

Content List of 2025 29th International Conference on System Theory, Control and Computing (ICSTCC)

October 9-11, 2025, Cluj-Napoca, Romania

Technical program

With Locations



City Plaza Hotel
Double Tree by Hilton,
Strada Sindicatelor 9-13,



TUCN,
15 Daicoviciu Street

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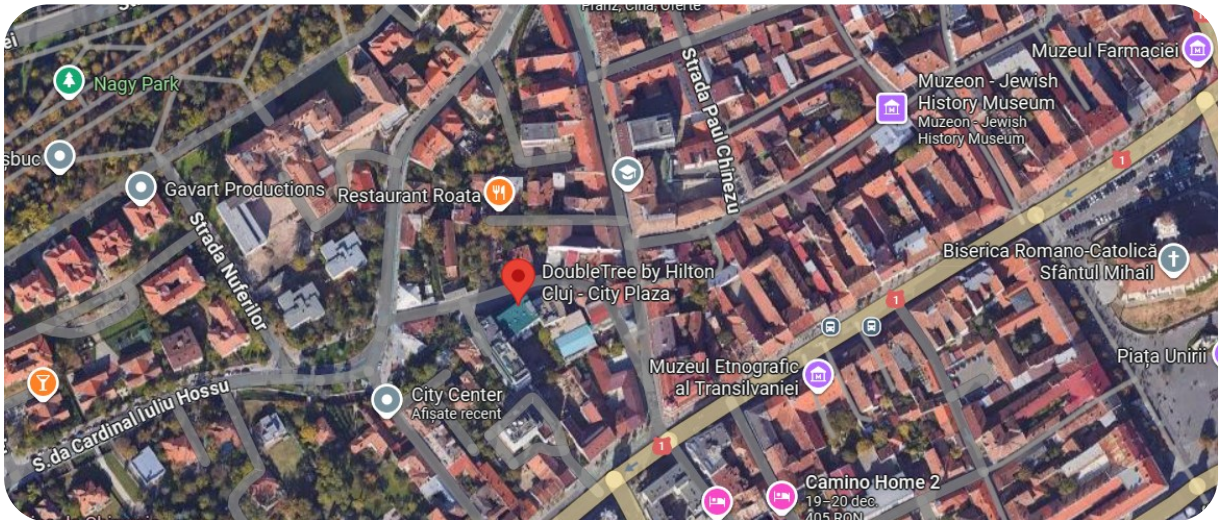
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Event Location

DoubleTree by Hilton Cluj - City Plaza



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Registration Desk – the first two days
Opening, Closing - all
Plenary talks - all
Invited Sessions - all
Regular sessions Day 1
Regular sessions Day 2
Regular sessions Day 3
Coffee break, Lunch, Dinner
Social Event

Program at a Glance

Day 1	ICSTCC 2025 Technical Program Thursday October 9, 2025						Registration Desk
	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	8:00-12:30 City Plaza, the entrance hall, ground floor
	08:30-09:00 Ballroom, City Plaza Opening						
	9:00-10:00 Ballroom, City Plaza Plenary talk 1 Some Problems of Artificial Intelligence and Machine Learning Applications in Control Engineering						
Day 1	10:00-10:30 Coffee break, City Plaza, the hall in front of the Ballroom, ground floor						
	10:30-12:00 Ballroom, City Plaza Invited session ThM1 IS: Complex Data Processing for Monitoring, Detection, and Diagnosis	10:30-12:00 Beijing, City Plaza Regular session ThM2 Intelligent Systems and Software Tools	10:30-12:15 Venezia, City Plaza Regular session ThM3 Robotics 1	10:30-12:15 Ken Sai, City Plaza Regular session ThM4 Neural Networks 1	10:30-12:00 Aula Domsa, TUCN Regular session ThM5 Nonlinear Systems		
Day 1	12:30-14:00 Lunch, City Plaza, Marco Polo Restaurant, first floor (or mezzanine)						
	14:00-15:00 Ballroom, City Plaza Plenary talk 2 Emergent Behavior, Robustness, and Adaptation in Heterogeneous Multi-Agent Systems						14:00-16:30 City Plaza, the entrance hall, ground floor
	15:00-16:30 Ballroom, City Plaza Invited session ThA11 IS: Information Security, Parallel and Distributed Computing, and Decentralized Technologies - Part 1	15:00-16:15 Beijing, City Plaza Regular session ThA12 Control Applications 1	15:00-16:45 Venezia, City Plaza Regular session ThA13 Robotics 2	15:00-16:30 Ken Sai, City Plaza Regular session ThA14 Neural Networks 2	15:00-16:30 Aula Domsa, TUCN Round table ThA15 Women in Engineering	15:00-16:30 467, TUCN Regular session ThA16 Identification and Fault Detection	
Day 1	16:30-17:00 Coffee break, City Plaza, the hall in front of the Ballroom, ground floor						
	17:00-18:45 Ballroom, City Plaza Invited session ThA21 IS: Information Security, Parallel and Distributed Computing, and Decentralized Technologies - Part 2	17:00-18:15 Beijing, City Plaza Regular session ThA22 Control Applications 2	17:00-18:15 Venezia, City Plaza Regular session ThA23 Linear and Finite State Systems	17:00-18:45 Ken Sai, City Plaza Invited session ThA24 IS: An Insight into Innovative Approaches in Biomedical Engineering	17:00-18:30 Aula Domsa, TUCN Round table ThA25 Industry Applications	17:00-18:30 467, TUCN Regular session ThA26 Machine Learning	
Day 1	19:00 - 22:00 Banquet, City Plaza, Marco Polo Restaurant, first floor (or mezzanine)						

Day 2	ICSTCC 2025 Technical Program Friday October 10, 2025					Registration Desk
	Track 1	Track 2	Track 3	Track 4	Track 5	
	9:00-10:00 Ballroom, City Plaza Plenary talk 3 Resurrecting Recurrent Neural Networks for Long Sequences					8:30-10:30 City Plaza, the entrance hall, ground floor
Day 2	10:00-10:30 Coffee break, City Plaza, the hall in front of the Ballroom, ground floor					
	10:30-12:00 Ballroom, City Plaza Regular session FrM1 Predictive Control	10:30-12:00 Beijing, City Plaza Regular session FrM2 Engineering Education & Embedded Systems	10:30-12:00 Venezia, City Plaza Regular session FrM3 Cybersecurity	10:30-12:00 Ken Sai, City Plaza Invited session FrM4 IS: Control, Estimation, and Navigation in Aerospace Engineering	10:30-12:00 Aula Domsa, TUCN Invited session FrM5 IS: Advances in Real Time Process Control and Applications	
	12:00-13:30 Lunch, City Plaza, Marco Polo Restaurant, first floor (or mezzanine)					
Day 2	14:00 - 20:00 Social event, Salina Salt Mine & Dinner at "Sarea in bucate" Restaurant, Turda					

Day 3	ICSTCC 2025 Technical Program Saturday October 11, 2025				
	Track 1	Track 2	Track 3	Track 4	Track 5
	09:00-10:00 Ballroom, City Plaza Plenary talk 4 LMI-Based Control of Dynamical Systems with Isolated Nonlinearities				
Day 3	10:00-10:30 Coffee break, City Plaza, the hall in front of the Ballroom, ground floor				
	10:30-12:00 Ballroom, City Plaza Regular session SaM1 Computer Vision	10:30-12:00 Beijing, City Plaza Regular session SaM2 Internet of Things	10:30-12:00 Venezia, City Plaza Invited session SaM3 IS: Intelligent Systems - Current Trends and Challenges for Sustainable Healthcare and Industry	10:30-12:00 Ken Sai, City Plaza Regular session SaM4 Biological and Biomedical Systems	10:30-11:45 Aula Domsa, TUCN SaM5 Control Applications 3
	12:00-12:30 Ballroom, City Plaza Closing ceremony				
Day 3	12:30-14:00 Lunch, City Plaza, Marco Polo Restaurant, first floor (or mezzanine)				

Day 1. Technical Program for Thursday October 9, 2025

Day 1 – Before noon

08:30-9:00	Ballroom, City Plaza, ground floor
Opening	

ThP1P	Ballroom, City Plaza, ground floor
Some Problems of Artificial Intelligence and Machine Learning Applications in Control Engineering (Plenary talk)	
Chair: Miclea, Liviu	Technical University of Cluj-Napoca
09:00-10:00	ThP1P.1
<i>Some Problems of Artificial Intelligence and Machine Learning Applications in Control Engineering*.</i>	
Dumitrache, Ioan	University of Bucharest

10:00-10:30
Coffee break
City Plaza, the hall in front of the Ballroom, ground floor

