Mario Pucciarelli (Meditel Srl, Italy); Maurizio Casalino (National Research Council, Italy); Luca De Stefano (Institute of Applied Sciences and Intelligent Systems CNR, Italy); Paolo Visconti and Roberto de Fazio (University of Salento, Italy)

EC3.3 ***Development and Testing of an IMU-EMG-Based Wearable Tracker for Monitoring Athletic Gestures and Performance of a Volleyball Player for Post-Traumatic Rehabilitation***
Roberto de Fazio, Matteo Paiano, Alessandro Caione and Giuseppe Rausa (University of Salento, Italy); Carolina Del-Valle-Soto (Universidad Panamericana, Mexico); Paolo Visconti (University of Salento, Italy)

EC3.4 ***Design and Implementation of an Automotive Ethernet Cybersecurity Testbed for Intrusion Detection System Evaluation***
Paul Banu-Taran (Politehnica University of Timisoara, Romania); Marc Litoiu (Politehnica University of Timişoara, Romania); Marian-Emanuel Ionascu, Razvan Bogdan and Marius Marcu (Politehnica University of Timisoara, Romania); Florin Anton and Mihail Gaianu (AUMOVIO, Romania)

EC3.5 ***Automated Validation of the Airbag Control Unit in the Vehicle End-of-Life Dismantling Process on the Vector CANoe Platform***
Codruta Mihaela Ancuti (University Politehnica Timisoara, Romania); Iuliana Corneschi and Dragos Bala (Aumovio, Romania); Antheia Deacu (University Politehnica of Timisoara, Romania)

EC3.6 ***Current Limiting Loop Control for Back2Back Structures, Design and Simulation***
Magdalena Marinca, Daniela V Nita and Bogdan Marinca (Politehnica University Timisoara, Romania); Arcadie Cracan (Gheorghe Asachi Technical University of Iasi, Romania); Elisei Ilies and Aurel Gontean (Politehnica University Timisoara, Romania)

EC3.7 ***Comparison Between USB and Ethernet for Test Stand Control***
Iustin Mihail Bujor (Politehnica University Timişoara, Romania); Ioan Lie (Politehnica University of Timisoara, Romania); Septimiu Lica (Politehnica University Timisoara, Romania)

IT3: Information Technology 3
Room: UPT Library - K2
Chairs: Cosmin Ancuti (University Politehnica Timis, Romania), Ciprian Orhei (Politehnica University of Timișoara, Romania)

IT3.1 ***HebSeam: A Benchmark for Detecting and Localizing Compositional Boundaries in Ancient Hebrew***
Onisim Constantin (Universitatea Națională de Știință și Tehnologie Politehnica București, Romania); Ruxandra Tapu (National University of Science and Technology Politehnica Bucharest, Romania & Institut Polytechnique de Paris, Palaiseau / SAMOVAR, Télécom SudParis, France); Bogdan C Mocanu (University Politehnica of Bucharest, Romania); Maria Modrogan (National University of Science and Technology Politehnica Bucharest, Romania)

IT3.2 ***A Perturbation-Based Robustness Study of Romanian ASR Models***
Dan Cojocar (Babes-Bolyai University, Romania); Grigoreta Cojocar and Adriana Guran (Babes-Bolyai University, Cluj-Napoca, Romania); Adrian Sterca (Babes-Bolyai University, Romania)

IT3.3 ***Self-Supervised Volumetric MRI Knee Abnormality Detection on RSNA 2026 Dataset***
Emanuel Trinc (Politehnica University, Romania)

IT3.4 ***Histogram Transformer Enhanced NAFNet for Nighttime Image Dehazing***
Radu Philippe Ancuti (University Politehnica Timisoara, Romania); Horia Balta (Politehnica University Timișoara, Romania)

IT3.5 ***Policy-Verified AI Security Copilot for AUTOSAR Configuration Analysis***
Constantin-Laurentiu Paraschiv (University Politehnica of Bucharest, Romania); Marius-Constantin Vochin (University Politehnica of Bucharest, Romania & BEIA Consult International, Romania)

