

## Computer Science Students Conference 2022

June 24, 2022

CLUJ-NAPOCA, ROMANIA

14.00 - Premiere (SCSS-2021 - General)			
Panel 1, Sala F14 Ciuciu Ioana, Suci Alin		Panel 2, Sala 356 Bota Florentin, Gheorghe Sebestyen&Oprisa Ciprian	
8:30 – 8:45	<i>Condrea Adrian</i> <b>Blockchain for decentralised and secure data storage - UBB</b>	8:30 – 8:45	<i>Tiutin Andrada-Georgia Simo</i> - <b>Tennis Predictions → Tennis Player Success Prediction Using Deep Learning - UBB</b>
8:45 – 9:00	<i>Alexandrescu Andrei-Robert, Manole Alexandru</i> <b>Railway Semantic Segmentation using U-Net Architectures - UBB</b>	8:45 – 9:00	<i>Dumistrăcel Sabina</i> <b>Book Genre Recognition Using Convolutional Neural Networks - UBB</b>
9:00 – 9:15	<i>David Bogdan, Darius Has</i> <b>Knowledge graphs for natural language understanding - UTCN</b>	9:00 – 9:15	<i>Adam Godra</i> <b>Privy Messenger - A P2P, E2EE Instant Messaging System - UTCN</b>
9:15 – 9:30	<i>Barzu Andrei-Daniel</i> <b>Load Shedding on Data Streams: an Experimental Study on Two New Approaches for Computing Tuple Importance - UBB</b>	9:15 – 9:30	<i>Mierlă Cristina</i> <b>Covid-19 exploration and prediction using machine learning -UBB</b>
9:30 – 9:45	<i>Cîmpean Andreea-Cristiana</i> <b>Evaluation of Continuous Queries on Streams of Data – Experimental Study- UBB</b>	9:30 – 9:45	<i>Truta Patricia-Georgiana</i> <b>Platform for Assisting Commercial Law Activities - UBB</b>
9:45 – 10:00	<i>Alexandra Mitrea</i> <b>Adding Authentication, Authorization and Accounting to a 64-bit Operating System - UTCN</b>	9:45 – 10:00	<i>Alexandra Sauchea</i> <b>Out-of-Band Network Management System Proposal - UTCN</b>

<b>10:00 – 10:15</b>	<i>Galan Maria Lavinia</i> <b>Birds Species Classification From Images Using Transfer Learning - UBB</b>
<b>10:15 – 10:30</b>	<i>Coroama Diana-Mihaela</i> <b>Intelligent support system for bladder diagnosis – UBB</b>
<b>10:30 – 10:45</b>	<i>Balázs Benedek</i> <b>CANComa: Shutdown Attack on Automotive Electronic Control Unit over Control Area Network - UTCN</b>
<b>10:45 – 11:00</b>	<i>Aștilean Rareș-Adrian</i> <b>Building a search engine for a part of the World Wide Web and improving it with artificial intelligence – UBB</b>
<b>11:00 – 11:15</b>	<i>Toth Cristina Maria</i> <b>AI Web Application for Nutrition –UBB</b>
<b>11:15 – 11:30</b>	<i>Ardelean Octavian Ioan, Burzo Adrian Gabriel</i> <b>A visual simulator for variants of spiking neural P systems with inhibitory rules and rules on synapses - UTCN</b>
<b>11:30 – 11:45</b>	<i>Moraru Dora-Maria</i> <b>Automatic Music Transcription - UBB</b>
<b>11:45 – 12:00</b>	<i>Coroamă Larisa-Gabriela</i> <b>Decision Support System For Prostate Cancer Stratification - UBB</b>

<b>10:00 – 10:15</b>	<i>Craiu Constantin-Tiberiu</i> <b>Auxiliary diagnosis for Canine Hip Dysplasia classification based on Norberg Hip Angles identification using Convolutional Neural Networks - UBB</b>
<b>10:15 – 10:30</b>	<i>Comănac Dragoș-Mihail</i> <b>Public transport vehicle detection based on deep learning - UBB</b>
<b>10:30 – 10:45</b>	<i>Aghenitei Bianca-Ioana</i> <b>Integrating IoT (Internet of Things) and Computer Vision Technologies in the Process of Cultivating Tomatoes in a Greenhouse - UTCN</b>
<b>10:45 – 11:00</b>	<i>Cheran Bianca Paula</i> <b>Conversational Chatbot for Medical Application - UBB</b>
<b>11:00 – 11:15</b>	<i>Linca Razvan Cosmin</i> <b>Romanian News Classification using Transformer-based Models - UBB</b>
<b>11:15 – 11:30</b>	<i>Florin-Daniel Petrean</i> <b>Automatic Buffer Overflow and Format String Vulnerability Detection and Exploitation - UTCN</b>
<b>11:30 – 11:45</b>	<i>Ghilea Ramona Claudia</i> <b>Drug Response Prediction in Glioma using Machine Learning Models -UBB</b>
<b>11:45 – 12:00</b>	<i>Sirbu Alexandru-Gabriel</i> <b>Cyber vulnerabilities surveillance via specialized articles - UBB</b>