Day 1 – Before noon

ThM1	Ballroom, City Plaza, ground floor
IS: Complex Data Processing for Monitoring, Detection, and Diagnosis (Invited session)	
Chair: Popescu, Dan	National University of Science and Technology Politehnica Bucharest
Co-Chair: Ichim, Loretta	Politehnica University of Bucharest
Organizer: Popescu, Dan	National University of Science and Technology Politehnica Bucharest
Organizer: Ichim, Loretta	Politehnica University of Bucharest
10:30-10:45	ThM1.1
HybNet: A Deep Learning-Based Backbone Feature Extractor for Breast Cancer Classification from Ultrasound Images , pp. 1-6.	
Ciobotaru, Alexandru	UTCN
Corches, Cosmina	Technical University of Cluj-Napoca
Gota, Dan Ioan	Technical University of Cluj Napoca
Miclea, Liviu	Technical University of Cluj-Napoca
10:45-11:00	ThM1.2
Performance Evaluation of 802.11ac WLAN Networks in the 5 GHz Band Using MikroTik (I) , pp. 7-12.	
Dragoescu, Adrian-Daniel	Valahia University of Targoviste
Predusca, Gabriel	University Valahia of Targoviste
Circiumarescu, Liana Denisa	University Valahia of Targoviste
Angelescu, Nicoleta	Valahia University of Targoviste
Puchianu, Dan Constantin	Valahia University of Targoviste
11:00-11:15	ThM1.3
Ovarian Tumor Segmentation in Ultrasound Images Using U-Net Architectures (I) , pp. 13-18.	
Sima, Maria-Cristina	National University of Science and Technology Politehnica Buchar
Popescu, Dan	National University of Science and Technology Politehnica Buchar
Ichim, Loretta	Politehnica University of Bucharest
11:15-11:30	ThM1.4
Text to SQL Using Retrieval-Augmented Generation and Large Language Models (I) , pp. 19-24.	
Zahia, Ionel Gabriel	National University of Science and Technology Politehnica Buchar
Ichim, Loretta	Politehnica University of Bucharest
Popescu, Dan	National University of Science and Technology Politehnica Buchar
11:30-11:45	ThM1.5
Deep Learning Classification of Ovarian Tumor Stage by an Ensemble of Neural Networks (I) , pp. 25-30.	
Andone, Miruna-Cristina	National University of Science and Technology Politehnica Buchar

Popescu, Dan	National University of Science and Technology Politehnica Buchar
Ichim, Loretta	Politehnica University of Bucharest
Cirneanu, Andrada-Livia	Military Technical Academy Ferdinand I

11:45-12:00

ThM1.6

Analysis of Energy Data Forecasting Performance in Low-Voltage DC Microgrids (I), pp. 31-36.

Mitroi, Daniel-Catalin	UNSTPB
Nichiforov, Cristina	University "Politehnica" of Bucharest
Stamatescu, Iulia	University Politehnica of Bucharest
Stamatescu, Grigore	University Politehnica of Bucharest

Day 1 – Before noon

ThM2	Beijing, City Plaza, 5 th floor
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Intelligent Systems and Software Tools (Regular session)

Chair: Kloetzer, Marius	Gheorghe Asachi Technical University of Iasi
Co-Chair: Gavrilescu, Marius	Gheorghe Asachi Technical University of Iasi

10:30-10:45

ThM2.1

Intelligent Document Processing: Methods for Automated Data Extraction, pp. 37-42.

Anghiuș, Ioan Florin	Faculty of Automation and Computer Science, Technical University
Valean, Honoriu	Technical University of Cluj-Napoca

10:45-11:00

ThM2.2

Lightweight Fertilizer Recommendation: Evaluation of KNN, Naive Bayes, Decision Trees, SVD, and Gradient Boosted Trees, pp. 43-48.

Baraian, Iulia-Maria	Technical University of Cluj-Napoca
Valean, Honoriu	Technical University of Cluj-Napoca
Erdei, Rudolf	Technical University of Cluj-Napoca

11:00-11:15

ThM2.3

Mixed Reality Application to Support Hearing-Impaired Users Based on Microsoft HoloLens 2 and Machine Learning, pp. 49-54.

Aiordăchioae, Adrian	"Ștefan Cel Mare" University of Suceava
Schipor, Ovidiu Andrei	Stefan Cel Mare University of Suceava

11:15-11:30

ThM2.4

LambdaGo: A Functional Extension of the Go Programming Language, pp. 55-60.

Olteanu, Vlad	Bitdefender
Oprisa, Ciprian	Technical University of Cluj-Napoca

11:30-11:45

ThM2.5

Practical Applications of Quantum Computing for Optimization Problems, pp. 61-68.

Zuccari, Lorenzo	Almaviva S.p.A
D'Agostini, Emanuele	Almaviva S.p.A
Previtali, Fabio	Almaviva S.p.A

11:45-12:00

ThM2.6

Application Based on Artificial Intelligence for Automatic Classification of Thyroid Ultrasound Images, pp. 69-70.

Popa, Didi Liliana	Universitatea Din Craiova, Facultatea De Automatica, Calculatoar
Popa, Radu Teodoru	University of Craiova
Barbulescu, Lucian-Florentin	University of Craiova
Barbulescu, Linda Nicoleta	University of Medicine and Pharmacy Craiova

Day 1 – Before noon

ThM3	Venezia, City Plaza, 5 th floor
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Robotics 1 (Regular session)

Chair: Brasoveanu, Florian-Alexandru	Technical University of Iasi
Co-Chair: Hustiu, Sofia	"Gheorghe Asachi" Technical University of Iasi

10:30-10:45

ThM3.1

Hyper-Redundant Arm Control for Load Grasping, pp. 71-76.

Ivanescu, Mircea	University of Craiova
Nitulescu, Mircea	University of Craiova
Vladu, Ionel Cristian	University of Craiova

10:45-11:00	ThM3.2
Embedded UWB-BLE Indoor Localization and Telemetry Platform for Mobile Robots, pp. 77-82.	
Lemnariu, Flaviu Rares	Robert Bosch SRL
Fillimon, Radu	Robert Bosch SRL
Toiu, Andreea	Babes-Bolyai University
Teodor, Marginean	Robert Bosch SRL
Iakymchuk, Roman	Uppsala University
Muresan, Vlad	Technical University of Cluj-Napoca
Muntean, Ionut	Technical University of Cluj-Napoca
11:00-11:15	ThM3.3
Vehicle Routing Problem with Pick-Up and Delivery Tasks in Obstacle-Cluttered Environment, pp. 83-88.	
Barb-Ciorbea, Mihaela-Alexandra	"Gheorghe Asachi" Technical University of Iasi
Kloetzer, Marius	Gheorghe Asachi Technical University of Iasi
Mahulea, Cristian	University of Zaragoza
11:15-11:30	ThM3.4
A Machine Learning Solution for Humanoid Robot Control Leveraging Multi-Objective Optimization, pp. 89-94.	
Mateescu, Andrei	Faculty of Automatic Control and Computers, National University
Stefan, Ioana Livia	Universitatea Națională De Știință 5
Vlasceanu, Ioana-Miruna	Department of Automatic Control and Systems Engineering, Univers
Segarceanu, Mircea	UNSTPB
Popescu, Dragos Constantin	Faculty of Automatic Control and Computers, National University
Sacala, Ioan Stefan	University Politehnica of Bucharest
11:30-11:45	ThM3.5
Development of a Charge-Coupled Device Based Sensor Module for Mobile Robots, pp. 95-100.	
Mihok-Ecsedi, Eveline-Emilia-Elisa	Technical University of Cluj-Napoca
Abrudean, Mihail	Technical University of Cluj-Napoca
Silaghi, Helga Maria	University of Oradea
11:45-12:00	ThM3.6
Real-Time Communication Framework for Connected Robots: Testing and Validation of Control Algorithms, pp. 101-106.	
Lazar, Razvan-Gabriel	Gheorghe Asachi Technical University of Iasi
Pauca, Ovidiu	"Gheorghe Asachi" Technical University of Iasi
Caruntu, Constantin-Florin	Gheorghe Asachi Technical University of Iasi
12:00-12:15	ThM3.7
Reinforcement Learning-Driven Control Architecture for Mobile Manipulation Robots, pp. 107-112.	
Serebreanschi, Alexandru	Gheorghe Asachi Technical University of Iasi
Burlacu, Adrian	Gheorghe Asachi Technical University of Iasi

Day 1 – Before noon

ThM4	Ken Sai, City Plaza, 6 th floor
Neural Networks 1 (Regular session)	
Chair: Leon, Florin	Gheorghe Asachi Technical University of Iasi
Co-Chair: Hulea, Mihai	Technical University of Cluj-Napoca
10:30-10:45	ThM4.1
CNN-Based Early Fusion with Intensity Features for Road Surface Classification, pp. 113-118.	
Botezatu, Adrian Paul	Gheorghe Asachi Technical University of Iasi
Burlacu, Adrian	Gheorghe Asachi Technical University of Iasi
10:45-11:00	ThM4.2
Improving WAF Performance with Advanced ML Models: From RNN to GRU and LSTM, pp. 119-124.	
Chindrus, Cristian	Gheorghe Asachi Technical University of Iasi
Caruntu, Constantin-Florin	Gheorghe Asachi Technical University of Iasi
11:00-11:15	ThM4.3
Clickbait Detection Using NLP and Sentiment Analysis, pp. 125-131.	
Buțu, Alexandra-Gabriela	Gheorghe Asachi Technical University of Iasi
Iorga, Elena	Gheorghe Asachi Technical University of Iasi
Dumitriu, Tiberius	"Gheorghe Asachi" Technical University of Iasi

11:15-11:30	ThM4.4
Deep Models with and without Early Fusion for Automatic Lip Reading, pp. 132-137.	
Tonu, Sebastian	Gheorghe Asachi Technical University of Iasi
Ferariu, Lavinia	Gheorghe Asachi Technical University of Iasi
11:30-11:45	ThM4.5
Sign Language Detection Using Deep Learning, pp. 138-143.	
Costin, Ioana Alexandra	Gheorghe Asachi Technical University of Iasi
Mirea, Letitia	Gheorghe Asachi Technical University of Iasi
11:45-12:00	ThM4.6
Evaluating Latent Space Modeling in BiLSTM Autoencoders for Time Series Anomaly Detection, pp. 144-149.	
Mariciuc, Andrei-Alexandru	Gheorghe Asachi Technical University of Iasi
Ferariu, Lavinia	Gheorghe Asachi Technical University of Iasi
12:00-12:15	ThM4.7
Beyond Dataset Boundaries: Analyzing Cross-Domain Performance of Person Re-Identification Existing Methods, pp. 150-155.	
Andreescu, Mihai	Politehnica University Timisoara
Caleanu, Catalin Daniel	Politehnica University of Timisoara

