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MECO2026 & CPSIoT2026 Programme

Budva, Montenegro, June 09-12 2026

Time	Session		
	IPO=In Person Oral; IPP=In Person Poster OLO=On-Line Oral; OLM=On-Line Media; FS=Free Slots		
	ROOM 1	ROOM 2	ROOM 3
June 09 (Tuesday)			
08.00-08.45	Registration		
09.00-09.30	Openings		
09.30-10.00	Opening Break		
10.00-10.45	Keynote, Veljko Milutinović <i>Acceleration and Paradigming in Computing and Informatics</i>		
11.00-13.00	IPO #1 Chairs: Miroslav Hagara, Djuradj Budimir	IPO #2 Chairs: Akbar Sheikh-Akbari, Isidora Stankovic	OLO #1 Chairs: Shriram Gaur, Teodora Sanislav
	8) Ugonna Oleh, Niravkumar Bavadiya and Roman Obermaisser, <i>Efficient On-Device Digital Phenotyping: Depression Detection via Polygon-Based Feature Generation and Quantized Deep Learning</i>	108) Augusta Nneka Ndu, Sina Mahroughi, Hossein Mehrabinejad and Akbar Sheikh-Akbari, <i>Enhancing Hyperspectral Aflatoxin Detection in Pistachios Using SE-Based Spectral Attention</i>	3) Teodora Sanislav, Denis Adrian Sipos, Andrei Tamaian, George Mois and Silviu Folea, <i>An E-nose Approach to Food Odor Identification and Freshness Assessment</i>
	30) Kritima Rajbanshi, Roman Obermaisser, Ivor Fleck and Yazeed Balasmeh Cherenkov, <i>Ring Parameter Estimation for Cone Vertex Determination in Low-Resolution Compton Camera Imaging</i>	111) Jhong-Sian He, Yun-Fan Chen and Chao Wang, <i>Towards, An Indoor Daylight-Guiding System</i>	6) Nexhibe Sejfuli Ramadani, Jelena Gjorgjev, Vjollca Shemshi, Erenis Ramadani, Valentina Angelkoska and Aleksandar Risteski, <i>Proof of Charge: Auditable EV-Charging Receipts with Off-Chain Hashing and On-Chain Anchors</i>



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	44) Moses Kasule and Djuradj Budimir, <i>Investigation of Nonlinear Distortion of RF Amplifiers for 5G FRI Full Duplex Networks</i>	112) Dimitrie Danailovikj, Viktor Iliev and Darko Babunski, <i>An NB-IoT Based Framework for Smart Water Distribution Management with Predictive Control</i>	12) Shriram Gaur, <i>From Delays to Events: A Quantitative Analysis of Causal Determinism in RTOS Task Activation</i>
	65) Anton Fediushin, Miroslav Hagara, Peter Kubinec and Alexander Šatka, <i>Vibration Analysis From Video Sequences</i>	114) Đorđe Borozan, Željko Bolević, Isidora Stanković and Miloš Brajović, <i>HybridGCN – Semi-supervised Learning with Dual Graph Shift Operator</i>	20) Alireza Khalilipour, Brammert Termont, Fatma Bozyigit, Matthias Bogaert and Moharram Challenger, <i>Semantic Classification-Guided Retrieval of Quality Reports for Remanufacturing Decision Support</i>
	70) Batuhan Korkmaz and Süleyman Tosun, <i>Energy-Efficient Scheduling of Periodic Real-Time Tasks with Replication on Heterogeneous Multiprocessor Systems</i>	124) Željko Bolević, Đorđe Borozan, Isidora Stanković and Miloš Brajović, <i>Image-to-Graph Conversion: The Impact of Segmentation and Node Feature Design on Graph Neural Network Performance</i>	23) Argyro Matraka, Charalambos Elias, Panagiotis Gkonis and Eleftherios Tsampasis, <i>Energy anomaly detection and analysis in HVAC systems in buildings using Machine Learning, Explainable AI, and Hierarchical Clustering</i>
	126) Milan Prokin and Dragana Prokin, <i>Capturing Air Pollution from Brakes</i>	125) Dorian Minarolli, Martin Shameti, Betim Cico and Entela Shkodrani, <i>Deep Learning-Based Melanoma Detection Optimization (From Global to Local)</i>	24) Abdelrahman Osama, Yaseen Salah, Ahmed Elsousy, Hassan Hassan, Mohanad Fouda, Mariem Abdelmaksoud, Bevronika Gaber, Ramez Daoud, Hassanein Amer and Dina Mahmoud, <i>Reliability Analysis for Lightweight FPGA-Based Cache Architectures Targeting Space Applications</i>
13.00-15.00	Lunch Break		
15.00- 17.00	IPO #3 Chairs: <i>Natalie Simson</i> <i>Yuwen Xu</i>	IPO #4 Chairs: <i>Igor Jovancevic,</i> <i>Dhurate Hyseni</i>	OLO #2 Chairs: <i>Marika Apostolova,</i> <i>Milan Kornelis</i>



