

P R O G R A M

Thursday, October 17, 2024

NTT DATA Romania, 6th Floor, Șerbota Street no. 1A, 550247 Sibiu

organized by

Research Center in Informatics and Information Technology
Faculty of Sciences, Lucian Blaga University of Sibiu, Romania

9 ⁰⁰ – 9 ²⁰	Opening ceremony
9 ²⁰ – 9 ⁵⁰	Keynote Speaker Stefka Fidanova <i>Ant Colony Optimization and Applications</i>
9 ⁵⁰ – 10 ³⁰	Papers presentation – Chair Dana Simian
9 ⁵⁰ – 10 ¹⁰	Adrian Bender, Santiago Nicolet <i>Pretrained Language Models for Automatic Source Code Generation: Evaluation and Application of problem solving in Spanish.</i>
10 ¹⁰ – 10 ³⁰	Dana Simian, Felix Husac <i>Generative AI and Machine Learning-Based Practical Approach for Enhancing the User Experience in the Entertainment Industry</i>
10 ³⁰ – 10 ⁵⁰	Coffee break
10 ⁵⁰ – 11 ⁵⁰	Papers presentation - Chair Stefka Fidanova
10 ⁵⁰ – 11 ¹⁰	Cezar-Marian Papară, Ștefan-Horia Schirliu <i>Logistics Optimization for Resource Allocation and Scheduling Using Time Slots</i>
11 ¹⁰ – 11 ³⁰	Cristiana Constantinescu <i>Comprehending Steganography Through a Comparative Analysis with Watermarking: A Study</i>
11 ³⁰ – 11 ⁵⁰	Marin-Eusebiu Serban <i>Intelligent text correction approach for searching queries</i>
11 ⁵⁰ – 12 ¹⁰	Coffee break
12 ¹⁰ – 12 ⁴⁰	Keynote Speaker Magda Gregorová <i>Deep generative modelling - beyond language and videos</i>

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12 ⁴⁰ – 13 ²⁰	Papers presentation - Chair Magda Gregorová
12 ⁴⁰ – 13 ⁰⁰	Esther Ademola, Martin Reich, Magda Gregorova <i>An Investigative Study Exploring Machine Learning Approaches for Optimising Deep Brain Stimulation Programming</i>
13 ⁰⁰ – 13 ²⁰	Petar Zhivkov <i>Enhancing Liquidity and Stability in DeFi: USD-Collateralized Leveraged Restaking with Stablecoins</i>
13 ²⁰ – 14 ⁴⁰	Break
14 ⁴⁰ – 15 ⁴⁰	Papers presentation (online) - Chair Florin Stoica
14 ⁴⁰ – 15 ⁰⁰	Daniela Borissova, Naiden Naidenov, Zornitsa Dimitrova, Magdalena Garvanova, Ivan Garvanov, Radoslav Yoshinov <i>How to Select Chief Digital Officer to Drive Digital Transformation: A Multiple Attributes Group Decision-Making Model</i>
15 ⁰⁰ – 15 ²⁰	Branislav Radomirovic, Luka Jovanovic, Nebojsa Budimirovic, Miodrag Zivkovic, Nebojsa Bacanin, Milos Dobrojevic <i>Augmentation and substitution of medical training data with generative adversarial networks for machine learning</i>
15 ²⁰ – 15 ⁴⁰	Atanas Atanasov, Miglema Koleva, Lubin Vulkov <i>Optimization of Diffusion Parameters in Models of Water Uptake in Grains with Spherical Symmetry</i>
15 ⁴⁰ – 16 ⁰⁰	Coffee break
16 ⁰⁰ – 16 ³⁰	Keynote Speaker (online) Milan Tuba <i>Intelligent Systems for Digital Images</i>
16 ³⁰ – 17 ¹⁰	Papers presentation (online) - Chair Dana Simian
16 ³⁰ – 16 ⁵⁰	Mihai Petrov, Velichka Traneva, Stoyan Tranev, Venelin Todorov, Slavi Georgiev <i>The study of the influence of green house pollutants on the adiabatic constant of the atmospheric air</i>
16 ⁵⁰ – 17 ¹⁰	Ryan Soto, Eva Tuba <i>The Use of Convolutional Neural Networks in Autism Detection</i>
18 ¹⁰	Welcome Dinner
20 ³⁰	Sibiu by night (walking in the downtown Sibiu)

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9 ³⁰ – 10 ⁵⁰	Papers presentation - Chair Santiago Nicolet
9 ³⁰ – 9 ⁵⁰	Marcel Kyas, Joshua Springer, Gylfi Þór Guðmundsson <i>Safe autonomous control for landing uncrewed aerial vehicles</i>
9 ⁵⁰ – 10 ¹⁰	Stefka Fidanova, Ivan Dimov, Denitsa Angelova <i>Ant Colony Optimization for Planting Vegetables and Annual Fruit Crops</i>
10 ¹⁰ – 10 ³⁰	Adam Gonšenica, Andrej Mihálik, Roman Ďurikovič <i>Queues Detection and Skiers Distribution in the Ski Resorts</i>
10 ³⁰ – 10 ⁵⁰	Stefan-Bogdan Marcu, Yanlin Mi, Mark Tangney, Sabin Tabirca <i>ChemFlow: Bridging Computational Tools and Bioinformatics through LLM-Driven Workflow Automation</i>
10 ⁵⁰ – 11 ¹⁰	Coffee break
11 ¹⁰ – 11 ⁴⁰	Keynote Speaker Andrei Paun <i>Computing with neuron-like devices: SNP Systems</i>
11 ⁴⁰ – 12 ⁴⁰	Papers presentation - Chair Dana Simian
11 ⁴⁰ – 12 ⁰⁰	Alexandru Reuț <i>Securing software using Genetic algorithms and encoding</i>
12 ⁰⁰ – 12 ²⁰	Snezhana Ribarska, Olga Georgieva, Sophia Lazarova <i>Data Analysis for Cognitive States Identification</i>
12 ²⁰ – 12 ⁴⁰	Oana-Adriana Ticleanu, Daniel Hunyadi, Nicolae Constantinescu <i>Enhanced devices security using elliptic curves defined over particular spaces</i>
12 ⁴⁰ – 13 ⁰⁰	Coffee break
13 ⁰⁰ – 14 ²⁰	Papers presentation - Chair Marcel Kyas

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13 ⁰⁰ – 13 ²⁰	Amelia Bucur <i>Fractional Programming Problems</i>
13 ²⁰ – 13 ⁴⁰	Atanas Atanasov, Slavi Georgiev, Lubin Vulkov <i>Parameter Optimization in a Model of Influence of Brood Deaths on Honeybee Population Dynamics</i>
13 ⁴⁰ – 14 ⁰⁰	Dragoş Iliescu <i>Conceptual Modeling of a Laboratory's Products and some Assisted Management Applications</i>
14 ⁰⁰ – 14 ²⁰	Elena Cristina Răulea <i>The study of influencing factors impacting the selection of a higher education institution</i>
18 ⁰⁰	Official dinner