Day 1 – Before noon

ThM5	Aula Domsa, TUCN, 15 Daicoviciu Street, first floor
Nonlinear Systems (Regular session)	
Chair: Dogruer, Can Ulas	Hacettepe University
Co-Chair: Ghinea, Liliana Maria	University Dunarea De Jos Galati
10:30-10:45	ThM5.1
Approximate Feedback Linearization with Control Barrier Function Based Compensation: A Ball and Beam Case Study, pp. 156-162.	
Precup, Alina-Claudia	Technical University of Cluj-Napoca
Susca, Mircea	Technical University of Cluj-Napoca
10:45-11:00	ThM5.2
On Triangular Forms for X-Flat Control-Affine Systems with Two Inputs, pp. 163-170.	
Hartl, Georg	Johannes Kepler University
Gstöttner, Conrad	Johannes Kepler University Linz
Schöberl, Markus	Johannes Kepler University Linz
11:00-11:15	ThM5.3
Chaos Based Pseudo-Random Number Generator, pp. 171-176.	
Tudurache, Gerard-Constantin	Politehnica University of Bucharest
Scarpa, Giannicola	Universidad Politécnica De Madrid
Udrea, Andreea	Politehnica University of Bucharest
Flutur, Cristian	Politehnica University of Bucharest
11:15-11:30	ThM5.4
Lyapunov Control of a Load Torque Emulator with Bidirectional DC-DC Converter, pp. 177-184.	
Kelemen, András	Sapientia Hungarian University of Transylvania
Ferencz, János	Technical University of Cluj-Napoca, Doctoral School
Imecs, Maria	Technical University of Cluj Napoca
11:30-11:45	ThM5.5
An Algebraic Approach to Accessibility of Angular Orbital Momentum, pp. 185-191.	
Gerbeth, Daniel	TU Dresden
Röbenack, Klaus	TU Dresden
11:45-12:00	ThM5.6
Utilizing Barrier Phases in Set-Based Transient Power Grid Stability Analysis, pp. 192-198.	
Molnár, Gyula	Pázmány Péter Catholic University
Aschenbruck, Tim	Volkswagen AG
Szederkényi, Gábor	Pazmany Peter Catholic University
Streif, Stefan	Technische Universität Chemnitz

12:30-14:00

Lunch,

City Plaza, Marco Polo Restaurant, first floor (or mezzanine)

Day 1 – In the afternoon

ThP2P	Ballroom, City Plaza, ground floor
Emergent Behavior, Robustness, and Adaptation in Heterogeneous Multi-Agent Systems (Plenary talk)	
Chair: Muresan, Vlad	Technical University of Cluj-Napoca
14:00-15:00	ThP2P.1
<i>Emergent Behavior, Robustness, and Adaptation in Heterogeneous Multi-Agent Systems*</i> .	
Shim, Hyungbo	Seoul National University

Day 1 – In the afternoon

ThA11	Ballroom, City Plaza, ground floor
IS: Information Security, Parallel and Distributed Computing, and Decentralized Technologies - Part 1 (Invited session)	
Chair: Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
Co-Chair: Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
Organizer: Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
Organizer: Butincu, Cristian Nicolae	"Gheorghe Asachi" Technical University of Iasi
Organizer: Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
15:00-15:15	ThA11.1
Digital Product Passport Data Transfer Via Dataspace Connector: Technical Implementation and Analysis, pp. 199-204.	
Hulea, Mihai	Technical University of Cluj-Napoca
Miron, Radu	Technical University of Cluj-Napoca, Faculty of Automation and C
Saveanu, Georgel	Technical University of Cluj-Napoca
15:15-15:30	ThA11.2
Enhancing Data Resilience and Security in Distributed Storage Systems against Ransomware Attacks (I), pp. 205-210.	
Voineag, Diana-Ioana	Gheorghe Asachi Technical University of Iasi
Mironeanu, Catalin	Technical University "Gheorghe Asachi" of Iasi
15:30-15:45	ThA11.3
GPU Kernel Optimizations for Genetic Algorithms on CUDA (I), pp. 211-216.	
Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
Scînteie, Gabriel-Alexandru	Gheorghe Asachi Technical University of Iasi
Caraiman, Simona	Technical University of Iasi
15:45-16:00	ThA11.4
EduPlay: Interactive Learning Platform for Middle School Students Integrated with Gamification and Blockchain (I), pp. 217-222.	
Antalute, Flavia	Gheorghe Asachi Technical University of Iasi
Marcu, Alexia	Gheorghe Asachi Technical University of Iasi
Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
16:00-16:15	ThA11.5
Decentralized Educational Certification Platform Using Blockchain, Dynamic NFTs, and AI-Based Assessment (I), pp. 223-228.	
Marcu, Alexia	Gheorghe Asachi Technical University of Iasi
Antalute, Flavia	Gheorghe Asachi Technical University of Iasi
Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
16:15-16:30	ThA11.6
SPARK-IT: A Decentralized Blockchain and AI-Driven Ecosystem for Trusted and Transparent Innovation Collaboration (I), pp. 229-234.	
Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
Butincu, Cristian Nicolae	"Gheorghe Asachi" Technical University of Iasi
Scînteie, Gabriel-Alexandru	Gheorghe Asachi Technical University of Iasi
Pavăl, Silviu-Dumitru	"Gheorghe Asachi" Technical University of Iasi

Archip, Alexandru	"Gheorghe Asachi" Technical University of Iasi
Mironeanu, Catalin	Technical University "Gheorghe Asachi" of Iasi
Taune, Mircea-Stefan	Sigma Appdev Srl
Graunte, Cristian	Heroic SRL
Butnaru, Gheorghita	Gheorghe Asachi Technical University of Iasi
Caraiman, Simona	Technical University of Iasi

Day 1 – In the afternoon

ThA12	Beijing, City Plaza, 5 th floor
Control Applications 1 (Regular session)	
Chair: Albita, Anca	University of Craiova, Faculty of Automation, Computers and Electronics
Co-Chair: Roman, Raul-Cristian	Politehnica University of Timisoara
15:00-15:15	ThA12.1
Modified Buck Converter Generating Two Independent Output Voltages Using Resonances: A Case Study, pp. 235-240.	
Röbenack, Klaus	TU Dresden
Gerbet, Daniel	TU Dresden
15:15-15:30	ThA12.2
Stabilization Approach for the Improved Model of $\\$1D\\$ Mechanical Systems with Linear Motion Coordinates, pp. 241-247.	
Danciu, Daniela	University of Craiova
Popescu, Dan	University of Craiova
Rasvan, Vladimir	Romanian Academy of Engineering Sciences (ASTR)
15:30-15:45	ThA12.3
Stochastic Model Predictive Control with Direct Feedforward Compensation: Harvesting Idle Resources in High-Performance Computing, pp. 248-254.	
Halitim, Kouds	Inria
Robu, Bogdan	Universite Grenoble Alpes
Cerf, Sophie	INRIA
Bleuse, Raphaël	Univ. Grenoble Alpes
Rutten, Eric	LIG / INRIA Grenoble
15:45-16:00	ThA12.4
Robust Control of Rotary Tablet Press Via Suboptimal Open-Loop Augmentation Scheme, pp. 255-261.	
Susca, Mircea	Technical University of Cluj-Napoca
Nascu, Ioana	Technical University of Cluj Napoca
Mihaly, Vlad Mihai	Technical University of Cluj-Napoca
16:00-16:15	ThA12.5
Sensitivity Analysis of Sampled Robust Controller Designed for Two-Axis CNC Machines, pp. 262-267.	
Tămaş, Ana-Gabriela	Technical University of Cluj-Napoca
Sabau, Dora Laura	Technical University of Cluj-Napoca
Mihaly, Vlad Mihai	Technical University of Cluj-Napoca
Susca, Mircea	Technical University of Cluj-Napoca
Dobra, Petru	Technical University of Cluj

Day 1 – In the afternoon

ThA13	Venezia, City Plaza, 5 th floor
Robotics 2 (Regular session)	
Co-Chair: Barb-Ciorbea, Mihaela-Alexandra	"Gheorghe Asachi" Technical University of Iasi
15:00-15:15	ThA13.1
A SNN-Based Approach to Bending Control of a Hybrid Soft Actuator, pp. 268-273.	
Brasoveanu, Florian-Alexandru	Technical University of Iasi
Hulea, Mircea	Gheorghe Asachi Technical University of Iasi
Burlacu, Adrian	Gheorghe Asachi Technical University of Iasi
15:15-15:30	ThA13.2
Digital Twin-Based Architecture for Efficiency and Safety Enhancement in Dynamic Workspaces, pp. 274-279.	
Cobuz, Adelina-Nicoleta	Gheorghe Asachi Technical University of Iasi
Sopon, Ionut	Gheorghe Asachi Technical University of Iasi