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<p>76) Yuewen Xu, Zihua Jiang, Xuanzhe Li and Naim Dahnoun, <i>DriftSched: Covariance-Guided Adaptive Detection Scheduling for Efficient Multi-Object Tracking</i></p>	<p>36) Nikola Stankovic, <i>Multivariate Collaborative Mean Estimation for Resource-Constrained Image Denoising</i></p>	<p>25) Mihir Pandya and Marika Apostolova, <i>A Practical Study of Accuracy-Latency-Robustness Trade-offs between Text-RAG and GraphRAG</i></p>
<p>78) Mehmet Uğur Çapkulaç and Suleyman Tosun, <i>Deep Reinforcement Learning for Congested Multifunction Radar Task Scheduling</i></p>	<p>41) Sara Peričić and Kosta Pavlović, <i>Optimizing Retrieval Architecture for RAG-Based QA over Montenegrin Legislation</i></p>	<p>27) Safije Sadiki Shaini, Majlinda Fetaji and Fadil Zendeli, <i>Predicting the Time Length of Publishing a Law (TLOPL) Using Machine Learning: Evidence from an e-Parliament System</i></p>
<p>84) Diellza Përvetica, Mërgim Hoti, Arijeta Pajaziti-Qerimi and Blerim Rexha, <i>Explainable AI for Intrusion Detection Systems in IIoT and SCADA: Transparency-Performance Trade-off Analysis</i></p>	<p>42) Edon Budakova, Dhurate Hyseni, Edona Krasniqi and Betim Çiço, <i>An Empirical Study of Heterogeneous Microfrontends Across Development and Production Environments</i></p>	<p>28) Stela Lila, Zerina Altoka, Samed Jukic, Bekir Karlik and Jasmin Kevric, <i>Evaluating Machine and Deep Learning Models for Stroke Prediction with Class Imbalance Handling</i></p>
<p>85) Erand Kurtaliqi, Mërgim Hoti and Blerim Rexha, <i>Evaluating Post-Quantum Cryptographic Readiness on Classical Systems: An End-to-End ML-KEM Implementation in .NET 9 and Angular</i></p>	<p>46) Ivan Kukoski, Damjan Pecioski, Viktor Gavriloski and Zlatko Petreski, <i>Hybrid 3D localization for industrial manipulators</i></p>	<p>31) Alyaa Ismaeil, Manar Rashad, Abanoub Kamel, Ramez Daoud and Hassanein Amer, <i>Fault-Tolerant Actuator Design for Industrial Applications</i></p>



