

CINTI 2025 Preliminary Program

Venue: Óbuda University
Address: Bécsi út 96/b, H-1034 Budapest, Hungary



November 18, Tuesday

9:00 – 9:20 **Opening Ceremony** Room F09

9:20 – 10:00 **Plenary Talk I** Room F09
Session chair: **Levente Kovács**

23	Shuai Li	Haircutting Robots: from Idea to Practice
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10:00 – 10:40 **Plenary Talk II** Room F09
Session chair: **Dániel András Drexler**

153	Tamás Ferenci	From Basic Science to Information Technology Tools and Applications
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10:40 – 11:00 Coffee break

11:00 – 11:40 **Plenary Talk III** Room F09
Session chair: **György Eigner**

154	Gábor Kertész	From Metric Learning to Future Representation Learning: Challenges, Advances, and Opportunities
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11:40 – 12:40 **Celebrating the 80th Birthday of Prof. Dr. László Horváth** Room F09
Session chair: **József K. Tar**

László Horváth: A Life dedicated to Computer-based Engineering
by Imre J. Rudas

Title
by László Horváth

12:40 – 13:40 Lunch

13:40 – 15:40 Parallel sessions

13:40 – 15:40 **[T1a] Session on Applications I**
Session chair: **Sándor Szénási**

Room F09

21	Simona Chovancová and František Babič	Generation of Data-Oriented Models for Survival Analysis
36	Mark Szigeti , Sándor Szénási, Levente Kovács and György Eigner	AI inference speed: the race between CPU, MPS and CUDA backends
58	Manabu Shimakawa , Shu Horita, Chiharu Okuma and Kimiyasu Kiyota	Smartphone App for Visually Impaired People to Determine Spatial Orientation using Vanishing Point
65	Mantana Chudtong, Ilona Nagy and Andrea De Gaetano	Modeling the impact of exercise on glycemia
27	Gergo Igneczki , Ernő Horváth and Krisztian Nyilas	Model Predictive Planning and Control for Naturalistic Automated Driving
69	Elena Lo Presti, Marcello Pompa, Angelica Alcuri, Simona Panunzi and Andrea De Gaetano	A mathematical model for smoker profile simulation

13:40 – 15:40 **[T1b] Session on Applications II**
Session chair: **Ádám Béla Horváth**

Room F08

75	Chiharu Okuma , Kanta Kobayashi, Manabu Shimakawa and Takaaki Ishibashi	Impulsive Noise Reduction using Microphone Systems with Directional Patterns and Real-Space Sound Source Estimation by Separation and Localization
73	Gergely Gazdag and Tamás Jónás	Calibrating a Consensus Measure for Group Decision-making in Strategic Management
90	Abdallatif Abu-Issa , Razan Abdalrahman, Maisam Alaa and Malak Alaraj	Developing a Mobile Application for Context-Aware Recommender System for Restaurants
89	Yue Wu , Attila Nagy, Beatrix Fregan and Rajnai Zoltan	Quantum Computing for Sustainable Agriculture: A Review and Conceptual Framework
100	Raul Simonca and Eva-Henrietta Dulf	Field-Oriented Speed Control of a Brushless DC Motor Using Simulink-Based Implementation
150	László Horváth	Integrated Model Controlled Research in Wide Context

13:40 – 15:40

[T1c] Special Session on Digitalisation, Generation Research, Consumer Trends I

Room F07

Session organizers and chairs: **Mónika Garai-Fodor, Ágnes Csiszárík-Kocsir and János Varga**