Botezatu, Adrian Paul	Gheorghe Asachi Technical University of Iasi
Brasoveanu, Florian-Alexandru	Technical University of Iasi
Burlacu, Adrian	Gheorghe Asachi Technical University of Iasi
15:30-15:45	ThA13.3
BiSpiral: A Geometric Approach to Convex Surfaces Coverage, pp. 280-285.	
Roman, Beatrice-Gabriela	Facultatea De Automatica Si Calculatoare
Toader, Andrada-Anamaria	Gheorghe Asachi Technical University of Iasi (TUIASI)
Brasoveanu, Florian-Alexandru	Technical University of Iasi
Hustiu, Sofia	"Gheorghe Asachi" Technical University of Iasi
15:45-16:00	ThA13.4
Developing a Low-Cost Robotic Assistant for Template-Based Artistic Training, pp. 286-291.	
Tota, Paul	Politehnica University of Timișoara
Tirian, Gelu-Ovidiu	Politehnica University Timișoara
Vaida, Mircea-Florin	Technical University from Cluj-Napoca
Chiorean, Ligia	Technical University from Cluj-Napoca
Chioncel, Cristian-Paul	Babes-Bolyai University
16:00-16:15	ThA13.5
Enhanced Convex Lifting for Environment with Complex Shaped Obstacles, pp. 292-297.	
Zhao, Zhixin	Universté Paris-Saclay
Konyalioglu, Turan	Centrale-Supélec
Olaru, Sorin	CentraleSupélec
Girard, Antoine	CNRS
Niculescu, Silviu-Iulian	University Paris-Saclay, CNRS, CentraleSupélec, Inria
16:15-16:30	ThA13.6
Design and Implementation of a 3D-Printed Educational Delta Robot with Passive Safety Mechanism, pp. 298-301.	
Baias, Victor Dan	Technical University of Cluj-Napoca
Gota, Dan Ioan	Technical University of Cluj Napoca
Miclea, Liviu	Technical University of Cluj-Napoca
16:30-16:45	ThA13.7
Comparative Study of Classical Coverage Methods Applied to Trapezoidal Environments, pp. 302-307.	
Țicloș, Cristian	Gheorghe Asachi Technical University of Iasi
Hustiu, Sofia	"Gheorghe Asachi" Technical University of Iasi

Day 1 – In the afternoon

ThA14	Ken Sai, City Plaza, 6 th floor
Neural Networks 2 (Regular session)	
Chair: Archip, Alexandru	"Gheorghe Asachi" Technical University of Iasi
Co-Chair: Mirea, Letitia	Gheorghe Asachi Technical University of Iasi
15:00-15:15	ThA14.1
Specialized Convolutional Neural Network Architecture in Brain Tumor Diagnosis, pp. 308-313.	
Lupascu, Codrin-Alexandru	Technical University "Gheorghe Asachi" of Iasi
Nechifor, Ionuț-Sebastian	Tehnicla University "Gh. Asachi", Iași
15:15-15:30	ThA14.2
Novel Convolutional Neural Network Architecture for Mental Disorder Classification, pp. 314-319.	
Lupascu, Codrin-Alexandru	Technical University "Gheorghe Asachi" of Iasi
Macovei, Maria-Iasmina	Gheorghe Asachi Technical University of Iași
15:30-15:45	ThA14.3
Edge AI on Obsolete Hardware: Fully Local Emotion Recognition on the NAO Robot, pp. 320-325.	
Iva, Antonin	Faculty of Automatic Control and Computer Engineering
Zvorișteanu, Otilia	"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom
Achirei, Stefan Daniel	Gheorghe Asachi Technical University of Iasi
15:45-16:00	ThA14.4
DenseWinNet: A Hybrid CNN-Transformer Model for Robust Classification in Uncontrolled Environments, pp. 326-333.	
Vitasoa, Deric Claudio	University of Fianarantsoa, Doctoral School of Com
Randriamitsiry, Paul Mahenina	University of Fianarantsoa, Doctoral School of Computer Modeling
Razafimahatratra, Hajarisena	Laboratory for Mathematical and Computer Applied to the

Thomas, Mahatody	Developm PhD at the National School for Computer Engineering and the Dir
16:00-16:15	ThA14.5
Magnetic Field SLAM Approach Based on Unscented Kalman Filter and Physics Informed Neural Network, pp. 334-338.	
Magad, Adeb	King Fahd University of Petroleum and Minerals
Emzir, Muhammad	King Fahd University of Petroleum and Minerals
16:15-16:30	ThA14.6
NovaEduPTuneBO: Bayesian Optimization Likelihood-Free Prompt Tuning for Black-Box LLM Applied to Educational Script Generation Using Deep Neural Network, pp. 339-344.	
Mahefa, Mahefa Abel RAZAFINIRINA	University of Fianarantsoa
Nadia, Rindra Nadia RAZAFIARINIRINA	University of Fianarantsoa
Elysa, Elysa RAZAFINDRAFARA	University of Fianarantsoa
Dimbisoa, William Germain	University of Fianarantsoa
Mahatody, Thomas	Ecole Doctorale Pour La Modélisation Informatique (EDMI)

Day 1 – In the afternoon

ThA15	Aula Domsa, TUCN, 15 Daicoviciu Street, first floor
Women in Engineering (Round table)	
Chair: Popescu, Elvira	University of Craiova
Co-Chair: Dulf, Eva	Technical University of Cluj-Napoca
15:00-16:30	ThA15

Day 1 – In the afternoon

ThA16	467, TUCN, 15 Daicoviciu Street, first floor, to the right
Identification and Fault Detection (Regular session)	
Chair: Matcovschi, Mihaela-Hanako	Gheorghe Asachi Technical University of Iasi
Co-Chair: Lupu, Ciprian	Politehnica University of Bucharest
15:00-15:15	ThA16.1
Li-Ion Battery Voltage and Temperature Estimation Integrated with Degradation Behavior, pp. 345-350.	
Margin, Petrisor-Victor	Technical University of Cluj-Napoca
Mihaly, Vlad Mihai	Technical University of Cluj-Napoca
15:15-15:30	ThA16.2
Reliability Analysis of a Smart Indoor Garden Developed Using IoT Technologies, pp. 351-356.	
Misaros, Marius	Technical University of Cluj Napoca
Stan, Ovidiu	Technical University of Cluj Napoca, Faculty of Automation and C
Enyedi, Szilárd	Technical University of Cluj-Napoca
Stan, Anca	Industrial Engineering, Robotics and Production Management, Tech
Niste, Daniela	Technical University of Cluj Napoca
Miclea, Liviu	Technical University of Cluj-Napoca
15:30-15:45	ThA16.3
Comparative Analysis of Custom and Classical Radial Basis Function Network for Mechanical Fault Detection in Wastewater Treatment Plants, pp. 357-362.	
Ghinea, Liliana Maria	University Dunarea De Jos Galati
Vasiliev, Iulian	Dunarea De Jos University of Galati
Barbu, Marian	Dunarea De Jos University of Galati
15:45-16:00	ThA16.4
Online Identification Using Markov Coefficients: Application to a DC Motor, pp. 363-368.	
Stiole, Simona-Daiana	Technical University of Cluj-Napoca
Lendek, Zsofia	Technical University of Cluj-Napoca
Mihaly, Vlad Mihai	Technical University of Cluj-Napoca
Susca, Mircea	Technical University of Cluj-Napoca
Medgyesi, Attila	Technical University of Cluj-Napoca
Pica, Anca Elena	Technical University of Cluj-Napoca
Pisla, Doina	Technical University of Cluj-Napoca
Vaida, Calin	Technical University of Cluj-Napoca
Dobra, Petru	Technical University of Cluj

16:00-16:15	ThA16.5
Underbrake Fault Detection in Automotive Systems Using Advanced Neural Network Architectures, pp. 369-374.	
Ciobanu, Teofil	Faculty of Automatic Control and Computer Engineering, "Gheorghe
Chioaru, Otilia	Faculty of Automatic Control and Computer Engineering, "Gheorghe
George, Maties	"Gheorghe Asachi" Technical University Iasi
Mirea, Letitia	Gheorghe Asachi Technical University of Iasi
Caruntu, Constantin-Florin	Gheorghe Asachi Technical University of Iasi
16:15-16:30	ThA16.6
Comparative Study of Closed-Loop System Identification Methods for Real-Time Embedded Mechatronic Applications, pp. 375-380.	
Bonal, Louis	CentraleSupélec
Laraba, Mohammed Tahar	Safran Electronics & Defense
Lhachemi, Hugo	CentraleSupélec
Olaru, Sorin	CentraleSupélec
16:30-17:00 Coffee break, City Plaza, the hall in front of the Ballroom, ground floor	

Day 1 – In the afternoon

ThA21	Ballroom, City Plaza, ground floor
IS: Information Security, Parallel and Distributed Computing, and Decentralized Technologies - Part 2 (Invited session)	
Chair: Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
Co-Chair: Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
Organizer: Alexandrescu, Adrian	Gheorghe Asachi Technical University of Iasi
Organizer: Butincu, Cristian Nicolae	"Gheorghe Asachi" Technical University of Iasi
Organizer: Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
17:00-17:15	ThA21.1
Exploring Gradient Boosting Machine for Parkinson's Disease Classification Using Accelerometer Data (I), pp. 381-386.	
Stoleru, Andrei	Gheorghe Asachi Technical University of Iasi
Butincu, Cristian Nicolae	"Gheorghe Asachi" Technical University of Iasi
Sarmasanu, Vasile Silviu	Technical University Gheorghe Asachi Iasi
Manta, Vasile	Gheorghe Asachi Technical University of Iasi
17:15-17:30	ThA21.2
Improving Maze Exploration and Evacuation with Reactive Agents through Directional Weighting (I), pp. 387-392.	
Gavrilescu, Marius	Gheorghe Asachi Technical University of Iasi
Scînteie, Gabriel-Alexandru	Gheorghe Asachi Technical University of Iasi
Barbuta, Delia Elena	Gheorghe Asachi Technical University, Iasi
Leon, Florin	Gheorghe Asachi Technical University of Iasi
17:30-17:45	ThA21.3
XSSnake: A Practical Study in Synthetic XSS Payload Generation (I), pp. 393-398.	
Fodor, Maria-Gabriela	"Gheorghe Asachii" Technical University of Iasi
Teodor, Gorghe	"Gheorghe Asachi" Technical University of Iasi
17:45-18:00	ThA21.4
Development of a Comprehensive Process Management and Optimization System Using the Windows API, pp. 399-404.	
Sîngerean, Tudor-Cristian	Technical University of Cluj-Napoca
Draghici, Bogdan Gabriel	Technical University of Cluj Napoca, Faculty of Automation and C
Dobre, Alexandra Elena	Technical University of Cluj Napoca, Faculty of Automation and C
Stan, Ovidiu	Technical University of Cluj Napoca, Faculty of Automation and C
Miclea, Liviu	Technical University of Cluj-Napoca
18:00-18:15	ThA21.5
Lightweight Cyber Threat Intelligence Automation Using NLP and Visualization Tools on Raspberry Pi, pp.	