<b>12:00 – 12:15</b>	<b><i>István-Attila Császár</i> Towards a fast and reliable reverse engineering tool based on Frida framework and Rust - UTCN</b>
<b>12:15 – 12:30</b>	<b><i>Baston Radu-Andrei</i> Transformers in the context of food recognition - UBB</b>
<b>12:30 – 12:45</b>	<b><i>Pasca Alexandra</i> Empirical study on Detecting SQL code smells - UBB</b>
<b>12:45 – 13:00</b>	<b><i>Lajos Mihai Zsisku</i> Methods for Detecting Proxied Malware Execution - UTCN</b>
<b>13:00 – 13:15</b>	<b><i>Medrea Diana</i> A Comparison and improvement of data stream classification algorithms - UBB</b>
<b>13:15 – 13:30</b>	<b><i>Toncea Ion-Alin</i> CountApp: Yield estimation using YOLOv5 and synthetic images - UBB</b>

<b>12:00 – 12:15</b>	<b><i>Köllő Magor Örs</i> Autonomous Harvesting Robot with an Embedded GPU based Approach - UTCN</b>
<b>12:15 – 12:30</b>	<b><i>Oanță Robert-Christian</i> Crypto Advisor: A web application for spotting cross-exchange cryptocurrency arbitrage opportunities - UBB</b>
<b>12:30 – 12:45</b>	<b><i>Birtocian Ada-Ioana</i> Framework for fine-tuning algorithm parameters - UBB</b>
<b>12:45 – 13:00</b>	<b><i>Maria-Larisa Radu</i> The Robot Hand Teacher for American Sign Language - UTCN</b>
<b>13:00 – 13:15</b>	<b><i>Borodi Ștefan-Cristian</i> A frame-based approach for exposing deepfakes by identifying facial forgeries in videos - UBB</b>
<b>13:15 – 13:30</b>	<b><i>Motora Paul-Gheorghe</i> Combined Application of Genetic Programming in Deep Learning for detecting Fraudulent Transactions - UTCN</b>

<b>Panel 3, Sala 467</b> <b>Benta Iulian, Adrian Groza</b>	
<b>8:30 – 8:45</b>	<i>Tudorescu Alexandra-Natalia</i> <b>Geometry-based 3D Facial Expression Synthesis - UBB</b>
<b>8:45 – 9:00</b>	<i>Mihalca Ștefania-Maria</i> <b>FeelMusic – A Music Emotion Recognition Application using Weighted KNN - UBB</b>
<b>9:00 – 9:15</b>	<i>Cristian Nacu</i> <b>Real Time Behavioral Malware Detection Using Intel Processor Trace - UTCN</b>
<b>9:15 – 9:30</b>	<i>Serban Dragos-Cornel</i> <b>Extending the SonarQube Technical Debt - UBB</b>
<b>9:30 – 9:45</b>	<i>Crudu Mălina</i> <b>Automatic Detection of Verbal Deception in Romanian with Artificial Intelligence Methods - UBB</b>
<b>9:45 – 10:00</b>	<i>Ciocan Oana Maria</i> <b>Stock market prediction using LSTM, correlations and Twitter sentiment analysis - UTCN</b>
<b>10:00 – 10:15</b>	<i>Victor Răzvan-Constantin</i> <b>Discovering Biomarkers for Trait Anxiety via Genetic Programming - UBB</b>
<b>10:15 – 10:30</b>	<i>Petcu Carina</i> <b>Multi-feature Facial Emotion Recognition: combining Convolutional Neural Networks with Optical Flow based Action Unit detection – UBB</b>
<b>10:30 – 10:45</b>	<i>Andreea Sălăgean, Andreea Pașc</i> <b>LFP Microstate Analysis - UTCN</b>

<b>10:45 – 11:00</b>	<i>Neacsu Andreea</i> <b>Classifying test cases using a neural network model - UBB</b>
<b>11:00 – 11:15</b>	<i>Lazăr Camelia</i> <b>Violence Detection in Videos using Machine Learning Based Models - UBB</b>
<b>11:15 – 11:30</b>	<i>Olar Paula</i> <b>Developing a virtual shopping assistant using automated web crawling techniques - UTCN</b>
<b>11:30 – 11:45</b>	<i>Marginean Diana</i> <b>Empirical study on program comprehension in Embedded Systems - UBB</b>
<b>11:45 – 12:00</b>	<i>Baghiut Iaoan-Roxana</i> <b>Sentiment Analysis on Short Texts: The Case of the Romanian Language -UBB</b>
<b>12:00 – 12:15</b>	<i>Bouaru Radu</i> <b>Architecture for Inspecting Bluetooth Traffic in Software-Defined Networks - UTCN</b>
<b>12:15 – 12:30</b>	<i>Cristurean Roxana</i> <b>The Application of Sentiment Analysis in Psychotherapy via Empathic Conversational Agents – UBB</b>
<b>12:30 – 12:45</b>	<i>Galbin-Nasui Andreea</i> <b>Bug reports priority classification model - UBB</b>
<b>12:45 – 13:00</b>	<i>Razvan Gabriel Dumitru, Sebastian-Antonio Toma</i> <b>Fisher’s test using Prime decomposition - UTCN</b>
<b>13:00 – 13:15</b>	<i>Nadejde Camelia-Petrina</i> <b>Software Defect Prediction Models. A replication study. - UBB</b>
<b>13:15 – 13:30</b>	<i>Cozma Victoria</i> <b>A Marker-based vs Markerless Augmented Reality Environment for Jewelry Online Shops - UTCN</b>