87	Viktória Buday , Magnus Klofsten and György Eigner	When Science Park becomes a brand – the private case study connected to the experience economy.
88	Csilla Hegyi and István Szabó	Factors influencing subsidiary role development
101	Francesco Sansone, Chiara Sanmartin, Isabella Taglieri, Alessandro Tonacci and Francesca Venturi	Consumer Wearables in the Digital Health Ecosystem: Reliability and Bias in Biometric Measurements During Sensory Analysis
82	Richárd Veres , János Varga and György Györök	Do the ideas of secondary school students about startups match reality?
91	Bálint Nagy , Anna Mária Takács, Márta Cserné Pekkel and Mariann Váraljai	Introducing AI into Mathematics Education: A Course-Based Perspective
109	Chenhe Ge	Digital Currencies and the Metaverse: An Emerging Ecosystem for Commerce and Finance

13:40 – 14:00

[T1p] e-poster session

Aula

Session chairs: **Miklós Mezei and Tamás Nógrádi**

2	Nikola Geciová and Lukáš Tomaščík	Visualizing Molecular Geometry with MATLAB: An Educational Tool Based on Infinitesimal Calculus
19	Yusuf Akkus , Yassin Amara and Björn Annighöfer	Dependent failure analysis for Automotive fail-operational mechatronic systems with Aviation best-practices
38	János Katona	Issues for increasing the geometric accuracy of the land registry base map database
60	Eva Kupcová , Matúš Pleva, Zuzana Sokolová and Matej Novotný	Real-Time Detection of Morphed Voices in Biometric Speaker Verification Systems
127	Michal Staňo , Ladislav Hluchý, Lenka Skovajsová, Michal Hucko and Jean Rosemond Dora	Integration of Hyperspectral Data Segmentation Methods with QGIS and PDAL: Practical Experiences and Technical Insights
43	Anna Biceková, Martin Sarnovský , František Babič, Pavol Petrovič, Roman Rigó and Patrik Břečka	Optimization of Waste Collection Points in Collective Housing Areas
46	Gergely Einger, János Katona, Balázs Böröcz and Andrea Pődör	Testing the Detection of Road Surface Defects Using Machine Learning Methods
67	Jean Rosemond Dora , Ladislav Hluchý and Michal Staňo	Core Attack Mechanisms of Shellcode in Word Memory

84	Branislav Sobota, Timotej Sobota, Štefan Korečko and Igor Farkaš	On Architecture and Metaverse Platform Integration of Humanoid Robot Digital Twin System
3	Akshaya Krishna M , Dr Swetha P and Prasad B Honnavalli	Advanced Credential-Stealing Malware Detection: Static and Dynamic Analysis of Snake Keylogger
45	Dániel Lipták, Imre Felde and Sándor Szénási	Log Categorization Strategies for Scarce Data Scenarios
61	Zuzana Liščinská , Ľuboš Ovseník and Jakub Oravec	Evaluation of machine learning regression techniques for RSSI prediction in FSO systems
62	Matúš Janok , Radoslav Forgáč and Ľubomír Dederá	Image Steganography Potential of Invertible Neural Networks
64	Bianca Badidová, Radoslav Forgáč, Miloš Očkay, Martin Javurek and Matúš Janok	Exploring the Effects Hyperspectral Feature Extraction Using 1D-Convolutional Recurrent Autoencoder

13:40 – 15:40

[T1d] Session on Neural Networks

Session chair: **György Molnár**

Room F02

28	Haşmet Çağrı Sezgen, Erdi Gülbahçe and Abdullah Çakan	Prediction of Brake Disc Mechanical Behavior Using Artificial Neural Networks
4	Peter Abban and Mehdi Taassori	Optimizing CNNs for Medical Image Classification: A Comparative Study of Bayesian and TPE Hyperparameter Tuning.
30	Mateusz Kucharski	A Survey on Quantum Machine Learning in Speech Acoustics
132	Mátyás Nagy , Attila Farkas and Gábor Kertész	Distributed Deep Graph Learning with DistDGL: A Case Study in a Cloud Environment
74	Erdal Alimovski, Asiye Demirtaş and Yağmur Uşak	A Feature-Level Approach for Outdoor Surface Classification
35	Emese Sziklay and Tamás Jursonovics	An Effective Algorithm to Cache Live TV Fragments