405-410.

Donat, Bogdan
 Draghici, Bogdan Gabriel
 Stan, Ovidiu

UTCN
 Technical University of Cluj Napoca, Faculty of Automation and C
 Technical University of Cluj Napoca, Faculty of Automation and C

18:15-18:30

ThA21.6

NetShield Lite: A Network Security Tool with RealTime DoS Detection and AI-Enhanced Vulnerability Assessment, pp. 411-416.

Blömer, Mihaela
 Draghici, Bogdan Gabriel
 Stan, Ovidiu

Technical University of Cluj-Napoca
 Technical University of Cluj Napoca, Faculty of Automation and C
 Technical University of Cluj Napoca, Faculty of Automation and C

18:30-18:45

ThA21.7

Optimization of Smart Contract Reentrancy Vulnerabilities Based on Static Analysis, pp. 417-422.

Randriamiarison, Zilga Heritiana
 Razafimahatratra, Hajarisena

University of Fianarantsoa
 Laboratory for Mathematical and Computer Applied to the Developm
 Laboratory of Multidisciplinary Applied Research (LRAM), Univers
 RSILab Laboratory, Higher School of Technology, Ibn Tofail Unive

Day 1 – In the afternoon

ThA22	Beijing, City Plaza, 5 th floor
Control Applications 2 (Regular session)	
Chair: Röbenack, Klaus	TU Dresden
17:00-17:15	ThA22.1
Electrical Event Synchronization through IoT Record Triggering, pp. 423-428.	
Albita, Anca	University of Craiova, Faculty of Automation, Computers and Elec
Selisteanu, Dan	University of Craiova
Stinga, Florin	University of Craiova
Popa, Bogdan	University of Craiova
17:15-17:30	ThA22.2
Fictitious Reference Iterative Tuning of Active Disturbance Rejection Control Combined with Fuzzy Logic for Crane Systems, pp. 429-435.	
Roman, Raul-Cristian	Politehnica University of Timisoara
Precup, Radu-Emil	Politehnica University of Timisoara
Petriu, Emil	University of Ottawa
Chiru, Alexandru-Marian	Politehnica University of Timisoara
17:30-17:45	ThA22.3
Smart Integration of Placement Machines and Reflow Oven Using Node-RED and PLC Control, pp. 436-440.	
Dulgheriu, Vasile Alexandru	Technical University of Cluj-Napoca
Filip, Imre	Technical University of Cluj Napoca
Abrudean, Mihail	Technical University of Cluj-Napoca
17:45-18:00	ThA22.4
A TSCH-Based Wireless Control Network for Fast Industrial Processes Using IEEE 802.15.4 Extensions, pp. 441-446.	
Rusu, Andrei	Technical University of Cluj-Napoca
Dobra, Petru	Technical University of Cluj
Saveanu, Georgel	Technical University of Cluj-Napoca
18:00-18:15	ThA22.5
Automated Microclimate Monitoring in Poultry Farms Using Arduino and Node-RED, pp. 447-452.	
Mihu, Denis Catalin	Technical University of Cluj Napoca
Sita, Ioan Valentin	Technical University of Cluj-Napoca

Day 1 – In the afternoon

ThA23	Venezia, City Plaza, 5 th floor
Linear and Finite State Systems (Regular session)	
Co-Chair: Bonal, Louis	CentraleSupélec
17:00-17:15	ThA23.1
Choosing Augmentation Parameters in OSQP - a New Approach Based on Conjugate Directions, pp. 453-457.	
Kumar, Avinash	CentraleSupélec (University of Paris-Saclay)

17:15-17:30	ThA23.2
Event-Driven Object Enhanced Time Petri Nets Verification towards Dense-Time, pp. 458-463.	
Al- Janabi, Dahlia	Technical University of Cluj-Napoca
Santa, Maria-Magdalena	Technical University of Cluj-Napoca
17:30-17:45	ThA23.3
Procedure for Modeling, Identification and Control of a Sustainable House Heating, pp. 464-469.	
Rafa, Claudiu	Technical University of Cluj-Napoca
Cuibus, Octavian	Technical University of Cluj-Napoca
Al- Janabi, Dahlia	Technical University of Cluj-Napoca
Santa, Maria-Magdalena	Technical University of Cluj-Napoca
Letia, Tiberiu Stefan	Technical University of Cluj-Napoca
17:45-18:00	ThA23.4
Data-Based Optimal Control of Logical Networks, pp. 470-475.	
Disaro', Giorgia	University of Padova
Valcher, Maria Elena	Universita' Di Padova
18:00-18:15	ThA23.5
On Strong Stability of Discrete and Continuous-Time Linear Systems, pp. 476-481.	
Matcovschi, Mihaela-Hanako	Gheorghe Asachi Technical University of Iasi
Pastravanu, Octavian-Cezar	Gheorghe Asachi Technical University of Iasi

Day 1 – In the afternoon

ThA24	Ken Sai, City Plaza, 6 th floor
IS: An Insight into Innovative Approaches in Biomedical Engineering (Invited session)	
Chair: Dulf, Eva Henrietta	Technical University of Cluj Napoca
Co-Chair: Muresan, Cristina Ioana	Technical University of Cluj-Napoca
Organizer: Dulf, Eva Henrietta	Technical University of Cluj Napoca
Organizer: Muresan, Cristina Ioana	Technical University of Cluj-Napoca
Organizer: Kovacs, Levente	Obuda University
17:00-17:15	ThA24.1
Personalized Control Using Fractional Calculus for Patients Experiencing Surgical Stimuli (I), pp. 482-487.	
Badau, Nicoleta Elena	Technical University of Cluj-Napoca
Popescu, Teodora Maria	Technical University of Cluj-Napoca
Mihai, Marcian David	Technical University of Cluj-Napoca
Birs, Isabela Roxana	Technical University of Cluj-Napoca
Muresan, Cristina Ioana	Technical University of Cluj-Napoca
17:15-17:30	ThA24.2
Analysis of Leading FPGA-Based Hardware Technologies Efficiency in DNA Reassembly (I), pp. 488-493.	
Szasz, Csaba	Technical University of Cluj
Dulf, Eva Henrietta	Technical University of Cluj Napoca
17:30-17:45	ThA24.3
Robust Linearization Strategies for Glucose Control (I), pp. 494-499.	
Pintea, Paul-Andrei	Technical University of Cluj-Napoca
Mihaly, Vlad Mihai	Technical University of Cluj-Napoca
Susca, Mircea	Technical University of Cluj-Napoca
Dobra, Petru	Technical University of Cluj
17:45-18:00	ThA24.4
A Comparison between Neural Network and Physics Informed Neural Network Modelling of Drug Diffusion (I), pp. 500-505.	
Pintea, Paul-Andrei	Technical University of Cluj-Napoca
Dulf, Eva Henrietta	Technical University of Cluj Napoca
18:00-18:15	ThA24.5
Correlation and Accuracy Study on a Large Defect Detection Dataset (I), pp. 506-511.	
Tulbure, Andrei Alexandru	Technical University of Cluj Napoca
Danciu, Dermina Petronela	Cluj Bar
Tulbure, Adrian Alexandru	Universitatea 1 Decembrie Alba Iulia
Dulf, Eva Henrietta	Technical University of Cluj Napoca
18:15-18:30	ThA24.6

From Overfitting to Generalization: A Methodological Framework for Heart Failure Detection Using Optimized Ensemble Machine Learning Models, pp. 512-517.

Bădoi, Cornelia Ionela

The National University of Science and Technology Politehnica Bu

18:30-18:45

ThA24.7

Evaluation of Non-Alcoholic Fatty Liver Disease from Ultrasound Images Based on Deep Learning, pp. 518-522.

Simion, Georgiana

Univeristatea Politehnica Timisoara

Nicolae, Marius-Lucian

Universitatea Politehnica Timisoara

Day 1 – In the afternoon

ThA25

Aula Domsa, TUCN, 15 Daicoviciu Street, first floor

Industry Applications (Round table)

Chair: Muresan, Vlad

Technical University of Cluj-Napoca

17:00-18:30

ThA25

Day 1 – In the afternoon

ThA26

467, TUCN, 15 Daicoviciu Street, first floor, to the right

Machine Learning (Regular session)

Chair: Valean, Honoriu

Technical University of Cluj-Napoca

17:00-17:15

ThA26.1

Investigating Machine Learning Models for Sound Source Localization to Support Augmented Reality Applications for Users with Hearing Impairments, pp. 523-528.

Aiordăchioae, Adrian

"Ștefan Cel Mare" University of Suceava

Schipor, Ovidiu Andrei

Ștefan Cel Mare University of Suceava

17:15-17:30

ThA26.2

Generating and Optimizing What-If Scenarios Using a Transformers-Based Forecasting Model, pp. 529-534.

Grigoras, Alexandru

"Gheorghe Asachi" Technical University of Iasi

Leon, Florin

Gheorghe Asachi Technical University of Iasi

17:30-17:45

ThA26.3

Action Masking Methods for Safe Reinforcement Learning in a Non-Stationary Configurable Environment, pp. 535-540.

