PROGRAM

International Conference on Applied Informatics – ICDD 2024
organized by
Faculty of Sciences, Research Center in Informatics and Information Technology
Lucian Blaga University of Sibiu, Romania

THURSDAY, May 23th, 2024

NTT DATA Romania, 6th Floor, 1A Șerbota str., Sibiu

08:45-09:30   **Registration**
09:30-09:50   **Opening ceremony**

10:00-11:30   **Papers presentation - Chair Prof. Dr. Dana Simian**
1. *Dynamic Graphics in Live Streaming: OBS Addon for Custom Lower Thirds,* **Felix Husac**, Romania
2. *TicketGO: Mobile applications for purchasing and managing bus tickets in Pitești,* **Ioana-Valeria Turcin, Eduard-Alexandru Oprea, Elena-Luiza Buzatu,** National University of Science and Technology Politehnica Bucharest, Pitești University Center, Romania
3. *Automatic text assistance for enhancing the search in an university web page,* **Marin-Eusebiu Șerban,** Lucian Blaga University of Sibiu, Romania
4. *Technology of monitoring incubators to save premature babies,* **Giorgiana-Maria Marangoci, Cosmin-Lucian Pal, Sorin Ionuț Conea, Cătălina Dumitru, Daniela-Alexandra Podoreanu,** Vasile Alecsandri University of Bacău, Romania
5. *Automated Calibration Robot with LiDAR Self-Localization*, **Sebastian Baader, Tamara Bergerhoff, Max Werner, Meik Filipov,** Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
6. *Development challenges of a verification IP for I²C communication,* **Darius Codruț Pavel,** Transilvania University of Brasov, Romania

11:30-12:00   **Coffee break**

12:00-13:15   **Papers presentation - Chair Prof. Dr. Peter Braun**

1. *Digital logic, from relays to embedded*, **Radu-Andrei Căpățînă**, Transilvania University of Brasov, Romania
2. *Impact of AI Companions on Loneliness and Parasocial Interactions in Young Adults*, **Niklas Groffner**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
3. *Wise Time Manager*, **Radu-Roland Roşoga**, Lucian Blaga University of Sibiu, Romania
4. *From Notes to Harmony: An Insight into Musical Theory*, **Andrei Maria,** Lucian Blaga University of Sibiu, Romania
5. *Studies in selecting and optimizing Machine Learning algorithms*, **Mioara Lupe**, Lucian Blaga University of Sibiu, Romania

13:30-15:30   **Lunch break – Restaurant Împăratul Romanilor Sibiu**

15:30-17:15   **Papers presentation - Chair Assoc. Prof. Dr. Florin Stoica**

1. *The future of passwords*, **Eugen Cojocaru**, GSD, Romania
2. *Simulated Environment with Personality Driven Agents,* **David Zoltan Kallai,** Babes-Bolyai University, Cluj-Napoca, Romania
3. *Communication with AI: The Influence of the Transmission Medium on AI Acceptance*, **Marie Herz**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
4. *Multi-Factor Authentication Simulation Software based on Biometric Characteristics*, **Vlăduț Mădălin Gidea**, Spiru Haret University, București, Romania
5. *The Functionality of Graphic Engines,* **Matei-Cristian Steavu,** Radu Negru National College, Făgăraș, Romania– online
6. *Performance Analysis of IceNet Model for Prediction of Sea Ice Cover,* **Madelyn Holveck,** Trinity University, USA – online
7. *Prostate Cancer Diagnosis assisted by Artificial Intelligence,* **Santiago Salimbeni (MD), Santiago Nicolet (Eng.M),** Universidad del Salvador Research Institute of Science and Technology, Argentina – online

18:30-20:00   **Dinner – Restaurant Împăratul Romanilor Sibiu**
20:00-21:30   **Sibiu by night (walking in the Sibiu downtown)**

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FRIDAY, May 24th, 2024

NTT DATA Romania, 6ᵗʰ Floor, 1A Șerbota str., Sibiu

09:00-10:15 **Papers presentation - Chair Assoc. Prof. Dr. Nicolae Constantinescu**

1. *Applications of Sound Anomaly Detection*, **Costin Constantinescu,** NTT DATA Romania
2. *Strategies for Optimizing Pharmaceutical Logistics: A Focus on Transportation Efficiency*, **Cezar-Marian Papară, Alex-Andrei Rîpan,** Alexandru Ioan Cuza University of Iași, Romania
3. *The Perception and Potential of Artificial Intelligence in Sexual Education,* **Pauline Weber,** Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
4. *GPAssistant Medical Software*, **Bozhidar Dachev,** University of Ruse "Angel Kanchev", Bulgaria
5. *Audio-Studio Streaming Web Platform*, **Ionuț-Marius Iordan, Valentina-Florina Toma, Andrei-Marius Dumitrașcu,** National University of Science and Technology Politehnica Bucharest, Pitești University Center, Romania

10:15-10:45 **Coffee break**

10:45-12:00 **Papers presentation - Chair Assoc. Prof. Dr. Florin Stoica**

1. *Scientific presentation*, **Gabriela Cândea,** ROPARDO, Romania
2. *Robot solving maze*, **Ștefăniță Denis Udrea, Cristian-Alexandru Ene, Bogdan Ștefan Calafețeanu, Andreea Roxana Lețu**, University of Craiova, Romania
3. *Virtual_Gym_Coach*, **Matei Roman, David Roman**, Titu Maiorescu College of Aiud, Romania
4. *Dog Activity Detection and Recognition,* **Bushra Najeeb Syeda, Dhruval Bhuva, Aniket Kulkarni,** Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
5. *Web-based Application to Provide Translation of Texts in Comic Books*, **Valentin Cojocari, Petru Lunic**, Vasile

Alecsandri University of Bacău, Romania

12:00-12:30   **Coffee break**

12:30-13:45   **Papers presentation - Chair Prof. Dr. Dana Simian**

1. *Predictive Policing: Societal Acceptance in the Field of Ethical Controversies - A Quantitative Study*, **Eliana Virgilio**, Technical University of Applied Sciences Würzburg-Schweinfurt, Germany

2. *Optimization techniques for generating volumetric planetary environments*, **Daniel-Vlad Sasu**, Babes-Bolyai University, Cluj-Napoca, Romania

3. *Smart pet feeder with video monitoring*, **Mariana-Casiana Blana, Mihai Nicolae Zăbavă, Elisei Daniel Prală**, Lucian Blaga University of Sibiu, Romania

4. *Cosmic Journey*, **Luca Todoran, Diana Savoiu,** Lucian Blaga University of Sibiu, Romania

5. *The Search for the Time Travelling Dog*, **Matei-Ioan Hămbăşan Andra-Maria Uleşan**, Samuel von Brukenthal National College, Sibiu, Romania

13:45-15:00   **Pizza break**

16:15   **Closing ceremony – NTT DATA, 6TH FLOOR**

18:00   **Official Dinner - Restaurant Împăratul Romanilor Sibiu**

SATURDAY, May 25th, 2024

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08:00-20:00   **Trip on the route**
Sibiu - Sighișoara - Rupea Citadel - Esmerald Lake (Racoș) - Făgăraș Citadel – Sibiu