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	94) Adea Tabaku, Vigan Raca and Betim Cico, <i>Applying Message Queues for High-Volume Data Ingestion: Performance Optimization and Load Management with RabbitMQ</i>	55) Damjan Pecioski, Dejan Shishkovski, Viktor Gavriloski and Simona Domazetovska, <i>Design and Experimental Validation of a CostEffective Four-Point Bending Machine for Mechanical Characterization of 3D-Printed Plastics</i>	34) Hazem Ayman, Menna Sedik, Kareem Mostafa, Mahmoud Soliman, Samer Saber and Ibrahim Habib, <i>Cluster-Aware Dual-Level Test Specification Generation for Large-Scale Automotive Software Requirements</i>
	74) Mohamed Badawy, Natalie Simson and Wolfgang Ecker, <i>Data-Driven Pipeline Architecture Selection: Synthesis Characterization for Constraint-Aware Design Generation</i>	57) Filip Jovanovic, Igor Jovancevic and Patrik Jurik, <i>Vital signs estimation from videos using deep neural networks</i>	37) Milan Cornelis, Bert Van Acker and Paul De Meulenaere, <i>Towards Enabling Self-Adaptation Through a System State Knowledge Model</i>
	FS	FS	FS
19.00	Welcome reception from Mayor of Budva, Municipality and Academy of Science		
June 10 (Wednesday)			
08.00-08.45	Registration		
09.00-09.45	Keynote, Akbar Sheikh-Akbari <i>Advancing Non-Destructive Spectral Intelligence for Aflatoxin Risk Mitigation in Pistachio Supply Chains</i>		
09.45-10.30	Keynote, Hans Vangheluwe, on-line or in-venue <i>CPSIoT – The Twinning Paradigm</i>		
10.30-11.00	Break		
11.00-13.00	IPO #5 Chairs: Orges Cico, Jordan Kralev	IPO #6 Chairs: Miroslav Sokol, Drazen Jurišić	OLO #3 Chairs: Kareem Wael Elhamy, Agon Memeti
	83) Jordan Kralev, Asparuh Markovski, Tsonyo Slavov and Alexander Mitov, <i>Design of mu-PID Controller for Axial-Piston Pump</i>	106) Jovana Malešević, Tanja Vuković, Filip Budimir, Bogdan Milenković, Vladimir Kojić and Matija Štrbac, <i>Feasibility of Upper-Arm EDA and ECG Measurements for Cognitive Stress Detection</i>	38) Elzana Dupljak, Ervin Domazet, Suad Nesimi and Bilgin Demir, <i>Ethical challenges in CNN application model for breast cancer detection on the BreakHis datasets</i>
	16) Blerta Idrizi, Ardrin Rexhepi, Aleksandar S. Dimovski, Goran Velinov and Shpetim Rexhepi, <i>Using ML to Classify Algorithmic Problems with Respect to Programming Technique and Language</i>	72) Miroslav Sokol, Patrik Jurik and Pavol Galajda, <i>ESP32-Based LoRa Communication for Agricultural IoT: Design, Implementation, and Field Evaluation</i>	39) Bilgin Demir, Ervin Domazet, Elzana Dupljak and Suad Nesimi, <i>Security-Efficiency Trade-offs in Real-Time ECG Classification under Adversarial and Signal Integrity Perturbations</i>



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	18) Orges Cico, Renata Souza, Anh Nguyen-Duc and Ivan Machado, <i>Technical Debt Approach and Consciousness in Startups Transitioning to Growth Phase - A Four Facet Model</i>	86) Bojan Cavric, Budimir Lutovac, Costas Psychalinos and Drazen Jurisic, <i>Cadence Virtuoso and MATLAB Simulink Models of Warburg Constant Phase Element</i>	40) Mohamed Essam, Kareem Wael, Azza Hassan, Ahmed Haitham, Mahmoud Soliman, Samer Saber and Ibrahim Habib, <i>Trust-Aware Multi-Agent Traceability: Confidence-Calibrated Knowledge Graphs for Consistent Software Artifact Management</i>
	68) Jakup Berisha, Darko Babunski, Radmila Koleva and Emil Zaev, <i>Experimental Validation of a Distributed ROS2-Based SLAM Architecture on a Low-Cost Mobile Robot Platform</i>	89) Radovan Stojanović, Jovan Djurković, Maria Mirto and Antonio Aloisio, <i>IoT Gateway for Commercial Smoke Detectors</i>	45) Anna Melnichenko, Giovanni Buresi, Mathias Brack, Moritz Schmidt and Lukas Dust, <i>Second Hand Textiles Management: A synthetic dataset approach</i>
	77) Mitar Otašević and Žarko Zečević, <i>Compound Adaptive LOS Guidance Law for Path Following of Underactuated USVs</i>	118) Blerand Zendeli, Artan Luma and Blerim Rexha, <i>A Framework for Detecting Uninvoked Event Listeners in Modern Web Applications Using Static and Runtime Analysis</i>	51) Agon Memeti, <i>From Attendance Tracking to Learning Intelligence: An AI-Driven Smart Classroom System with LMS Integration</i>
	FS	FS	88) Edina Cmanjcanin and Dragi Tiro, <i>Analysis of Average Processor Performance Under Different CPU Affinity Settings</i>
13.00-15.00	Lunch Break		
15:00-15:45	Keynote, Milan Prokin <i>(Near) Future of Vehicles</i>		
16.00-17.00	IPP #7 Chairs: Paul Tuohy, Patrik Jurík, Zuzana Sokolová	IPO #8	OLO #4 Chairs: Zhihua Jiang, Vladislav Tiftilov 16-18h
	4) Alexandru Jutra, George Dan Mois, Teodora Sanislav and Silviu Corneliu Folea, <i>Implementing Artificial Intelligence Algorithms on Microcontroller-based Smart Edge Devices</i>	ARCA Workshop and Project dissemination	52) Alisan Aygar, Cansu Bozkurt and Mehmet Tahir Sandikkaya, <i>Prioritized MC/DC Framework for Early Fault Detection in Safety-Critical Software</i>
	21) Eva Kupcova, Matus Pleva, Milos Drutarovsky and Velibor Došljak, <i>Performance Benchmarking of Homomorphic Encryption for Fingerprint Recognition</i>	ARCA Workshop and Project dissemination	53) Dina Mahmoud, Omar Sabla, Reem Abdelhameed, Mohamed Bayoumi, Ramez Daoud, Hassanein Amer, Hassan Hassan and Gehad Alkady, <i>A Modified Alternating Logic-Based Self-Purging Architecture for MEU Resilience</i>