Leon, Florin

Gheorghe Asachi Technical University of Iasi

17:45-18:00

ThA26.4

Hybrid Regression Approach for Enhanced Solar Energy Estimation Using Sky Images, pp. 541-546.

Ciobanu, Alexandru-Adrian

University of Craiova

Jafari, Fereshteh

University of Applied Sciences and Arts Western Switzerland

Moerschell, Joseph

University of Applied Sciences and Arts Western Switzerland

Serpar, Ariana-Andra

West University of Timisoara

Bacanin, Nebojsa

Singidunum University

Stoean, Catalin

University of Craiova

18:00-18:15

ThA26.5

Machine Learning Based Methods for Forecasting Meteorological Parameters, pp. 547-552.

Ologu, Catinca-Ioana

University Politehnica Bucharest

Culita, Janetta

"Politehnica" University of Bucharest

Popescu, Dan

National University of Science and Technology Politehnica Buchar

Lazar, Catalin

National Agricultural Research and Development Institute

18:15-18:30

ThA26.6

Numerical Simulation of Reaction-Diffusion Model for Graph-Based Data Clustering, pp. 553-556.

Pavăl, Silviu-Dumitru

"Gheorghe Asachi" Technical University of Iași

Manta, Vasile

Gheorghe Asachi Technical University of Iasi

Heghea, Mihail Cristian

Gheorghe Asachi Technical University of Iasi

19:00 - 22:00

Banquet,

City Plaza, Marco Polo Restaurant, first floor (or mezzanine)

Day 2. Technical Program for Friday, October 10, 2025

Day 2 – Before noon

FrP110	Ballroom, City Plaza, ground floor
Resurrecting Recurrent Neural Networks for Long Sequences (Plenary talk)	
Chair: Popescu, Elvira	University of Craiova
09:00-10:00	FrP110.1
Resurrecting Recurrent Neural Networks for Long Sequences* .	
Pascanu, Razvan	Google DeepMind

10:00-10:30

Coffee break,

City Plaza, the hall in front of the Ballroom, ground floor

Day 2 – Before noon

FrM1	Ballroom, City Plaza, ground floor
Predictive Control (Regular session)	
Chair: Gerbet, Daniel	TU Dresden
Co-Chair: Susca, Mircea	Technical University of Cluj-Napoca
10:30-10:45	FrM1.1
MPC for Pursuit Problem with Unknown Target Dynamics Partially-Identified by Ego-Centric Polar Measurements , pp. 557-564.	
Dogruer, Can Ulas	Hacettepe University
10:45-11:00	FrM1.2
LSTM-Based Model Predictive Control of a Wastewater Treatment Plant , pp. 565-570.	
Vasiliev, Iulian	Dunarea De Jos University of Galati
Ghinea, Liliana Maria	University Dunarea De Jos Galati
Barbu, Marian	Dunarea De Jos University of Galati
Caraman, Sergiu	Dunarea De Jos University of Galati
11:00-11:15	FrM1.3
SuperADMM: Solving Quadratic Programs Faster with Dynamic Weighting ADMM , pp. 571-577.	
Verheijen, Petrus Cornelis Nicolaas	Eindhoven University of Technology
Goswami, Dip	Eindhoven University of Technology
Lazar, Mircea	Eindhoven University of Technology
11:15-11:30	FrM1.4
Decentralized Model Predictive Control Algorithm for a Drinking Water Network System , pp. 578-583.	
Enea, Codruț-Alexandru	"Gheorghe Asachi" Technical University of Iasi
Maxim, Anca	"Gheorghe Asachi" Technical University of Iasi
Caruntu, Constantin-Florin	Gheorghe Asachi Technical University of Iasi
11:30-11:45	FrM1.5
Distributed Predictive Control of Vehicle Platoons under Reduced Visibility with Delay Compensation: A Fog-Specific Approach , pp. 584-589.	
Cocut, Gabriela Monica	"Gheorghe Asachi" Technical University of Iasi
Maxim, Anca	"Gheorghe Asachi" Technical University of Iasi
Caruntu, Constantin-Florin	Gheorghe Asachi Technical University of Iasi
11:45-12:00	FrM1.6
MPC-Based Anesthesiologists Imitating Control of Propofol and Remifentanil During Anesthesia Maintenance , pp. 590-596.	
Raymond, Maxim	CNRS, LAMIH
Moussa, Kaouther	INSA Hauts-De-France, LAMIH
Fiacchini, Mirko	GIPSA-Lab, CNRS
Lauber, Jimmy	University of Valenciennes

Day 2 – Before noon

FrM2	Beijing, City Plaza, 5 th floor
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Engineering Education & Embedded Systems (Regular session)

Co-Chair: Stan, Ovidiu

Technical University of Cluj Napoca, Faculty of Automation and
Computer Science, Department of Automation

10:30-10:45

FrM2.1

Educational Tool for Simplifying Block Diagrams in MATLAB Simulink, pp. 597-602.

Roman, Stefania

"Gheorghe Asachi" Technical University of Iasi

Kloetzer, Marius

Gheorghe Asachi Technical University of Iasi

10:45-11:00

FrM2.2

Design of a Dual-Issue Superscalar RISC-V Core with Dynamic Branch Prediction, pp. 603-608.

Gherghel, Stefan

Gheorghe Asachi Technical University of Iasi

Stan, Andrei

Gheorghe Asachi Technical University of Iasi

Dobos, Francisc

AMD

11:00-11:15

FrM2.3

An Embedded Facial Emotion Recognition Module for Monitoring Affective States in Multiple Sclerosis, pp. 609-614.

Ianculescu, Marilena

National Institute for Research and Development in Informatics,

Petean, Corina

National Institute for Research and Development in Informatics, I

Petrache, Cristian

National Institute for Research and Development in Informatics,

Bajenaru, Lidia

National Institute for Research and Development in Informatics

11:15-11:30

FrM2.4

Magnetic Levitation with Affordable Components: An Education-Oriented SISO System Case Study, pp. 615-621.

Bodrogi, Balazs

Technical University of Cluj-Napoca

Kirei, Botond Sandor

Technical University of Cluj-Napoca

Tamas, Levente

Technical University of Cluj

11:30-11:45

FrM2.5

A Linux/Unix-Based System for Managing Dynamic Laboratory Environments, pp. 622-627.

Archip, Alexandru

"Gheorghe Asachi" Technical University of Iasi

Serban, Elena

"Gheorghe Asachi" Technical University of Iasi

Amarandei, Cristian-Mihai

"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom

11:45-12:00

FrM2.6

Integrating ChatGPT in an Educational Platform to Provide Learning Support and Promote Critical Thinking, pp. 628-632.

Dobre, Stefania-Carmen

University of Craiova

Popescu, Maria-Alexandra

University of Craiova

Popescu, Elvira

University of Craiova

Day 2 – Before noon

FrM3

Venezia, City Plaza, 5th floor**Cybersecurity** (Regular session)

Co-Chair: Enyedi, Szilárd

Technical University of Cluj-Napoca

10:30-10:45

FrM3.1

Challenges to JavaScript Obfuscation in the Era of Large Language Models, pp. 633-638.

Ciochiu, Daniel

University of Craiova

Brezovan, Marius

University of Craiova

Enescu, Nicolae

University of Craiova

Traistaru, Claudiu

University of Craiova

Badoi, Mircea

University of Craiova

Barcan, Alexandra

Endava SRL

10:45-11:00

FrM3.2

Cybersecurity Challenges and Strategies in Critical Infrastructure Systems: A Comprehensive Survey, pp. 639-644.

Jibotean, Mihai-Alexandru

Technical University of Cluj-Napoca

Stan, Ovidiu Petru

Technical University of Cluj-Napoca

11:00-11:15

FrM3.3

Adapted Cover-Separable Fixed Neural Network Steganography with Multi-Receiver Support, pp. 645-650.

Agape, Ioan

Gheorghe Asachi Technical University of Iasi, Faculty of Automat

Apostol, Bianca-Cristina

Gheorghe Asachi Technical University of Iasi, Faculty of Automat

Zvorișteanu, Otilia

"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom

Achirei, Stefan Daniel	Gheorghe Asachi Technical University of Iasi
Maftai, Elena-Claudia	Gheorghe Asachi Technical University of Iasi, Faculty of Automat
11:15-11:30	FrM3.4
Design of a Hardware Hash Engine for Accelerating STARKs on Resource Constrained Devices, pp. 651-656.	
Ifrim, Tudor-Nicolae	Gheorghe Asachi Technical University of Iasi
Stan, Andrei	Gheorghe Asachi Technical University of Iasi
11:30-11:45	FrM3.5
SecureVault: Bridging the Security-Usability Gap through Gamified Password Management, pp. 657-662.	
Zareczky, Thomas-Andrei	Technical University of Cluj-Napoca
Dobre, Alexandra Elena	Technical University of Cluj Napoca, Faculty of Automation and C
Stan, Ovidiu	Technical University of Cluj Napoca, Faculty of Automation and C
Miclea, Liviu	Technical University of Cluj-Napoca
11:45-12:00	FrM3.6
Assessment of Deauthentication Threats in IoT: An Empirical Analysis of ESP8266 Deauther and Flipper Zero, pp. 663-668.	
Ionica, Darius	Technical University of Cluj-Napoca
Drăghici, Bogdan Gabriel	Technical University of Cluj Napoca, Faculty of Automation and C
Dobre, Alexandra Elena	Technical University of Cluj Napoca, Faculty of Automation and C
Jibotean, Mihai-Alexandru	Technical University of Cluj-Napoca
Stan, Ovidiu	Technical University of Cluj Napoca, Faculty of Automation and C
Miclea, Liviu	Technical University of Cluj-Napoca

