

Computer Science Students Conference 2023
June 30, 2023
CLUJ-NAPOCA, ROMANIA

14.00 - Premiere (SCSS-2023)			
Sala 335			
Panel 1, Sala 310		Panel 2, Sala 335	
Istvan Czibula, Alin Suciu		Anamaria Briciu, Adrian Colesa	
UBB, Str. Teodor Mihali, Nr. 58-60, Cluj Napoca		UBB, Str. Teodor Mihali, Nr. 58-60, Cluj Napoca	
8:30 – 8:45	<i>Filip Tășădan</i> , A comparative study on the effectiveness of text embedding for fake news detection, UBB	8:30 – 8:45	<i>Miruna-Maria Morarasu</i> , Topic-based Recommendations and Sentiment Analysis based on the Public Opinion on Romanian Movies, UBB
8:45 – 9:00	<i>Loghin Mihai-Adrian</i> , 3D Deformable Object Matching using Graph Neural Networks, UBB	8:45 – 9:00	<i>Coșa Cristina-Maria</i> , Applying Machine Learning Algorithms on Data Streams Through Experimental Study, UBB
9:00 – 9:15	<i>Alexandru Motogna</i> , Interleaving GANs with knowledge graphs to support design creativity for book covers, UTCN	9:00 – 9:15	<i>Alina Mihuț</i> , Dynamic Programmability of ARP Spoofing Attacks - UTCN
9:15 – 9:30	<i>Balanici Andrei Daniel; Manole Alexandru; Andrei Robert Alexandrescu</i> , GNERaTE: GAN Empowered Realistic Synthetic Traffic Sign Enhancementm UBB	9:15 – 9:30	<i>Marincaș Casian</i> , Generative Models in Text-to-Speech Synthesis. An Approach to Romanian Language Modeling, UBB
9:30 – 9:45	<i>Mihai Chirvasiu</i> , Problem diagnosis for faulty engines using sound processing, UBB	9:30 – 9:45	<i>Chiorean Alexandra, Rusu Ilinca, Buliga Teodor</i> , Histopathological image analysis using textural features, UBB
9:45 – 10:00	<i>Antonia Maria Zară</i> , Digital Exposure Assessment In The Age Of Large Language Models, UTCN	9:45 – 10:00	<i>Bianca Maria Onisa</i> , Autonomous service robot for elderly assistance with health monitoring, UTCN
10:00 – 10:15	<i>Petrescu Andrei</i> , Detecting Fraudulent Economic Activities Using Machine Learning and Complex Networks, UBB	10:00 – 10:15	<i>Horia-Radu Rusu</i> , Using the Kinect to Implement an Adapted Version Of the Fugl-Meyer Assessment for Upper Extremity, UBB
10:15 – 10:30	<i>Rotaru Ioana-Claudia</i> , Test Case Prioritization based	10:15 – 10:30	<i>Pop Ioan Daniel</i> , Machine Learning based

	on Neural Network Classification with Artifacts Traceability, UBB
10:30 – 10:45	<i>Andrei Santoma</i> , Towards Automated Evasive Windows Malware Analysis through Hypervisor-based Memory Snapshot Extraction, UTCN
10:45 – 11:00	<i>Raiu Madalin-Augustin</i> , MiniMax Algorithm for Gomoku Game: A Multi-Language Analysis and Performance Evaluation, UBB
11:00 – 11:15	<i>Sarkozi Melisa - Alexandra</i> , RoPCQ: A natural language processing-based querying tool for the Romanian Penal Code, UBB
11:15 – 11:30	<i>Doroteea Sandor</i> - Ontology Engineering Tool with GPT and OWL API, UTCN
11:30 – 11:45	<i>Andrei Petru Stefanie</i> , Near Real-Time Cloud Asset Inventory, UBB
11:45 – 12:00	<i>Arsene Vlad</i> , Automatic Buffer Overflow Exploitation Framework, UBB
12:00 – 12:15	<i>Ovidiu-Florin Golban</i> , Personal Assistant for elders, UTCN
12:15 – 12:30	<i>Negriță Iulia-Maria</i> , Securing Payment Transactions: Fraud Detection by Means of Data Mining, UBB

	Approaches for Students' Academic Performance Prediction, UBB
10:30 – 10:45	<i>David-Adorian Leancă</i> , Tumor identification in medical images, UTCN
10:45 – 11:00	<i>Bot-Rus I. Rares-Bogdan</i> , Graphical User Interface Architectural Patterns and Markup Languages, UBB
11:00 – 11:15	<i>Prundus Vlad-George</i> , A Study on The Correlation of Automatic Emotion Recognition from Different Sources, UBB
11:15 – 11:30	<i>Dragoș Bogdan Lazea</i> , Detecting Anomalies in Sensor Data Using FPGA-based Edge Devices, UTCN
11:30 – 11:45	<i>Suciu Antonio</i> , Analyzing the Relationship Between Cryptocurrency Prices and Popularity: A Predictive Study Using Google Trends Data, UBB
11:45 – 12:00	<i>Bledea Mihaela Alexandra</i> , Speech Emotion Recognition using Bi-Directional LSTM with attention mechanism, UBB
12:00 – 12:15	<i>Eduard Ionuț Popescu</i> , Detecting Diabetic Retinopathy through Fundus Images using an Ensemble of Classifiers, UTCN
12:15 – 12:30	<i>Sîrbu Radu-Mihai</i> , Deforestation Detection using Satellite Imagery, UBB