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	<p>22) Eva Kupcova, Matus Pleva, Zuzana Sokolová and Milos Drutarovsky, <i>Secure Biometric Authentication for Resource-Constrained IoT Devices</i></p>	<p>Other project disseminations</p>	<p>63) Tural Salamov, Kai Lehniger and Peter Langendoerfer, <i>Usage of Existing Functions in Return-Oriented Programming on the ESP32 S-Series</i></p>
	<p>43) Zhanan Ao, Paul Tuohy, Sinisa Durovic and Graham Bruce, <i>Impact of Annealing on the Long-term Thermal Measurement Performance of FBG Sensors in Electric Machine Coils</i></p>		<p>73) Zhihua Jiang, Yuewen Xu, Xuanzhe Li and Naim Dahnoun, <i>High-Resolution Vertical Motion Reconstruction using MIMO Radar Beamforming</i></p>
	<p>62) Patrik Jurík, Miroslav Sokol, Pavol Galajda and Igor Jovancevic, <i>UWB Radar Sensing of Liquids: Characterization of Saline Solutions</i></p>		<p>81) Vladislav Tiftilov, <i>A Data Pipeline for Heterogeneous Sensor Integration in Smart Cities</i></p>
	<p>67) Zuzana Sokolová, Eva Kupcová, Jozef Juhár and Nikola Pižurica, <i>Small Language Models for Edge AI: A Survey on Privacy-Preserving Toxicity and Grooming Detection</i></p>		<p>119) Eljona Zanaj, Eva Cipi, Redi Capoj, Kristiana Lushnjari and Ina Nasto, <i>Interactive Web Platform for Biological Research Visualization</i></p>
	<p>75) Mircea Rareş Bărbiţă and Bogdan Cristian Florea, <i>A Dynamic-Addressing Protocol for Extensible I2C-Based Device Networks</i></p>		<p>FS</p>
	<p>95) Renát Haluška, Matúš Pleva, Maroš Pavlus and Igor Jovancevic, <i>Multi-modal of User Verification Using Audio MFCC and Keystroke Dynamics</i></p>		
	<p>96) Renát Haluška and Andrii Kolomiets, <i>Grooming Detection Using a Multimodal AI Approach for Slovak Language Environments</i></p>		
	<p>97) Miroslav Sokol, Milan Guzan, Michal Barilla, Pavol Galajda, Volodymyr Rusyn and Branislav Sobota, <i>Performance Evaluation of Cloudflare Tunnel for IoT Backend Exposure Behind NAT</i></p>		