Day 2 – Before noon

FrM4	Ken Sai, City Plaza, 6 th floor
IS: Control, Estimation, and Navigation in Aerospace Engineering (Invited session)	
Chair: Lungu, Mihai-Aureliu	University of Craiova
Organizer: Lungu, Mihai-Aureliu	University of Craiova
Organizer: Teodor Lucian, Grigorie	Universitatea POLITEHNICA Din Bucuresti
Organizer: Chen, Mou	NUAA
Organizer: Larco, Ciprian-Marius	Military Technical Academy
10:30-10:45	FrM4.1
Experimental Evaluation of an Overactuated Quadrotor TiltRotor Using a Didactic Gyroscopic Testbench, pp. 669-674.	
de Carvalho Junior, Antonio Jorge	Centro Federal De Educação Tecnológica De Minas Gerais
Ferreira dos Santos, Murillo	CEFET-MG
Mystkowski, Arkadiusz	Bialystok University of Technology
Mercorelli, Paolo	Leuphana University of Lueneburg
Honorio, Leonardo	UFJF
Petry, Marcelo Roberto	INESC TEC
10:45-11:00	FrM4.2
High-Gain Disturbance Observer-Based Control of Double Gimbal Control Moment Gyro Systems with Fast Finite-Time Backstepping Sliding Mode Control (I), pp. 675-680.	
Efrim, Claudia	University of Craiova
Lungu, Mihai-Aureliu	University of Craiova
Chen, Mou	NUAA
Ebrahimpour, MohammadReza	Tarbiat Modares University
11:00-11:15	FrM4.3
High-Order Disturbance Observer-Based Backstepping Sliding Mode Control of the Under-Actuated Uncertain Quadrotor Unmanned Aerial Vehicles (I), pp. 681-686.	
Golea, Maria-Denisa	University of Craiova
Lungu, Mihai-Aureliu	University of Craiova
Wang, Rui	Northwestern Polytechnical University
Voinea, Daniel-Gabriel	University of Craiova
11:15-11:30	FrM4.4
Study of a Low Bypass Mixed Flow Turbofan for Aircraft Use As Controlled Object (I), pp. 687-692.	
Tudosie, Alexandru	University of Craiova
Dragomir, Elena - Elisa	Doctoral School of Aerospace Engineering, National University Of
11:30-11:45	FrM4.5

Dynamic Path Planning for Drone Operations in Partially Known Environments, pp. 693-698.

Contac, Alexandru
Burlacu, Adrian

Gheorghe Asachi Technical University
Gheorghe Asachi Technical University of Iasi

11:45-12:00

FrM4.6

Software Sensors in Advanced Technological Processes: A Synthesis of Data Acquisition, Integration and Intelligent Processing Technologies, pp. 699-705.

Chirita, Georgel
Barbu, Marian

Dunarea De Jos University
Dunarea De Jos University of Galati

Day 2 – Before noon

FrM5

Aula Domsa, TUCN, 15 Daicoviciu Street, first floor

IS: Advances in Real Time Process Control and Applications (Invited session)

Chair: Popescu, Dumitru
Co-Chair: Lupu, Ciprian
Organizer: Popescu, Dumitru
Organizer: Lupu, Ciprian
Organizer: Fagarasan, Ioana

Politehnica University of Bucharest
Politehnica University of Bucharest
Politehnica University of Bucharest
Politehnica University of Bucharest
University of Science and Technology POLITEHNICA of Bucharest

10:30-10:45

FrM5.1

Model Predictive Control for a Three Phase PMSM Machine, pp. 706-711.

Tudor-Stefan, Plugaru
Nascu, Ioan
Nascu, Ioana

Technical University of Cluj Napoca Cluj-Napoca
Technical University of Cluj-Napoca
Technical University of Cluj Napoca

10:45-11:00

FrM5.2

Real Time Implementation of Anti-Windup System for Complex Control Algorithms (I), pp. 712-715.

Lupu, Ciprian
Banica, Marian-Daniel
Luu, Duc Lich
Zamfir, Bogdan-Mihai
Papuc, Elena Camelia
Petrescu, Catalin

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11:00-11:15

FrM5.3

A Method for Tuning the Parameters of a PI Controller from an Area Generation Control System (I), pp. 716-720.

Zamfir, Bogdan-Mihai
Petre-Cristian, RĂzuși
Olteanu, Severus Constantin
Lupu, Ciprian

University POLITEHNICA of Bucharest
S.S.T.T.I.R.E.T. Teletrans S.A
University POLITEHNICA of Bucharest
Politehnica University of Bucharest

11:15-11:30

FrM5.4

Voltage-Mode Control of Boost Converter with Zero Steady-State Error: A Predictive Solution (I), pp. 721-726.

Munteanu, Iulian
Fagarasan, Ioana
Arghira, Nicoleta

University of Science and Technology POLITEHNICA of Bucharest
University of Science and Technology POLITEHNICA of Bucharest
University of Science and Technology POLITEHNICA Bucharest

11:30-11:45

FrM5.5

Design of Computed Torque Control with Regional Pole Placement for Two Link Robotic Manipulator, pp. 727-732.

Banerjee, Soham
Nath, Anirudh
Nag, Anirban
Dey, Rajeeb
Balas, Valentina Emilia
Muresan, Vlad

IIST Shibpur
Indian Institute of Engineering Science and Technology Shibpur
Indian Institute of Technology Madras
National Institute of Technology Silchar
Aurel Vlaicu University of Arad
Technical University of Cluj-Napoca

11:45-12:00

FrM5.6

Monitoring Electrical Consumption of Equipment in a University Laboratory, pp. 733-738.

Fudulu, Cosmin-Florin
Fagarasan, Ioana
Sandu, Ana-Maria-Cristiana
Boicu, Mihaela-Gabriela
Vasluianu, Mihaela

National University of Science and Technology Politehnica of Buc
University POLITEHNICA of Bucharest
National University of Science and Technology Politehnica of Buc
National University of Science and Technology Politehnica of Buc
Technical University of Civil Engineering of Bucharest

12:00-13:30

Lunch,

City Plaza, Marco Polo Restaurant, first floor (or mezzanine)

14:00 - 20:00

Social event,

Salina Salt Mine & Dinner

at "Sarea'n bucate" Restaurant, Turda, 2 Dealul Viilor Street

Salt Mine Turda



*They do not oversalt their dishes.
Bring warm clothes, the temperature in mine is 12°
Celsius!
Transportation to and from the social event site and
restaurant, in Turda, will be provided.*

Technical Program for Day 3, Saturday October 11, 2025

Day 3 – Before noon

SaP110	Ballroom, City Plaza, ground floor
LMI-Based Control of Dynamical Systems with Isolated Nonlinearities (Plenary talk)	
Chair: Valcher, Maria Elena	Universita' Di Padova
09:00-10:00	SaP110.1
LMI-Based Control of Dynamical Systems with Isolated Nonlinearities*.	
Tarbouriech, Sophie	LAAS-CNRS

10:00-10:30

Coffee break,

City Plaza, the hall in front of the Ballroom, ground floor

Day 3 – Before noon

SaM1	Ballroom, City Plaza, ground floor
Computer Vision (Regular session)	
Co-Chair: Ferariu, Lavinia	Gheorghe Asachi Technical University of Iasi
10:30-10:45	SaM1.1
Beyond Metrics: A Coherence-Based Evaluation of Attention-Enhanced U-Net Models for Lung Segmentation, pp. 739-745.	
Dediu, Viorel	National University of Science and Technology Polytechnic of Buc
Udrea, Andreea	Politehnica University of Bucharest
10:45-11:00	SaM1.2
A Framework for Large-Scale Data Collection from Virtual Environments for Autonomous Driving, pp. 746-751.	
Teslaru, Victor	Gheorghe Asachi Technical University of Iasi, Faculty of Automat
Zvoristeanu, Otilia	"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom
11:00-11:15	SaM1.3
A Comprehensive Approach to Accurate Anthropometric Data Acquisition, pp. 752-757.	
Apostol, Vlad-Ionut	Gheorghe Asachi Technical University of Iasi
Lupu, Daniel-Eduard	Gheorghe Asachi Technical University of Iasi
Achirei, Stefan Daniel	Gheorghe Asachi Technical University of Iasi
Zvoristeanu, Otilia	"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom
11:15-11:30	SaM1.4
Real-Time Fatigue and Attention Assessment Via Eye Tracking, pp. 758-763.	
Roman, Emilia-Cristina	Technical University Gheorghe Asachi Iasi
Colibaba, Rareş Andrei	Gheorghe Asachi Technical University of Iasi
Maftai, Elena-Claudia	Gheorghe Asachi Technical University of Iasi, Faculty of Automat
Achirei, Stefan Daniel	Gheorghe Asachi Technical University of Iasi
Zvoristeanu, Otilia	"Gheorghe Asachi" Technical University of Iasi, Faculty of Autom
11:30-11:45	SaM1.5
Multidisciplinary Bear Deterrent System, pp. 764-771.	
Cîndea, Dumitru Ioan	Technical University of Cluj-Napoca
Săsăran, Andrei Mihnea	Technical University of Cluj-Napoca
Stefan, Iulia	Technical University of Cluj-Napoca
11:45-12:00	SaM1.6
Improved Exploration of Volume Data Using Transition Transfer Functions, pp. 772-777.	
Gavrilescu, Marius	Gheorghe Asachi Technical University of Iasi

Day 3 – Before noon

SaM2	Beijing, City Plaza, 5 th floor
Internet of Things (Regular session)	
Chair: Ianculescu, Marilena	National Institute for Research and Development in Informatics, ICI