15:40 – 16:00

Coffee break

16:00 – 18:00 Parallel sessions

16:00 – 17:40 **[T2a] Session on Informatics I**
Session chair: **Bálint Nagy**

Room F09

83	Andrea Pődör , Ourania Kounadi, Mariana Vallejo Velázquez, Balázs Böröcz and Gábor Molnár	Integrating Human Perception and AI: A Random Forest Approach to Urban Safety
111	Veronika Gabaľová and József Udvaros	Project-Based Robotics 4.0 Education Using Microcontrollers to Enhance Technical and Programming Competencies
123	Szilárd Galuska , Melánia Puskás, Levente Kovacs and Dániel András Drexler	Deterministic, Stochastic, and Hybrid Approaches in Tumor Growth Modeling
112	Veronika Gabaľová , Hana Ingrid Vrtoch Oppenberger and Veronika Stoffova	Educational Applications of AI: Supporting Problem-Solving in Informatics
128	Sergey Lyshevski	Information Measures in Machine Learning and Processing: Cyber-Physical System-of-Systems

16:00 – 17:40 **[T2b] Session on Intelligent Techniques**
Session chair: **Andrea Tick**

Room F08

105	Yue Wu , Attila Nagy, Beatrix Fregan and Rajnai Zoltan	Impact of Digital Education across Different Industries and Sectors
13	Vivekanand V and Deepak Mishra	Estimation of Missing Data in Multi-Channel Data Acquisition System using Polynomial Regression and Expectation-Maximization
140	Tuğba Fıçıcı, Erdal Alimovski and Gökhan Erdemir	A Performance Evaluation of A* and Dijkstra Algorithms with Visual-Based Goal Selection
107	Yiran Li and Yue Wu	The Impact of AI-Enabled Demand Forecasting Technologies on Enterprises
110	József Udvaros and Norbert Forman	Application of Drones for Crack Inspection of Glass Cladding of Skyscrapers: An Artificial Intelligence-Based Data Processing and Analysis System

16:00 – 18:00

[T2c] Special Session on Digitalisation, Generation Research, Consumer Trends II
Session organizers and chairs: **Mónika Garai-Fodor, Ágnes Csiszárík-Kocsir and János Varga**

Room F02

108	László Kadocsa, Levente Juhász, Gyula Gubán and György Molnár	Artificial Intelligence in the Learning Process of the Subject "Didactics" with Special Regard to Preparation for Oral Examinations
22	Noemi Piricz	Can consumers serve as the vital missing link in the “human smart grid”? – Experts’ opinion about smart grid actors
54	Krisztián Bálint and Pál Fehér-Polgár	The Possibility of Using Consumer Blockchain-Based Tokens to Collect Loyalty Points by Airdrops
141	Adam Bela Horvath	Bridging Data Types and Statistical Methods: An R-Based Algorithm for EDA
25	Noemi Piricz, Manonin Mayxay and Faharano Loïc Johnson	Benefits and Challenges of Push and Pull Strategies
143	Adam Bela Horvath	Filtering and Batch Processing of Correlations in R: A Prototype Framework

16:00 – 16:40

[T2d] Special Session on Soft Computing-aided Information Systems
Session organizers and chairs: **Edit Laufer and Ákos Odry**

Room F07

18	Pintér Péter, Neisz Tamás and Laufer Edit	Fuzzy-based optimization in pneumatic actuated drivetrains
66	Massimo Stefanoni , Peter Sarcevic and Ákos Odry	Evaluation of EKF-Based Sensor Fusion Approaches for 2D Magnetic-Aided Localization

17:00

MFT közgyűlés

Room F07

18:00

Welcome Reception

Aula

November 19, Wednesday

9:00 – 10:40 Parallel sessions

9:00 – 10:40 **[W1a] Session on Informatics II** Room F09
Session chair: **Yue Wu**