TC3: Telecommunications 3
Room: UPT Library - K1
Chairs: Valentin Adrian Nita (University Politehnica Timișoara, Romania), Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania)

TC3.1 ***Lightweight Mobile 5G Core Network for Private Deployments: Implementation, CUPS-Based Optimization, and Experimental Evaluation***
Antoine Hitayezu and Jui-Tang Wang (National Taiwan University of Science and Technology, Taiwan)

TC3.2 ***Secure Distributed Event Coordination in an IIoT Local Cloud for Automotive Traceability***
Vlad-George Roseanu (National University of Science and Technology POLI, Romania); Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania); Octavian Fratu (University Politehnica of Bucharest, Romania); Alexandru Vulpe (National University of Science and Technology Politehnica Bucharest & Beam Innovation SRL, Romania); Catalin Dumitrescu (Politechnica University of Bucharest, Romania); Laurentiu Boicescu (University Politehnica of Bucharest, Romania)

TC3.3 ***Secure Multi-Hop Event Coordination for AI-Ready Food Supply-Chain Trust***
Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania); Vlad-George Roseanu (National University of Science and Technology POLI, Romania); Alexandru Vulpe (National University of Science and Technology Politehnica Bucharest & Beam Innovation SRL, Romania); Dinu Turcanu (Technical University of Moldova, Moldova); Awodele Oludele (Babcock University, Nigeria); Traian C. Ureche (National Science and Technology University Politehnica Bucharest, Romania)

TC3.4 ***Packet-Level Functional Validation of VTPv2 VLAN Synchronization and Router-on-a-Stick Reachability in a Campus Testbed***
Vlad-Petru Parvulescu (National University of Science and Technology Politehnica Bucharest, Romania); Catalin Dumitrescu (Politechnica University of Bucharest, Romania); Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania); Rares Ion Serban (National University of Science and Technology Politehnica, Romania)

TC3.5 ***Hypothesis, Not Syntax: The Human-AI Boundary in Linux Kernel Vulnerability Discovery***
Stefan-Daniel Wagner and Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania); Laurentiu Boicescu (University Politehnica of Bucharest, Romania); Traian C. Ureche (National Science and Technology University Politehnica Bucharest, Romania)

TC3.6 ***From MEC to AI-Native Networks: The Evolution of Edge Intelligence from 5G to 6G***
Valentin Adrian Nita (University Politehnica Timișoara, Romania)

TC3.7 ***AI-RAN Evolution from 5G to 6G: From Intelligent Optimization to AI-Native Networks***
Valentin Adrian Nita (University Politehnica Timișoara, Romania)

TC3.8 ***Integrated Sensing and Communication in 6G Networks: Fundamentals, Enabling Technologies, and Open Challenges***
Valentin Adrian Nita (University Politehnica Timișoara, Romania)

Thursday, November 5 11:30 - 1:30

EC4: Electronics 4
Room: UPT Library - Multipurpose Hall
Chairs: Virgil-Florin Duma (UPT, Romania), Andrei Perennou (ENIB, France)

EC4.1 ***Laser Scanners with Rotational Risley Prisms: Simulations and Experiments of Scan Patterns***
Alexandru-Lucian Dimb (Polytehnic University of Timişoara, Romania); Virgil-Florin Duma (UPT, Romania)

EC4.2 ***Optical Coherence Tomography vs. Scanning Electron Microscopy for Investigating Surface Degradation***
Ralph-Alexandru Erdelyi (Polytehnic University of Timişoara, Romania); Virgil-Florin Duma (UPT, Romania)

EC4.3 ***Analysis of Galvanometer Scanner-Generated Lissajous Laser Scanning Patterns***
Attila Csillag (Polytehnic University of Timişoara, Romania); Virgil-Florin Duma (UPT, Romania)

EC4.4 ***Design and Experimental Evaluation of a Digitally Controlled Constant-Current Electronic Load***
Mihaela-Nicoleta Filimon (University Politehnica Timisoara, Romania); Elisei Ilies (Politehnica University Timisoara, Romania)