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	98) Renát Haluška, Zuzana Sokolová and Nikita Zubko, <i>Detection of Network Threats Using Machine Learning Algorithm</i>		
20.30-	Gala Diner		
June 11 (Thursday)			
09:00-10.30	OLO #5 Chairs: Evgenia Psarra, Belsen Lee	OLO #6 Chairs: Alla Levina, Maxim Grachev	OLO #7 Chairs: Dmitrii Kaplun, Lusine Fljyan
	92) Evgenia Psarra, Kyriakos Stefanidis and Christos Panagiotou, <i>Text Similarity-based Industrial Dataset Reuse Detection using Sentence Transformer Models under Controlled Perturbations</i>	7) Alla Levina and Stepan Chapliyov, <i>Ensuring Noise Immunity of The Modbus Industrial Communication Protocol Based on Linear LDPC and BCH Codes</i>	10) Sayan Mukherjee, Britika Khati, Dmitrii Kaplun, Asya Lyanova and Ram Sarkar, <i>AGU-Net: An Attention and Gating-aided U-Net Model for Breast Ultrasound Lesion Segmentation</i>
	100) Vladimir Hristov and Dimitar Pepedzhiev, <i>Reference-Based Surface Defect Detection in Optical Lenses Using ISO 10110 Etalon Plates</i>	69) Alla Levina and Roman Radionov, <i>The Surrogate Gravity Well: Limits of Unconstrained Evolutionary Synthesis in Transfer Attacks</i>	11) Debatra Banerjee, Irina Shpakovskaya, Dmitrii Kaplun, Mahantapas Kundu and Ram Sarkar, <i>A Feature Modulation Block-aided Dual-Branch of Swin-Transformer and Ensemble of CNN Models for Breast Cancer Classification</i>
	101) Nicolai Iuga, Ionel Zagan, Nicoleta Cristina Gaitan and Vasile Gheorghita Gaitan, <i>Comparative Evaluation of Task Switching in a RISC-V Multi-Context Simulation Framework for Real-Time Execution</i>	9) Nikola Stojkov and Igor Dejanović, <i>XCG: A Universal Communication Generator for Heterogeneous Embedded Systems</i>	64) Armen Budaghyan, Lusine Fljyan, Serob Khachatryan and Mari Santurjyan, <i>Digital Transformation in Higher Education in Armenia: The Shift from Access to Integration is Inevitable</i>
	102) Aleksandar Kormushoski, Ana M. Lazarevska, Aleksandar Risteski and Valentina Gecevska, <i>From a CPS/IoT Based Concept to a Successful Real-Life Business Model</i>	49) Maxim Grachev, Yury Parshin and Alexander Parshin, <i>Study of Microwave Photonic MIMO Communication Channel in an Inhomogeneous Medium with Losses</i>	123) Blanka Mateša, Natalija Parlov and Gordan Akrap, <i>Lifecycle-Based Legal and Security Analysis of GenAI Systems under EU Copyright Law</i>
	104) Daline Vranovci, Miranda Vranovci, Isak Shabani and Dhurate Hyseni, <i>Event-Driven Orchestration of Sales-to-Production Workflows in Microservice-Based Fashion Systems</i>	14) Hemanth Manchabale Papachappa and Narendra Badam, <i>Riemannian Intent Manifolds for Session-Based Search: A Joint Embedding Predictive Architecture for Intent Forecasting</i>	Suad Nesimi, Ervin Domazet, Elzana Dupljak and Bilgin Demir, <i>A Comparative Analysis of Latency, Security, and Scalability in Heterogeneous Distributed Architectures for Autonomous Vehicles</i>