11	Péter Marjai and Attila Kiss	A heuristic approach to use centrality measures to identify critical software components
72	Piotr Nowak	A Survey on Supply Chain optimization
94	Peter Jankovič and Andrea Galadíková	Modeling passenger boarding in a microscopic simulation model of public transport
152	Gaye Ediboglu Bartos , Sibel Ünalı, Nesibe Yalçın	Explaining Deep Learning Decisions for Granite Tile Classification Using Feature Visualization
156	Wojciech Bożejko, Sergii Trotskyi	Exploring Quantum and Classical Solvers for the Knapsack Problem

9:00 – 10:40 **[W1b] Session on Applications III** Room F08
Session chair: **Alen Hatibovic**

37	Richárd Pap, Benedek Adolf Papp, Dávid Ottó Vántus, Albert Nagy and Andrea Tick	Smart Maintenance for CAF Trams: An Automated Approach
56	Francesco Sansone , Chiara Sanmartin, Francesca Venturi and Alessandro Tonacci	An Internet-of-Things platform for environmental monitoring of the workplace in winemaking industry: proof-of-concept for the Industry 5.0 framework
113	Hassan Hotait and Alexandru Forrai	An overview of monocular depth estimation with applicability in intelligent transportation
135	Anna Gavrilova and Kornélia Sára Szatmáry	Advanced Feature Engineering and Pattern Analysis for Real-time E-commerce Purchase Intent Prediction
53	Sergey Lyshevski , Serhii Kovbasa and Anton Kholosha	Real-Time Machine Vision Intelligence: Object Recognition and Dynamic Tracking

9:00 – 10:40

[W1c] Special Session on Space Research

Room F07

Session organizers and chairs: **Miklós Kozlovsky, János Lichtenberger and Péter Kristóf**

104	Janos Nagy , Laszlo Hevesi, Lajos Szalai, Gabor Troznai, Sandor Szalai and Andrea Opitz	DCC and EGSE development for JUICE, Participation in Planetary Exploration of ESA
145	Tamás Bozóki and Balázs Heilig	Further Evidence for the Organizing Role of the Plasmopause in the Nightside Distribution of Pc1/EMIC Waves
146	Kolos Németh and Tamás Bozóki	Determining the Source Location of ELF-Transients Generated by Lightning During the Hunga Tonga–Hunga Ha’apai Volcanic Eruption
147	Máté Tomasik and Péter Kovács	Measuring the Ring Current with Cluster: Reliability of the Curlometer Method
148	Abdallah Benhamida , Sandor Burian, Roland Dóczy, Dominik Virág, Tivadar Garamvölgyi, Mark Wendler, Nadjetta Benhamida, Karima Benhamza and Miklos Kozlovsky	Comparison of Open Mission Control platforms for live space data visualization

9:40 – 10:40

[W1d] Session on Applications IV

Room F02

Session chair: **Attila Biró**

33	Jakub Oravec , Ľuboš Ovseník and Zuzana Liščinská	A Cross-platform Approach for Secret Message Extraction in Network Steganography
71	Dávid Józsa , Gergő Ignéczi, Mátyás Mesics and Ernő Horváth	Cooperative Research Platform – Modular Automated Driving System for Prototypical Research Activities
99	Akos Leiter , Dome Matusovits and Laszlo Bokor	A testbed design to evaluate Fuzzy-based inter-slice handover solutions for 5G and beyond

10:15 – 10:40

[W1p] e-poster Special Session on Digitalisation, Generation Research, Consumer Trends III

Aula

Session organizers and chairs: **Mónika Garai-Fodor, Ágnes Csiszárik-Kocsir and János Varga**

49	Attila Balogh	Gen Z and AI-Driven Workplace Innovation: a SEM-PLS Study among University Students
52	Áron Hölgyesi , Andrea Luczay, Péter Tóth-Heyn, Eszter Muzslay, Eszter Világos, Attila J. Szabó, Petra Baji, Levente Kovács, László Gulácsi, Zsombor Zrubka and Márta Péntek	Exploring Factors Affecting Parental Self-Efficacy in Pediatric Type 1 Diabetes
68	Bernát Süli, Bertalan Beszédes and László Sajó-Bohus	Development of an Embedded Device for Alpha Radiation Measurement