EC4.5 ***Classroom Attendance System Using Raspberry Pi and RFID***
Septimiu Mischie (Politehnica University of Timisoara, Romania); Alexandru-Denis Paven, David-Calin Popovici, Denis-Alin Acatrinei and Gabriel-Daniel Căprăroiu (Politehnica University Timisoara, Romania)

EC4.6 ***A Review of Artificial Intelligence in Automated Optical Inspection***
Madalina Despina Tolontan (Politehnica University of Timişoara, România, Romania & Continental, Romania); Lucian Radu (Politehnica University of Timişoara, Romania); Alexandru Brateanu, Raul Balmez, Dan Mihailescu, Victor Serban and Iasmina Ermalai (Politehnica University of Timisoara, Romania); Oana Rotaru (University Politehnica Timisoara, Romania); Ciprian Orhei (Politehnica University of Timişoara, Romania)

EC4.7 ***Industrial X-Ray Inspection of BGA Assemblies Using Multi-Feature Image Analysis***
Marina Adriana Mercioni and Raul Ionel (University Politehnica Timisoara, Romania); Liviu Ioan Cădariu-Brăiloiu and Liliana Matiu-Iovan (Politehnica University Timisoara, Romania); Cristina Mihaela Drăgan (AUMOVIO, Romania); Bianca Larisa Rădulescu (Politehnica University Timisoara, Romania)

IT4: Information Technology 4
Room: UPT Library - K2
Chairs: Petrica Ciotirnae (Military Technical Academy Ferdinand I, Romania), Codruta O. Ancuti (Universitatea Politehnica Timisoara, Romania)

IT4.1 ***Beyond Predefined Source Labels: Unsupervised Stylometric Inference in Biblical Hebrew Genesis***
Onisim Constantin (Universitatea Națională de Știință și Tehnologie Politehnica București, Romania); Ruxandra Tapu (National University of Science and Technology Politehnica Bucharest, Romania & Institut Polytechnique de Paris, Palaiseau / SAMOVAR, Télécom SudParis, France); Bogdan C Mocanu (University Politehnica of Bucharest, Romania)

IT4.2 ***Fuel-Aware Route Selection from Smartphone OBD-II Telemetry: On-Device Prediction and the Limits of Formula-Derived Labels***
Andrei Illes (Universitatea Politehnica Timisoara, Romania); Cristina Laura Sirbu (University Politehnica Timisoara, Romania); Flavius Danuti (Politehnica University of Timisoara, Romania)

IT4.3 ***Evaluation of Native-Precision Steganography in FP16 Neural Network Weights***
Teodora Busuioc, Sara Ilinca Georgescu, Dimitrie Sevastrin and Costin-Emanuel Vasile (National University of Science and Technology Politehnica Bucharest, Romania)

IT4.4 ***Evaluating Local LLMs for Retrieval-Augmented Generation: A Benchmarking Study***
Mihai-Eronim-Octavian Ursan (Politehnica University Timisoara, Romania); Paul-Samuel Schuldesz (Politehnica University of Timisoara, Romania); Bogdan Drăgulescu and Marian Bucos (Politehnica University Timisoara, Romania)

IT4.5 ***Adaptive Image Restoration via Enhanced Multi-Layer SRCNN Architectures***
Amirali Abedi (Politehnica University Timisoara, Romania); Muguraș Mocofan (Politehnica University Timișoara, Romania)

IT4.6 ***Business Plan as Evaluation Method for Engineering Students***
Vlad Mihaescu (Politehnica University of Timisoara, Romania)

IT4.7 ***From C to Rust in Hardware-Accelerated Embedded Systems: A Practical Adoption Framework***
Adrian Lupei (Politehnica University of Timisoara, Romania); Alexandru Topirceanu (Politehnica University Timisoara, Romania); Alexandru Iovanovici (Politehnica University of Timisoara, Romania)

TC4: Telecommunications 4
Room: UPT Library - K1
Chairs: Corina Nafornita (Politehnica University of Timisoara, Romania), Romulus Terebes (Technical University of Cluj-Napoca, Romania)

TC4.1 ***A Drift-Aware and Class-Balanced Pipeline for Static Object Classification in Automotive Radar***
Atila Gabriel Ham (Universitatea Politehnica Timisoara, Romania); Corina Nafornita (Politehnica University of Timisoara, Romania); Vladimir Cristian Vesa (Hella Romania, Romania); Voislava-Denisa Davidovici and Daniel Varciu (University Politehnica Timisoara, Romania)

