Seventh International Conference on Applied Informatics
Imagination, Creativity, Design, Development
May 11-13, 2023, Sibiu, Romania

PROGRAM

THURSDAY, May 11, 2023

Faculty of Sciences,
Sibiu, Dr. I. Rațiu st., No. 5-7
2nd Floor, Room A27

International Conference on Applied Informatics – ICDD 2023

organized by

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

$8^{30} – 9^{00}$	**Registration**
$9^{00} – 9^{20}$	**Opening ceremony**
$9^{20} – 9^{30}$	**ProIT presentation** • *Automotive Advanced Driving Systems,* **Codruța Olaru, Marian Mircea**
$9^{30} – 10^{45}$	**Papers presentation - Chair Prof. Dr. Dana Simian**
$9^{30} – 9^{45}$	• *StudBase,* **Viorel Augustin Bărbos, Andrei Eduard Dumitraș, Rareș Andrei Crainic**, TUCN - North University Center of Baia Mare, Romania
$9^{45} – 10^{00}$	• *Question-Answering System for Coffee Machines,* **Marius Benkert, Jochen Schmidt, Lennard Rose**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
$10^{00} – 10^{15}$	• *Advanced sentiment analysis at textual conversation level using modern NLP techniques,* **Rareș-Gabriel Mușea**, Lucian Blaga University of Sibiu, Romania
$10^{15} – 10^{30}$	• *Domina - a puzzle game meant to improve mental health*, **Petar Mishev, Galina Atanasova**, "Angel Kanchev" University of Ruse, Bulgaria
$10^{30} – 10^{45}$	• *Control and Simulation for an Electrically Controlled Pneumatic Suspension,* **Maria-Denisa Kiss,** Lucian Blaga University of Sibiu, Romania
$10^{45} – 11^{15}$	**Coffee break**
$11^{15} – 13^{00}$	**Papers presentation - Chair Prof. Dr. Peter Braun**
$11^{15} – 11^{30}$	• *MemStego. Stenography and Memes combined,* **Vladislav Nikolov, Galina Atanasova**, "Angel Kanchev" University of Ruse, Bulgaria

$11^{30} - 11^{45}$	• *BreathApp,* **Marian Ionuț Cândea, Norbert Alexandru Kovacs, Gheorghe-Cătălin Iuga, Rareș Ciprian Chiuzbăian, Eduard Florin Podolac, Edmond Roland Volosciuc**, TUCN - North University Center of Baia Mare, Romania
$11^{45} - 12^{00}$	• *A User-Friendly Solution for streamlining Hotel and Restaurant Management with QR Code Integration,* **Corina Iordache, Felix Husac**, Lucian Blaga University of Sibiu, Romania
$12^{00} - 12^{15}$	• *Advanced Vision-Guided Autonomous Navigation Robot,* **Stephanie Fîșcă, Cristian Nicolae Cîndea**, Lucian Blaga University of Sibiu, Romania
$12^{15} - 12^{30}$	• *Android app for vehicles owners,* **Elisei Daniel Prală,** Lucian Blaga University of Sibiu, Romania
$12^{30} - 12^{45}$	• *Prism: Democratizing Artificial Intelligence through a Low-code Approach,* **Matei-Ioan Marin,** Gheorghe Lazăr National College Sibiu, Romania
$12^{45} - 13^{00}$	• *The game theory behind a 2D action role-playing game,* **David-Stelian Hoka** , Lucian Blaga University of Sibiu, Romania
$13^{00} - 15^{30}$	**Lunch – Hotel Imparatul Romanilor Sibiu**
$15^{30} - 17^{15}$	**Papers presentation - Chair Assoc. Prof. Dr. Florin Stoica**
$15^{30} - 15^{45}$	• *Biometric authentication solution based on high-resolution iris data,* **Teodora Popa**, Lucian Blaga University of Sibiu, Romania
$15^{45} - 16^{00}$	• *Learning to unpermute,* **Muhammad Zakriya Shah Sarwar, Nehmiya Shikur**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
$16^{00} - 16^{15}$	• *Multi Source Music Player,* **Kameliya Shoylekova, Bozhidar Atanasov**, Angel Kanchev University of Ruse, Bulgaria
$16^{15} - 16^{30}$	• *GEditor,* **Matei Steavu**, Radu Negru National College, Făgăraș, Romania
$16^{30} - 16^{45}$	• *FindYourGym,* **Alexandru-Ioan Manu**, TUCN - North University Center of Baia Mare, Romania
$16^{45} - 17^{00}$	• *The Epidemics Toolset: An interactive web app for genome comparison and mathematical modelling in epidemiology,* **Augusta Ionaș,** Samuel von Brukenthal National College, Sibiu, Romania
$17^{00} - 17^{15}$	• *The Bezt Shaorma: A Fun and Engaging Approach to Learning About Physical Forces,* **Ștefanel-Alexandru Banu, Sorin-Ionuț Conea,** Vasile Alecsandri University of Bacău, Romania
$18^{15} - 20^{45}$	**Official Dinner – Restaurant Sonne, Sibiu**
$20^{45} - 21^{45}$	**Sibiu by night (walking in the Sibiu downtown)**