77	János Kosztolányi and Zsolt Téglá	Expert Perspectives on Lean Management Practices: Insights From Multi-Industry Interviews
122	Szilárd Berke	AI in the workplace from the perspective of Generations X, Y, and Z - a literature review
144	Ágnes Csiszárik-Kocsir and János Varga	Transformation of payment forms in the physical space - directions and trends in a generational perspective

10:40 – 11:00 Coffee break

11:00 -12:20 Parallel sessions

11:00 – 12:20 **[W2a] Session on Informatics III**
Session chair: **Tamás Bozóki**

Room F09

10	Peter Farkas and Martin Bobak	Modular Communication Service Managed by Microservices
116	Miklós Sipos and Sándor Szénási	Optimal Gas Consumption in Ethereum Smart Contracts: A Targeted Review of Empirical Results, Design Patterns, and Formal Methods
78	Michał Jaroszczuk	An introduction to quantum annealing and review of QUBO models for Vehicle Routing Problem
117	Miklós Sipos and Sándor Szénási	Blockchain Transaction Graph Analysis Using Image Processing Techniques

11:00 – 12:20 **[W2b] Session on Computational Intelligence I**
Session chair: **Tamás Haidegger**

Room F08

130	Alen Hatibovic	Derivation of the Catenary Equation for a Conductor in an Inclined Span Based on the Parabolic Approximation
20	Behnaz Motamedi and Balázs Villányi	Comparative analysis of ensemble and multilayer perceptron models for heart disease prediction
96	Ali Jawad Ibada , Boldizsár Tüü-Szabó and Laszlo T. Koczy	Metaheuristics in Hierarchical Nested Structure
17	Nevena Rankovic, Dragica Rankovic and Mirjana Ivanovic	Exogenous Time-Series Modeling with Structural Graph Learning for Agile Project Development

11:00 – 12:20 **[W2c] Session on Soft Computing, Fuzzy Technology and Genetic Algorithms**
Session chair: **Áron Hölgyesi**

Room F07

24	Jenő Fáró and Tamás Jónás	Measuring the Inequality of Incomes Using Continuous-valued Logic
26	Marcell Fetter and Tamás Jónás	Fuzzy Numbers based on a Class of Fuzzy Modifier Operators
85	József Hegedüs , Adam Schiffer, F. Miklós Hatwagner and T. László Kóczy	Impact of Fuzzy Number Shapes and Aggregation Techniques on Evaluation Results via Fuzzy Signatures in Higher Education Accreditation
134	Abbas Alharan and István Vassányi	Automated meal planning using ontologies and rules in evolutionary search

11:00 – 12:15

[W2d] Special Session on PhD Student Workshop on Applied Informatics in Computational Intelligence I

Room F02

Session organizer and chair: László Horváth

5	Ágnes Gerse , Adrienn Dineva and Rita Fleiner	Operating and Cycling Characteristics of European Thermal Power Plants: Insights from Time-series Data Analytics
14	Tamás Piricz and Péter Galambos	A Review on the Reinforcement Learning-based Inverted Pendulum Balancing: What Enables Real-World Success?
16	Kaziwa Saleh , Zhyar Kwekha Rostam, Sandor Szenasi and Zoltan Vamossy	GPT-4 for Occlusion Order Recovery
41	Attila Érchegyi and Ervin Racz	Recording Environmental Parameters for the Validation of the Thermal Model of the Spent Fuel Interim Storage Facility in Paks
50	Nikita Kalganov , Berik Sabdenaliyev, Alimzhan Igenbayev, Murat Kozhanov, Amir Mosavi and Csaba Mako	Machine Learning in Employment Research Considering Methods and Applications in Job Quality and Algorithmic Management