TC4.2 ***SAR Image Despeckling Using a Hurst Pilot for Collaborative Wiener Filtering***
Parpala Maria Madalina (University Politehnica Timisoara, Romania); Corina Nafornita, Georgiana Alina Morar, Alexandru Isar and Ioan Nafornita (Politehnica University of Timisoara, Romania)

TC4.3 ***Evaluation of a Three-Model IMM(CV, CT, CA)-UKF for Automotive Radar Point-Target Tracking***
Voislava-Denisa Davidovici and Daniel Varciu (University Politehnica Timisoara, Romania); Atila Gabriel Ham (Universitatea Politehnica Timisoara, Romania); Corina Nafornita (Politehnica University of Timisoara, Romania)

TC4.4 ***Ultrasonic Scanning Prototype for Teaching Radar Detection Principles***
Denis-Razvan Gavrila (University Politehnica Timisoara, Romania); Corina Nafornita (Politehnica University of Timisoara, Romania); Voislava-Denisa Davidovici (University Politehnica Timisoara, Romania)

TC4.5 ***Motion Model Versus Filter Selection for Automotive Radar Tracking***
Corina Nafornita (Politehnica University of Timisoara, Romania); Voislava-Denisa Davidovici and Daniel Varciu (University Politehnica Timisoara, Romania); Atila Gabriel Ham (Universitatea Politehnica Timisoara, Romania)

TC4.6 ***Spotting Facial Deepfakes with Low-Rank Structure: A Lightweight, Training-Free Hankel Approach***
Alexandru-Octavian Bogeanu-Popa and Romulus Terebes (Technical University of Cluj-Napoca, Romania)

TC4.7 ***Direction of Arrival Estimation System***
Andy Vesa (Politehnica University of Timisoara, Romania); Bunica Fabiana Andreea and Bratu Antonia Maria (UPT, Romania)

TC4.8 ***Radio Source Localization System***
Andy Vesa (Politehnica University of Timisoara, Romania); Bratu Antonia Maria and Bunica Fabiana Andreea (UPT, Romania)

Thursday, November 5 3:00 - 5:00

EC5: Electronics 5
Room: UPT Library - Multipurpose Hall
Chairs: Paul Bechet (Robetech EMC Company, Romania), Andrei Silaghi (Politehnica University of Timisoara, Romania)

EC5.1 ***Novel High-Frequency Radio-Wave Biosensors Applications in the Automotive Industry: A Review***
Florin Bogdan and Mihaela Lascu (University Politehnica Timisoara, Romania)

EC5.2 ***Raspberry Pi-Based Biomedical Monitoring Prototype with ECG, SpO2 and Web Visualization***
Andrei Sirbu (University Politehnica Timisoara, Romania); Andrei Silaghi (Politehnica University of Timisoara, Romania); Catalin Pescari (University Politehnica Timisoara, Romania)

EC5.3 ***MoodBot: A Low-Cost Embedded Companion Robot for Daily Mood Tracking and Anxiety Self Management***
Razvan Erdodi (University Politehnica Timisoara, Romania); Dumitru- Daniel Bonciog (University Politehnica Timișoara, Romania & Vitesco Technologies Engineering, Romania); Liliana Matiu-Iovan (Politehnica University Timisoara, Romania); Valentin Laurențiu Ordodi (University Politehnica Timișoara, Romania)

EC5.4 ***Design-Time Prediction of Wire-Bond Throughput for IC Package Manufacturability***
Junaid Ahmad and Linus Maurer (Universität der Bundeswehr München, Germany); Marcus Boehm (Infineon Technologies AG, Germany); Andi Buzo (Infineon Technologies Romania&Co SCS, Romania); Georg Pelz (Infineon Technologies AG, Germany)