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	107) Belsen Lee and Tom Springer, <i>A Full System Co-Simulation Platform for Evaluating Edge Machine Learning Inference Using Compute-in-Memory</i>	93) Alla Levina and Alina Lanina, <i>A Method of Increasing the Integrity of Stored Information at the RAID 6 Level Using the Reed-Solomon Code and Combination of Syndrome and Probabilistic Decoding</i>	121) Sumit Singh, Rajbala Simon and Shivani Verma, <i>Limits of In-Situ Plasma-Only ICME Forecasting at LI: A Methodologically Rigorous Baseline Using Aditya-LI ASPEX-SWIS Data</i>
10.30-11.00	Break		
11:00-13:00	OLO #8 Chairs: Vladimir Hristov, Christos Koulamas	OLM #1 Chairs: Krassimira Stoyanova, Liam Wouters	OLM #2 Chairs: Ana M. Lazarevska,, Aditya Sabbineni
	110) Gianluca Nanni, Andrea Pasetti, Tania Di Mascio and Luigi Pomante, <i>Application of the SystemC-TLM library to an ESL HW/SW co-design methodology</i>	5) Krassimira Stoyanova, Vladislava Grigorova and Ivan Blagoev <i>A Robust Framework for Within-Group Similarity Assessment: Addressing Hyperparameter Variability in Multiclass Medical Classifications</i>	59) Aditya Sabbineni, Pravin Nagare, Devendra Dahiphale, Preetam Dedu and Willison Lopes, <i>A Hardware-Anchored Privacy Middleware for PII Sharing Across Heterogeneous Embedded Consumer Devices</i>
	113) Andrea Pagliaro, Giacomo Valente, Luigi Pomante and Tania Di Mascio, <i>Increasing Boot Loader Reusability in avionic certified context for AMD Zynq Ultrascale+ platforms</i>	29) Marko Bošković, Petar Mandić, Tomislav Šekara, Milan Rapaić, Đorđe Stojić and Budimir Lutovac, <i>An Optimal Design of a Four-Parameter PID controller via Prototype Pole Placement under Robustness and Measurement Noise Sensitivity Constraints</i>	82) Mihaela Zlateska, Ana M. Lazarevska, Marjan Nikolovski and Valentina Gecevska, <i>IoT-Enabled ESG Environmental Reporting under CSRD: Alignment with ESRS Environmental Indicators and Cost Implications</i>
	116) Vladimir Hristov and Stanislav Peev, <i>An Integrated Intelligent and Secure Diagnostic Framework for BLDC Motors</i>	48) Blend Hamiti and Besnik Selimi, <i>Exploring Automated Techniques for Analyzing and Reversing Android Obfuscation</i>	87) Milica Vušanović and Veselin N. Ivanović, <i>Wiener Time-Frequency Filter based on the Recent Design of a System for Time-Frequency Analysis</i>
	117) Vladimir Hristov, Stanislav Peev and Lal Goel Aman, <i>Intelligent Fault Diagnosis in Brushless DC Motors: A Comprehensive Review</i>	50) Liam Wouters, Victor Pena Alvarado, Richard Van Loon, Alireza Khalilipour and Moharram Challenger, <i>Integrating Digital Twins and MAS for Scalable AGV Fleet Management in Smart Warehousing</i>	58) Milica Vušanović and Veselin N. Ivanović, <i>Testing of the Recent Design of a System for Time-Frequency Analysis</i>
	120) Leonardo Fazzini, Giacomo Valente, Federica Caruso, Luigi Pomante and Tania Di Mascio, <i>Toward a Taxonomy of Virtualization for Microcontroller-Based Mixed-Criticality Systems</i>	109) Avni Rustemi, Merita Kasa Halili and Festim Halili, <i>Integrating Blockchain Technology in E-Learning Platforms for Student Payments</i>	FS



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	122) Lidia Pocero Fraile, Christos Koulamas and Apostolos P. Fournaris <i>A Distributed Framework for the Development of Secure, Safe and Efficient Cyber-Physical and Digital Twin Systems</i>	FS	FS
13.00-14.00	Awards and conclusion remarks		
14:00-15:00	Closing Lunch		
15.00	Social and free Summer School and Tutorial		
12.06 (Friday)			
Excursion (on your own) Summer School and Tutorials			



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Note:

Place: Akademija Znanja – Budva, 56 Žrtava Fašizma, Budva, Montenegro,
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Official organizers:

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University of Montenegro, Faculty of Electrical Engineering