12:00 – 12:20

[W2p] e-poster Special Session on Large Language Models

Aula

Session organizer and chair: Zsombor Zrubka

9	Patrik P. Süli , Viktória Tafferner-Gulyás, Levente Kovács and György Eigner	LLMs as Research Assistants: A Scoping Review
44	Tong Qiu, Jingwei Ge , Wenhan Wu and Fei-Yue Wang	Agent2Tool: MCP-Enhanced Reliable Integration of LLM Agents and Legacy Optimization Solvers

12:20 – 13:30

Lunch

13:30 – 14:50

Parallel sessions

13:30 – 14:50

[W3a] Special Session on Cybersecurity

Room F09

Session organizers and chairs: Miklós Kozlovsky and Anna Bánáti

29	Yuqing Guan and Andrea Tick	Assessing the Criticality of Electronic Payment Systems: A Critical Infrastructure Imperative
92	Attila Dér	Risk assessment for the cybersecurity systems in rail transport
76	István Oláh and Sandor Magyar	GDPR requirements for the use of artificial intelligence-based IT systems in financial institutions in Hungary
126	Imre Pardi and Anna Bánáti	Enhancing Gamified Active Directory Cyber Ranges with NIS2 Compliance Integration

13:30 – 14:50

[W3b] Special Session on Large Language Models ISession organizer and chair: Zsombor Zrubka

Room F08

31	Adam Hartveg , Barbara Simon, Lehel Dénes-Fazakas, Máté Siket, György Eigner and Levente Kovács	Hybrid LLM Architecture for Semantic Querying of University Regulatory Documents
47	Mark Zrubka , Márta Alexy, Katalin Takácsné György and Zsombor Zrubka	Large Language Models for Title/Abstract Screening in Systematic Literature Reviews: A Case Study in Precision Livestock Farming
63	Nelli Nyisztor , Zoltán Istenes and Gergely Treplán	Large Model-based Scenario Search for Automotive Validation
138	Rozália Szatmáry , Kornélia Sára Szatmáry and Fei-Yue Wang	Synthetic Data for Infertility Research: A Literature Review

13:30 – 14:50

[W3c] Session on Hybrid Systems, Artificial Intelligence and Modeling UncertaintySession chair: Szilárd Berke

Room F07

15	Zuyan Chen, Juha Röning and Shuai Li	World Model Enhanced Embodied Intelligence for Deformable Object Manipulation of Dynamic Targets
34	Péter Rózsás, László Schäffer , Zoltán Kincses and Szilveszter Pletl	A Cross-Paradigm Evaluation of SLAM Algorithms for Autonomous Driving on the KITTI Dataset
157	Kalamkas Kalybekova , Ainash Bekkulova, Bakyt Aitbayeva, Nurgul Nygmetova, Maiya Myrzabekova, Birayak Aksuirik, Alisher Aman	Artificial Intelligence – A Modern Tool for Teaching and Learning the Kazakh Language among Russian-speaking Audiences
32	Hasari Kaskan and Hasan Badem	Improving CNN-Based Binary Classification Using a Cognitive Computing Approach to Handle Uncertainty

13:30 – 14:45

[W3d] Special Session on PhD Student Workshop on Applied Informatics in Computational Intelligence IISession organizer and chair: László Horváth

Room F02

55	Balázs Vigh, Dániel Danca and Sándor Szénási	Mold Colony Analysis using K-means Clustering
57	Anita Petrene Szappan and Rita Fleiner	Aggregate analysis of models and metrics: Artificial Intelligence in complaint management
98	Attila Biró , Levente Kovács and László Szilágyi	Tactical Lineup Changes Simulation in Competitive High-Speed Team Sports via Hoeffding's Inequality and Concentration Bounds
103	Christoph Gritsch , Philipp Rosenberger and Andrea Tick	The Impact of Semi-structured and Unstructured Data on Workflow Efficiency: An Empirical Study