EC5.5 ***Automated Assessment of BGA Solder Joint Quality Using Multi-Feature X-Ray Image Analysis***
Raul Ionel and Marina Adriana Mercioni (University Politehnica Timisoara, Romania); Liviu Ioan Cădariu-Brăiloiu and Liliana Matiu-Iovan (Politehnica University Timisoara, Romania); Cristina Mihaela Drăgan (AUMOVIO, Romania); Bianca Larisa Rădulescu (Politehnica University Timisoara, Romania)

IT5: Information Technology 5
Room: UPT Library - K2
Chairs: Romulus Terebes (Technical University of Cluj-Napoca, Romania), Muguraș Mocofan (Politehnica University Timișoara, Romania)

IT5.1 ***Automated Optical Inspection (AOI) System for SMT Component Quality Assurance***
Verzoc Andrei-Vlad (University Politehnica Timisoara, Romania); Georgiana Simion (Politehnica University of Timisoara, Romania)

IT5.2 ***Forecastability Limits of a P300-Derived EEG Proxy in BCIAUT-P300***
Ada Daniela Teodorescu (West University of Timisoara, Romania); Alin Brindusescu (West University of Timisoara, Romania & 888 Functional Monkeys, Elektrobit Automotive Romania, Romania)

IT5.3 ***Edge Voice Assistants on Jetson Orin NX: Analysis of Microservices and Zero-Copy Inference***
Dragoș Costin (Politehnica University of Timișoara, Romania); Catalin Daniel Caleanu (Politehnica University of Timisoara, Romania)

IT5.4 ***Whitening, Not the Classifier: Revisiting the Eigenfaces-SVM Pipeline on Labeled Faces in the Wild***
Stefan-Daniel Wagner and Eduard C. Popovici (National University of Science and Technology Politehnica Bucharest, Romania)

IT5.5 ***Drift-Aware Aggregation of Classical Forecasting Methods for Univariate Time Series***
Orlando Sebastian Buhaiu and Romulus Terebes (Technical University of Cluj-Napoca, Romania)

IT5.6 ***Permissioned Blockchain Architectures: Classification, Consensus Protocols and Industrial Applications***
Manuela Petronela Toma (Military Technical Academi Ferdinand I, Romania); Petrica Ciotirnae and Elena Tinca (Military Technical Academy Ferdinand I, Romania)

IT5.7 ***General-Purpose LLM for Design FMEA: A Case Study Experiment***
Madalina Despina Tolontan (Politehnica University of Timișoara, România, Romania & Continental, Romania); Ciprian Orhei (Politehnica University of Timișoara, Romania); Muguraș Mocofan (Politehnica University Timișoara, Romania); Radu A. Vasiu (Politehnica University of Timisoara, Romania)

TC5: Telecommunications 5
Room: UPT Library - K1
Chairs: Virgil Dobrota (Technical University of Cluj-Napoca, Romania), Georgiana Alina Morar (Politehnica University of Timisoara, Romania)

TC5.1 ***Transformer-Based Multi-Label Stem Activity Detection***
Horia S Ionita and Victor Popa (National University of Science and Technology Politehnica Bucharest, Romania)

TC5.2 ***QUIC-Based Tunneling for Seamless 5G/6G Handovers***
Robert Botez, Alex Bulzan and Virgil Dobrota (Technical University of Cluj-Napoca, Romania)

TC5.3 ***Text Monitoring and Automatic Management of Audio Sequences in Theatrical Productions***
Alexandra-Onelia Bivolaru and Victor Popa (National University of Science and Technology Politehnica Bucharest, Romania)

TC5.4 ***Classification of Gaussian, Colored, Super-Gaussian and Impulsive Noise Types in the Context of Single-Channel Speech Enhancement Applications***
Silviu-Mihail Nechifor (University Politehnica of Bucharest, Romania); Victor Popa (National University of Science and Technology Politehnica Bucharest, Romania)

TC5.5 ***Comparative Analysis of Sensor-Driven Irrigation Strategies for IoT-Based Precision Agriculture***
Gheorghe Mihutescu, Gordana Raluca Barb and Alexandru-Mihai Cismas (Politehnica University Timisoara, Romania); Radu A. Vasiu (Politehnica University of Timisoara, Romania)