14.00 - Premiere (SCSS-2022)			
Sala 335			
Panel 3, Sala 320		Panel 4, Sala 321	
Ioan Gabriel Mircea, Calin Cenan		Vlad Ionescu, Mircea Paul Muresan	
UBB, Str. Teodor Mihali, Nr. 58-60, Cluj Napoca		UBB, Str. Teodor Mihali, Nr. 58-60, Cluj Napoca	
8:30 – 8:45	<i>Octavian-Alexandru Trifan, Eduard-Timotei Pauliuc, Privacy-Preserving GANs - Federated Learning and Fully Homomorphic Encryption Inference, UBB</i>	8:30 – 8:45	<i>Muscalagiu Anca Ioana, Pauliuc Eduard Timotei, Ploscar Andreea Alina, Automatic Detection and Classification of Atmospheric Fronts, UBB</i>
8:45 – 9:00	<i>Anca Ioana Muscalagiu, Quantum Reinforcement Learning in Protein Folding, UBB</i>	8:45 – 9:00	<i>Andra Carmen Marginean, Tooth segmentation and Carious Lesions segmentation in Panoramic X-Ray images using U-shaped Neural Networks, UBB</i>
9:00 – 9:15	<i>Iulia Andreea Turca, Image Annotation Tool: Integrating Supervised and Unsupervised Methods for RGB and Thermal Images, UTCN</i>	9:00 – 9:15	<i>Iulia Chereji, Virtual Terminal Support in HAL9000 Operating System, UTCN</i>
9:15 – 9:30	<i>Dragoș Spiridon, Deep Reinforcement Learning for Quoridor game, UBB</i>	9:15 – 9:30	<i>Silaschi Iasmina-Oana, Bidders Recommender for Public Procurement Auctions using Artificial Intelligence, UBB</i>
9:30 – 9:45	<i>Balog Diana-Alexandra, Towards a modern and efficient Agriculture using Big Data, DevOps and Cloud Computing, UBB</i>	9:30 – 9:45	<i>Susciuc Anastasia, A Generative Adversarial Network - inspired approach to maximize popularity of AI-generated content, UBB</i>
9:45 – 10:00	<i>Lucia Lup, Detecting Malicious Behavior in Android OS through Syscall Hooking and YARA Integration, UTCN</i>	9:45 – 10:00	<i>Mihaela Dorina Târșogoiu, Uncovering Hidden Knowledge: A Study on Relation Extraction using Clustering and Few-Shot Learning, UTCN</i>
10:00 – 10:15	<i>Volostiu Eusebiu, Feasibility of Machine Learning models for Intrusion Detection in IoT, UBB</i>	10:00 – 10:15	<i>Bozdog Ioana, Marian Georgiana, Engaged Learning using Natural Language Processing and Gamification, UBB</i>
10:15 – 10:30	<i>Mihai Grebla, Computer Vision in Gaming - Assistance in Aiming, UBB</i>	10:15 – 10:30	<i>Moldovan Andrada-Mihaela-Nicoleta, Outlier Detection through Connectivity-based Outlier Factor for Software Defect Prediction, UBB</i>
10:30 – 10:45	<i>Mihnea Paul Man, Andrei Mermeze, Hijacking the x64-to-ARM (XTA) emulator on Windows 11, UTCN</i>	10:30 – 10:45	<i>Paula Elena Stef, Remote Health Monitoring System, UTCN</i>

10:45 – 11:00	<i>Terebeș Liviu-Cristian</i> , Visual Transformer Siamese Networks for Multilabel Remote Sensing Image Retrieval, UBB
11:00 – 11:15	<i>Miruna-Maria Cilibia</i> , Personalized Styling Suggestions based on Facial Features, UBB
11:15 – 11:30	<i>Sebastian Antonio Toma</i> , Asking the Right Questions: Enhance Learning Capabilities of a Generative Model, UTCN
11:30 – 11:45	<i>Barabaș Elina</i> , A Convolutional Neural Network - based Vision of Boardgames, UBB
11:45 – 12:00	<i>Chiș Raluca-Diana</i> , Matching Apictorial Puzzle Pieces using Deep Learning, UBB
12:00 – 12:15	<i>Stefan Trifescu</i> , Detecting Linux privilege escalation with Extended Berkeley Packet Filter(eBPF), UTCN
12:15 – 12:30	<i>Murariu Alexandra</i> , Image classification by light pollution levels, UBB

10:45 – 11:00	<i>Aleman Mihnea-Ioan</i> , Enhancing Driver Behavior Estimation with Bidirectional LSTM and GRU Layers, UBB
11:00 – 11:15	<i>Mitrofan Alexandru-Cristian</i> , User and Item Based Music Recommender Systems for Mobile Applications Using Spotify Audio Features, UBB
11:15 – 11:30	<i>Sergiu Rareș Lupșa, Dan Toderici</i> , Comparing player rating awarding systems: Evaluating performance metrics in soccer, UTCN
11:30 – 11:45	<i>Negrău Mircea</i> , Centralized Integration of Data and Action Execution for Seamless Financial Management, UBB
11:45 – 12:00	<i>Neamțiu Cosmin-Ioan</i> , Using Machine Learning to adress privacy concerns in articles and content creation, UBB
12:00 – 12:15	<i>Ioana Virna</i> , Facial Expression and Stress Level Detection System, UTCN
12:15 – 12:30	