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MECO 2026 – Tutorials

SS-CPSIoT 2026

AIoT Academy 2026

Budva, Montenegro, Science Academy, 09-13 June, 2026

Programme

Time	Session	Speakers and Topic	Topic	Institution/Country
09.06				
09.00-09.30	Openings	Within MECO opening ceremony <i>and Lech Jozwiak</i> , Establisher of the School	<i>SS-CPSIoT idea and vision</i>	University of Eindhoven, Netherlands
09.30-10.00	Opening Break			
10.00-11.00	Keynote #1	<i>Veljko Milutinović</i>	<i>Acceleration and Paradigming in Computing and Informatics</i>	University of Indiana in Bloomington, USA
11.00-13.00	Tutorial #1	<i>Natalie Simson, Johannes Ecker, Wolfgang Ecker, Endri Kaya</i>	<i>Systematic Digital Design – Boosting Design Productivity and Component Reuse through Handshakes and Interfaces</i>	Technical University Munich and Infineon Technologies, Germany
13.00-15.00	Lunch Break			
15.00-17.00	Tutorial #2	<i>Muhammad Shafique, Alberto Marchisio</i>	<i>Energy-Efficient and Secure AI: Challenges, Methods, Applications, and Systems</i>	eBRAIN Lab and iCAS Lab New York University Abu Dhabi, UAE
17.00-	Free and social			
19.00	Municipality reception			
10.06				
09.00-09.45	Keynote #2	<i>Akbar Sheikh-Akbari</i>	<i>Advancing Non-Destructive Spectral Intelligence for Aflatoxin Risk Mitigation in Pistachio Supply Chains</i>	Leeds Beckett University, United Kingdom
09.45-10.30	Keynote #3	<i>Hans Vangheluwe</i>	<i>CPSIoT – The Twinning Paradigm</i>	University of Antwerp, Belgium
10.30-11.00	Break			
11.00-13.00	Tutorial #3	<i>Abdelhakim Baouya, Brahim Hamid, Otmane Ait</i>	<i>Secure and Resilient Engineering of Cyber-Physical</i>	University of Toulouse, France



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		Mohamed, Saddek Bensalem	<i>Systems (CPS) via Stochastic Games</i>	University of Toulouse, France Concordia University, Canada VERIMAG, France
13.00-14.00	Lunch Break			
14.00-15.00	Tutorial #4, 1	Nabil Abdennaher	<i>Introduction to quantum computing from a software engineering perspective</i>	University of Applied Sciences, Western Switzerland
15.00-15.45	Keynote #4	Milan Prokin	(Near) Future of Vehicles	University of Belgrade, Serbia
16.00-17.00	Tutorial #4, 2	Nabil Abdennaher	Introduction to quantum computing from a software engineering perspective	University of Applied Sciences, Western Switzerland
17.00:-	Free			
20.30	Dinner			
11.06				
09:00-10.30	Tutorial #5 Dražen Jurišić	Fractional-Order Systems and Applications	University of Zagreb, Croatia	
10.30-11.00	Break			
11.00-13.00	Tutorial #6,1	Andrej Škraba	ESP32 Hands-on: From Edge Device Control to Cloud and AI in CPS/IoT Systems	University of Maribor, Slovenia
13.00-14.00	Ceremony and awards, MECO			
14.00-15.00	Lunch Break			
15.00-16.00	Tutorial #6,2	Andrej Škraba	ESP32 Hands-on: From Edge Device Control to Cloud and AI in CPS/IoT Systems	University of Maribor, Slovenia
16.00-17:00	Tutorial #7	Matija Stojanović	Ethical Issues in AI and AIoT	University of Montenegro, Montenegro
17.00:-	Free			
12.06				
09-10.30	Tutorial #8	Vladimir Mladenović	Cyber Security and Federated Learning for Autonomous Vehicle Networks	University of Kragujevac, Serbia
10.30-11.00	Break			
11.00-12.00	Tutorial #9	Radovan Stojanović, Jovan Djurković, Duško Petrović	AIoT in medical wearables	University of Montenegro, MANT, MECOnet, Digit, Montenegro



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13.00-14.00	Lunch Break			
14.00-16.00	Tutorial #10	Vesna Maraš, Mitar Otašević, Jovan Djurković, Duško Petrović	AIoT in precise agriculture	University of Montenegro, MANT, MECOnet, Montenegro
16:00	Certification and closing			
13.06				
Team work (Excursion on your own)				

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Official organizers:

Montenegrin Association for New Technologies (MANT)

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