TC5.6 ***Technologies for Smart Agriculture: A Comparative Review of LPWAN, Cellular and Short-Range Solutions***
Gheorghe Mihutescu and Gordana Raluca Barb (Politehnica University Timisoara, Romania); Radu A. Vasiu (Politehnica University of Timisoara, Romania); Alexandru-Mihai Cismas (Politehnica University Timisoara, Romania)

TC5.7 ***Indoor UWB Radar-Based Health Monitoring via Non-Contact Estimation of Respiratory and Cardiac Parameters***
Ana-Patricia Codila (University Politehnica Timisoara, Romania); Georgiana Alina Morar and Corina Nafornita (Politehnica University of Timisoara, Romania)

TC5.8 ***NACRE: Are Neural Audio Codecs Machine-Ready? Bitrate-Accuracy Trade-Offs for Environmental Sound Classification in IoT Acoustic Sensing***
Samet Kaya (Fatih Sultan Mehmet Vakif University, Turkey)

Friday, November 6

Friday, November 6 9:00 - 11:00

ETIT: Electronics, Telecommunications and Information Technologies
Room: UPT Library - K2
Chairs: Bogdan Drăgulescu (Politehnica University Timisoara, Romania), Valentin Adrian Nita (University Politehnica Timișoara, Romania), Andrei Silaghi (Politehnica University of Timisoara, Romania)

ETIT.1 ***Series Leading Corrected LESO and Adaptive Quadrature PLL Based Estimation Method for PMSM Sensorless Drives***
Yuheng Wang (North China University of Science and Technology, China); Raul Ionel (University Politehnica Timisoara, Romania); Fanwei Meng, Chunling Li and Zhenzhong Luo (North China University of Science and Technology, China)

ETIT.2 ***Development of an Electronic System for Monitoring and Controlling Blood Transfusion Parameters***
Adelina-Maria Croitoru, Andrei-Ștefan Ciobota and Liliana Matiu-Iovan (Politehnica University Timisoara, Romania)

ETIT.3 ***Threshold Analysis for Wi-Fi Impersonation Detection on Imbalanced AWID-CLS-R Data***
Alexandra Godeanu (UPB, Romania & NOTHING, Romania); Daiana Cimpean (UPB, Romania); Marius-Constantin Vochin (University Politehnica of Bucharest, Romania & BEIA Consult International, Romania)

ETIT.4 ***Evaluating Knowledge Representation, Reranking, and LLM Selection for Telecom Command Retrieval Using RAG***
Raimondo Graceffa (University Politehnica of Bucharest, Romania); Bogdan Emanuel Ionescu (National University of Science and Technology Politehnica Bucharest, Romania)

ETIT.5 ***Uncertainty-Aware Conditional Handover Timing in 5G NR LEO Non-Terrestrial Networks***
Shaif Khan (Independent Researcher Aberdeen, United Kingdom)

ETIT.6 ***Modeling the Reactions of LLM-Controlled Drone Swarms to Stochastic Obstacles***
Jacob Baytelman and Viktoriya Voropayeva (Donetsk National Technical University, Ukraine)

ETIT.7 ***Enhancing Performance of Some Reconfigurable Metasurfaces for Data Storage***
Daniela Ionescu, Ph. D ("Gh. Asachi" Technical University of Iasi, Romania); Maria Kovaci (Politehnica University Timișoara, Romania)

ETIT.8 ***Formal Verification of DITMC's State-Transition Logic Using Timed Automata***
Hemant Purohit (Florida Institute of Technology, USA)

ETIT.9 ***SR-PPO: Self-Regulated Proximal Policy Optimization for Autonomous Learning Agents***
Tianrong Ding (Department of Computer Science, University of Pennsylvania, Philadelphia, USA)

IT6: Information Technology 6
Room: UPT Library - Auditorium
Chairs: Calin Popa (UPT, Romania), Georgiana Simion (Politehnica University of Timisoara, Romania)

IT6.1 ***Performance Analysis of HTCondor-Based Solutions for Automotive Edge Applications***
Alexandru M Pescaru (Politehnica University of Timișoara, Romania); Marina Adriana Mercioni (University Politehnica Timisoara, Romania); Vlad Lăutaru, Cătălin Cereanu and Valentin Stangaciu (Politehnica University of Timisoara, Romania); Mihail Gaianu (AUMOVIO, Romania); Dan Pescaru (Politehnica University Timisoara, Romania)