114	Márton Matula, Bence Nagy István, Roland Gulyás, Miklós Vincze , Botond Horváth, Péter Galambos, Martin Komlódi, Dániel Horti and Miklos Kozlovsky	Real-time event simulation solutions – a scoping review
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14:50 – 15:20 Coffee break

15:20 – 16:35 Parallel sessions

15:20 – 16:20 **[W4a] Session on Computational Intelligence II**
Session chair: **Mirjana Ivanovic**

Room F09

86	Maximilian Kraehschuetz and Katharina Schmucker	Facility Layout Optimization using Multi-Agent Deep Reinforcement Learning in a Continuous Space Multi-Floor Setting
124	Merlin Kasirajan , M A Hannan Bin Azhar and Scott Turner	Enhancing Explainability in Ambient Assisted Living Systems: A Grad-CAM and Hybrid Visualisation Approach
125	Merlin Kasirajan, M A Hannan Bin Azhar and Scott Turner	M ³ X-AAL: A Multi-Modal, Multi-Tier, MetaExplainability Framework for Trustworthy AI in Ambient Assisted Living Systems

15:20 – 16:20 **[W4b] Special Session on Large Language Models II**
Session organizer and chair: **Zsombor Zrubka**

Room F08

139	Ákos Pálosi , Csaba István Dézsi , Martin Ferenc Dövény and Dániel András Drexler	LLM-Based Decision Support for the Planning of Personalized Chemotherapy
137	Csaba Arendas , Tamás Haidegger and Zsombor Zrubka	Leveraging LLMs for Systematic Reviews: Evaluating Venture Capital Investment Strategies Across Large Datasets
40	Zsombor Zrubka , Bence Marcisák, Süli Patrik, Eigner György, Gáspár Judit, Márton Benedek and Sziklai Balázs	Piloting ModiBot: A Large Language Model-Based Moderator in Normal and Emotionally Challenging Focus Group Interactions

15:20 – 16:20

[W4c] Session on Applications V

Room F07

Session chair: **Noémi Piricz**

149	Anca Adriana Petcut Lasc , Valentina Emilia Balas and Flavius-Maxim Petcut	Performance Trends and Efficiency Limits of Photovoltaic Modules: An Analysis Based on NREL Champion Data
93	Botond Horváth	Virtual 3D Printer Simulation for Educational Purposes in MaxWhere
155	Konrad Kluwak, Hubert Kowalczyk, Lukasz Jelen, Jan Nikodem, Ryszard Klempous , Marek Kulbacki, Dariusz Jagielski	Segmentation Methods for Cardiac Electrotherapy Device Leads in X-Ray Images

15:15 – 16:30

[W4d] Special Session on PhD Student Workshop on Applied Informatics in Computational Intelligence III

Room F02

Session organizer and chair: **László Horváth**

118	Erick Noboa , György Eigner, Vivien Roxána Patakvölgyi and Lourdes Ruiz	Real-time Gaze Estimation via Face Mesh and Machine Learning: A Case Study
136	Mirtill-Boglárka Naghi , Dániel Derzsi, Levente Kovacs and László Szilágyi	Automatic Hyperparameter Optimization of Self-Tuning Possibilistic Fuzzy C-Means Using Genetic Algorithms
120	Attila Biró , Levente Kovacs and László Szilágyi	Disrupting the Critical 10 Seconds: An Optimization Framework for Lineup Changes and Strategy Shifts in Ice Hockey
131	Vivien Patakvölgyi , György Eigner and Máté Siket	Challenges and Methodological Insights in Real-Time Multimodal Biosignal Processing
59	Erik Ferenci, Elemér Balázs, Sándor Szénási and Zoltán Vámosy	Synthetic Training for Real Scripts: A Deep Learning Approach to Hungarian Cursive Digitization

17:00

Banquet

Aula

Thank you for your contribution!
See you at CINTI 2027!