Co-Chair: Stan, Andrei		Bucharest
Gheorghe Asachi Technical University of Iasi		
10:30-10:45		SaM2.1
From Data to Insights: Surveillance of AI in Low-Power IoT Networks, pp. 778-783.		
Pitu, Floarea		Stefan Cel Mare University of Suceava
Gaitan, Vasile Gheorghita		Stefan Cel Mare University of Suceava
Gaitan, Nicoleta-Cristina		Stefan Cel Mare University
10:45-11:00		SaM2.2
IoT-Enabled Waste Collection: Route Optimization and Environmental Impact Reduction Using Smart Technologies, pp. 784-790.		
Banciu, Claudia		Lucian Blaga University of Sibiu
Florea, Adrian		Lucian Blaga University of Sibiu
Popa, Marian		ULB Sibiu
11:00-11:15		SaM2.3
Harvesting Solar Energy and Storage for Low-Energy Data Transmission, pp. 791-795.		
Iancu, Ionuț		Universitatea Tehnica Din Cluj-Napoca
Mois, George Dan		Technical University of Cluj-Napoca
Sanislav, Teodora		Technical University of Cluj-Napoca
Folea, Silviu		Technical University of Cluj-Napoca
11:15-11:30		SaM2.4
Heart Rate Monitoring on Fog Nodes Using Agentic Workflows and Machine Learning Classification for Automated Decision-Making, pp. 796-799.		
Cola, Cristian		Technical University of Cluj Napoca
Valean, Honoriu		Technical University of Cluj-Napoca
11:30-11:45		SaM2.5
Improving Citizens' Wellbeing Using Digital Technologies for Cardiovascular Monitoring, pp. 800-805.		
Crisan-Vida, Mihaela		University Politehnica Timisoara, Romania
Bogdan, Razvan		University Politehnica Timisoara, Romania
Barmayoun, Darius		University Politehnica Timisoara
Ivănescu, Roxana		University Politehnica Timisoara
Corbu, Maria		University Politehnica Timisoara
Stoicu-Tivadar, Lacramioara		University Politehnica Timisoara
Marcu, Marius		Politehnica University of Timisoara
Lițoiu, Marc-Adrian		University Politehnica Timisoara
11:45-12:00		SaM2.6
MoldSafe: An IoT Solution for Detecting Mold Growth, pp. 806-813.		
Avramov, Amalia-Gordana		Politehnica University of Timisoara
Blajovan, Bianca-Lucia		Politehnica University of Timisoara
Stanescu, Daniela Natalia		Politehnica University of Timisoara
Marcu, Marius		Politehnica University of Timisoara
Ghergulescu, Ioana		Adaptemy

Day 3 – Before noon

SaM3		Venezia, City Plaza, 5 th floor
IS: Intelligent Systems - Current Trends and Challenges for Sustainable Healthcare and Industry (Invited session)		
Chair: Rusu-Both, Roxana		Technical University of Cluj-Napoca
Co-Chair: Stanica, Iulia-Cristina		National University of Science and Technology POLITEHNICA Bucharest
Organizer: Rusu-Both, Roxana		Technical University of Cluj-Napoca
Organizer: Stanica, Iulia-Cristina		National University of Science and Technology POLITEHNICA Bucharest
10:30-10:45		SaM3.1
Neural Networks Based Real-Time Indoor Air Quality Monitoring and Prediction IoT System (I), pp. 814-819.		
Kovacs, Balazs		Technical University of Cluj-Napoca
Rusu-Both, Roxana		Technical University of Cluj-Napoca
10:45-11:00		SaM3.2
Gamified AR System for Treating Pediatric Dentophobia (I), pp. 820-825.		
Toma, Dana-Georgiana		National University of Science and Technology POLITEHNICA Buchar

Stanica, Iulia-Cristina	National University of Science and Technology POLITEHNICA Buchar
11:00-11:15	SaM3.3
Vital AidVenture: Learning First Aid Methods Using Emerging Technologies (I), pp. 826-831.	
Stanica, Iulia-Cristina	National University of Science and Technology POLITEHNICA Buchar
Costan, Adriana-Stefania	National University of Science and Technology POLITEHNICA
11:15-11:30	SaM3.4
Ethical Challenges of Digital Twins in Medicine - Normative Guideline for Glaucoma Management (I), pp. 832-837.	
Iliuta, Miruna-Elena	Politehnica University of Bucharest - ACS
Trentesaux, Damien	Université Polytechnique Hauts-De-France
Moiescu, Mihnea Alexandru	University Politehnica of Bucharest
Mitulescu, Traian-Costin	Carol Davila University of Medicine and Pharmacy
11:30-11:45	SaM3.5
Ball-Plate Control System Design and Implementation for Educational Purposes (I), pp. 838-843.	
Botezat, Razvan Ioan	Technical University of Cluj-Napoca
Rusu-Both, Roxana	Technical University of Cluj-Napoca
11:45-12:00	SaM3.6
Machine Learning EEG Signal Processing for Driver Fatigue Detection in Brain-Computer Interface Applications (I), pp. 844-847.	
Rusu-Both, Roxana	Technical University of Cluj-Napoca
Lung, David	Technical University of Cluj-Napoca

Day 3 – Before noon

SaM4	Ken Sai, City Plaza, 6 th floor
Biological and Biomedical Systems (Regular session)	
Co-Chair: Valcher, Maria Elena	Universita' Di Padova
10:30-10:45	SaM4.1
3D-CNNs Using Magnetoencephalography Spectral Data for Diagnosis of Parkinson's Disease, pp. 848-853.	
Bejan, Robert-Cristian	Gheorghe Asachi Technical University of Iasi
Ferariu, Lavinia	Gheorghe Asachi Technical University of Iasi
10:45-11:00	SaM4.2
AI-Based Surrogate Modeling for Closed-Loop Control of Effluent Ammonium Concentration in Wastewater Treatment, pp. 854-859.	
Voipan, Daniel	Dunărea De Jos University of Galați
Voipan, Andreea Elena	Dunărea De Jos University of Galați
Solea, Razvan	Dunarea De Jos University of Galati
Barbu, Marian	Dunarea De Jos University of Galati
11:00-11:15	SaM4.3
Soft Sensing of Dissolved Oxygen in WWTPs: A Practical Comparative Study of Data Preprocessing Techniques for GRU Networks, pp. 860-865.	
Voipan, Andreea Elena	Dunărea De Jos University of Galați
Voipan, Daniel	Dunărea De Jos University of Galați
Barbu, Marian	Dunarea De Jos University of Galati
11:15-11:30	SaM4.4
A Deep Learning Framework for Non-Invasive Detection of Parkinson's Disease from Hand-Drawn Spiral and Wave Patterns, pp. 866-871.	
Petean, Corina	National Institute for Reseach and Development in Informatics, I
11:30-11:45	SaM4.5
Semi-Supervised Learning Using Self-Labeling and Consistency Regularisation for ECG Classification, pp. 872-877.	
Aron, Mihai	Gheorghe Asachi Technical University of Iași, Department Of
Ferariu, Lavinia	Gheorghe Asachi Technical University of Iasi
11:45-12:00	SaM4.6
Feedback Control and Setpoint Optimization for Microalgal Biomass under Solar Irradiance – a Simulation Study, pp. 878-882.	
Sebile-Meilleroux, Joris	University of Nantes
Titica, Mariana	Université De Nantes

Day 3 – Before noon

SaM5	Aula Domsa, TUCN, 15 Daicoviciu Street, first floor
Control Applications 3 (Regular session)	
10:30-10:45	SaM5.1
Xe-135 Induced Reactor Instability, pp. 883-888.	
Filip, Imre	Technical University of Cluj Napoca
Abrudean, Mihail	Technical University of Cluj-Napoca
Muresan, Vlad	Technical University of Cluj-Napoca
Dulgheriu, Vasile Alexandru	Technical University of Cluj-Napoca
10:45-11:00	SaM5.2
Modeling and Simulation of a 155mm Spinning Glide-Guided Projectile from Experimental Data Using Multivariate Orthogonal Functions, pp. 889-894.	
Toulliou, Killian	CentraleSupélec
Arefin, Samsul	KNDS France
Sandou, Guillaume	CentraleSupélec
Font, Stéphane	CentraleSupélec
11:00-11:15	SaM5.3
Fractional-Order Modeling and Adaptive Control of a Turbine-Synchronous Generator System, Using AI, pp. 895-902.	
Motorga, Roxana-Maria	Universitatea Tehnica Din Cluj-Napoca
Muresan, Vlad	Technical University of Cluj-Napoca
Abrudean, Mihail	Technical University of Cluj-Napoca
Valean, Honoriu	Technical University of Cluj-Napoca
Stefan, Iulia	Technical University of Cluj-Napoca
Unguresan, Mihaela-Ligia	Technical University of Cluj-Napoca
11:15-11:30	SaM5.4
Reinforcement Learning Control for a Two Rotor Aerodynamic System, pp. 903-908.	
Popescu, Dragos Constantin	Faculty of Automatic Control and Computers, National University
Mateescu, Andrei	Faculty of Automatic Control and Computers, National University
Ilinca, Andrei-Alexandru	Faculty of Automatic Control and Computers, University Politehni
11:30-11:45	SaM5.5
Double-Integral Synergetic Control with Integral Backstepping for Robust PMSM Performance, pp. 909-914.	
Alyoussef, Fadi	King Fahd University of Petroleum and Mineral
Alam, Mohammad Irfan	1-Department of Aerospace Engineering, 2-Interdisciplinary Resea

Ballroom, City Plaza, ground floor

12:00-12:30

Closing ceremony

12:30-14:00

Lunch,

City Plaza, Marco Polo Restaurant, first floor (or mezzanine)

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