IT6.2 ***Predicting the Risk of Ascites for Patients with Hepatic Cirrhosis***
Brînduşan Denis-Natanael (University Politehnica Timisoara, Romania); Georgiana Simion (Politehnica University of Timisoara, Romania); Andrada Patricia Todor (Victor Babes University of Medicine and Pharmacy, Romania)

IT6.3 ***Colour Acquisition Performance Comparison for Colour, Multispectral and Hyperspectral Cameras***
Ornella Nobili (Transilvania University of Brasov, Romania & University of Turin, Italy); Matei Debu and Mihai Ivanovici (Transilvania University of Brasov, Romania)

IT6.4 ***Patch-Based Super-Resolution Using Lightweight Convolutional Neural Networks on Resource-Constrained Microcontrollers***
Amirali Abedi (Politehnica University Timisoara, Romania); Muguraș Mocofan (Politehnica University Timișoara, Romania)

IT6.5 ***A Raspberry Pi Classroom Attendance System Using QR Codes and a Wi-Fi Captive Portal***
Damian Olei (University Politehnica Timișoara, Romania); Septimiu Mischie (Politehnica University of Timisoara, Romania)

IT6.6 ***Datasets for in-Cabin Monitoring: A Review***
George-Bogdan Mihai (Politehnica University Timișoara, Romania); Iordaiche Stelian Alexandru (University Politehnica Timisoara, Romania); Georgiana Simion (Politehnica University of Timisoara, Romania)

IT6.7 ***Joint Optic Disc and Optic Cup Segmentation Using Encoder-Decoder Based Network Architectures***
Anca-Ioana Dărăbuț (Politehnica University Timișoara, Romania); Mihaela Lascu (University Politehnica Timisoara, Romania)

TC6: Telecommunications 6
Room: UPT Library - K1
Chair: Teodor Petrita (Politehnica University of Timisoara & ANCOM, Romania)

TC6.1 ***Simulation-Trained Acoustic Drone Detection and 3D Localization on a Planar Microphone Array***
Victor Popa (National University of Science and Technology Politehnica Bucharest, Romania); Alexandru-Florin Ene (University Politehnica of Bucharest, Romania)

TC6.2 ***Positional Accuracy Does Not Determine Kinematic Uncertainty in Markerless Motion Measurement***
Ashwath Ram (State University of New York at Stony Brook, USA)

TC6.3 ***A Layered Architecture for Risk-Based Vulnerability Management Pipelines***
Vlad-Andrei Vlaicu, Daniel Zinca, Virgil Dobrota and Tudor M. Blaga (Technical University of Cluj-Napoca, Romania)

TC6.4 ***Development of a Multi-Lane SDR Jammer for UAV Communications in the 2.4 GHz and 5.8 GHz ISM Bands***
Mirela Șorecău (Land Forces Academy Nicolae Bălcescu, Romania); Emil Șorecău (Nicolae Bălcescu Land Forces Academy, Romania); Paul Bechet (Doctoral School of Electrical Engineering, Technical University of Cluj-Napoca, Romania)

TC6.5 ***A Bluetooth Low Energy Synchronization Method***
Ryland Nezil and Mihai Sima (University of Victoria, Canada)

TC6.6 ***Viability of Lightweight Classical ML for Drone Audio Detection and Classification***
Rares Dobre-Baron (UPT, Romania); Teodor Petrita (Politehnica University of Timisoara & ANCOM, Romania)

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Technical Program Committee

Technical Program Committee

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Carmen Holotescu	"Ioan Slavici" University	Romania

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Liliana Matiu-Iovan	Politehnica University Timisoara	Romania
Simona Miclaus	Nicolae Balcescu Land Forces Academy, Sibiu	Romania
Dan L. Milici	University of Suceava	Romania
Septimiu Mischie	Politehnica University of Timisoara	Romania
Muguraș Mocofan	Politehnica University Timișoara	Romania
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