FRIDAY, May 12, 2023

Faculty of Sciences,
Sibiu, Dr. I. Raţiu st., No. 5-7
2nd Floor, Room A27

International Conference on Applied Informatics – ICDD 2023

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

$9^{00} – 10^{00}$	**Papers presentation - Chair Lecturer. Dr. Daniel Hunyadi**
$9^{00} – 9^{15}$	• *An analysis of the impact of Russia's invasion of Ukraine on the volatility of fuel prices in Romania*, **Ioana-Andreea Gîfu, Maria Ioana Popa**, University of Craiova, Romania
$9^{15} – 9^{30}$	• *Smart-R,* **Bogdan Ștefan Lupănescu, Vasile Șofron,** TUCN - North University Center of Baia Mare, Romania
$9^{30} – 9^{45}$	• *Facial Recognition System in MATLAB*, **Victor Őtveș**, Lucian Blaga University of Sibiu, Romania
$9^{45} – 10^{00}$	• *Navigating the Future: an approach of autonomous indoor vehicles,* **Julian Tilly, Christopher Neeb, Chandu Bhairapu, Fatima Mohamed, Indrasena Reddy Kachana, Mahesh Saravanan, Phuoc Nguyen Pham**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
$10^{00} – 10^{30}$	**Coffee break**
$10^{30} – 11^{30}$	**Papers presentation - Chair Prof. Dr. Frank Michael Schleif**
$10^{30} – 10^{45}$	• *Detecting Tobacco Crop Using Convolutional Neural Network (CNN) and Ensemble Method,* **Zeynep Dilan Daşkın,** Transilvania University of Brasov (Erasmus Student in Brașov, Student from Atilim University), Romania
$10^{45} – 11^{00}$	• *Integrated Modules to Develop an AI-based Technology for the Transcription of Old Romanian Documents*, **Eduard Coman, Andreea Dascalu, Claudiu Marinescu**, Transilvania University of Brașov, Romania
$11^{00} – 11^{15}$	• *Contextual based supervised text correction with index-based tokenization,* **Marin-Eusebiu Șerban**, Lucian Blaga University of Sibiu, Romania

$11^{15} - 11^{30}$	• *Autonomous driving simulation utilizing DNNs in Unreal Engine 5,* **Cristian Nicolae Cîndea, Stephanie Fîşcă**, Lucian Blaga University of Sibiu, Romania
$12^{00} - 13^{30}$	**Lunch – University Canteen, Sibiu**
$13^{30} - 14^{45}$	**Papers presentation - Chair Prof. Dr. Dana Simian**
$13^{30} - 13^{45}$	• *Using Deep Learning Methods For Modeling And Forecasting Brent Crude Oil Prices*, **Maria Ioana Popa, Ioana-Andreea Gîfu**, University of Craiova, Romania
$13^{45} - 14^{00}$	• *Using Nudging to Influence Sustainable Product Selection in an Online Supermarket under the Factor of Time Pressure,* **Leonie Zech**, Technical University of Applied Sciences Würzburg Schweinfurt, Germany
$14^{00} - 14^{15}$	• *From Turing Complete game to my own PC*, **Dennis - Vlăduţ Teglas**, Transilvania University of Braşov, Romania
$14^{15} - 14^{30}$	• *Breezy Air - An IoT application to monitor the quality of breathed air,* **Gabriel Claudiu Radu, George Bogdan Trîmbiţaş,** Titu Maiorescu National College Aiud, Romania
$14^{30} - 14^{45}$	• *On Enforcing Database Constraints Using MS VBA Event-Driven Procedures and SQL Server*, **Diana Christina Mancaş**, Ovidius University, Constanta, Romania
$16^{30} - 17^{45}$	**Closing ceremony - Room A27**

SATURDAY, May 13, 2023

International Conference on Applied Informatics – ICDD 2023

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

$8^{30} - 20^{00}$	**Trip on the route** Sibiu - Alba Iulia (The Citadel Alba-Carolina, Reunification Cathedral, downtown) - Hunedoara (Corvins' Castel) - Open Air Astra Museum Sibiu (Night of Museums)