PROGRAM

International Conference on Applied Informatics – ICDD 2025
organized by
Faculty of Sciences, Research Center in Informatics and Information Technology
Lucian Blaga University of Sibiu, Romania

THURSDAY, May 29th, 2025

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

08:45-09:30	**Registration**
09:40-10:00	**Opening ceremony**

10:00-11:15 **Papers presentation - Chair Prof. Dr. Dana Simian**

1. *WebXR-Previz: Low-Cost System for Real-Time Previsualization and Broadcast Graphics,* **Felix Husac**, Lucian Blaga University of Sibiu, Romania
2. *Assessing Visual Tracking in Children with Special Needs: A Tool for Ergotherapists,* **Gokul Perumbayil Vijayakrishnan, Anagha Manikathuparambil Baby, Blesson Manjakunnel,** Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
3. *Web-based Intelligent System for Dynamic Text Rendering and Interactive Content Management in Full-screen Environments in the Music Industry,* **Kristian Spasov, Martin Dzhurov, Serkan Sadulov,** University of Ruse "Angel Kanchev", Bulgaria
4. *SmartGarden: An Economical IoT-Enabled System for Indoor Plant Surveillance and Irrigation,* **Alexandra Onose,** Transilvania University of Brasov, Romania
5. *Rated Voting System and the future of voting in Romania*, **Giorgiana-Maria Marangoci, Alex-Andrei Rîpan, Ștefan-Ioan Istina,** Vasile Alecsandri University of Bacău, Romania

11:15-11:55	**Coffee break**
11:55-13:10	**Papers presentation - Chair Prof. Dr. Peter Braun**

1. *Converting different CV formats into a standardized format*, **Cantemir Mihu**, NTT Data Romania
2. *TransitAI: An AI-Powered Conversational Assistant for Public Transportation Information Access*, **Eduard-Alexandru Oprea, Elena-Luiza Buzatu, Ioana-Valeria Turcin**, National University of Science and Technology Politehnica Bucharest, Pitești University Center, Romania
3. *Evaluating Log Messages Using a Big Data Approach*, **Tobias Schneider**, Hochschule Landshut, Germany
4. *ArchiMind Academy: A Hybrid Model for Digital Innovation in STEM Education*, **Ioan Flavius Dancasiu,** Lucian Blaga University of Sibiu, Romania
5. *Discovery STEM – EduLab360*, **Andrei-Zian Gavrilă, Andrei-Marius Țiplic, Paul-Ioan Țiplic,** Gheorghe Lazăr National College Sibiu, Romania

13:10-15:00 **Pizza break**

15:00-16:30 **Papers presentation - Chair Assoc. Prof. Dr. Florin Stoica**
1. *Simulations of Vertical Farming Spaces*, **Roberto-Alessandro Sociu, Codrin-Petruț Toma**, Vasile Alecsandri University of Bacau, Romania
2. *Personalized Medical Service Matching Platform*, **Elena-Iuliana Trifan**, Lucian Blaga University of Sibiu, Romania
3. *POLARIS - Path Optimization & LAN Analysis Routing Intelligence System*, **Victor - Ioan Călbureanu**, Samuel von Brukenthal National College Sibiu, Romania
4. *AI Platform for Real-Time Cyber Threat Detection*, **Vlad-Matei Poienariu, Rares Muntean, Vlad-StefanAlexandrescu**, Spiru Haret University, Romania
5. *CityVibe,* **Diana Săvoiu, Luca Todoran,** Lucian Blaga University of Sibiu, Romania
6. *Rubik's Cube - an interactive solution for optimizing your training,* **Andrei Dăian, Marian-Daniel Drăghici,** Lucian Blaga University of Sibiu, Romania

18:00-20:00 **Official Dinner – Restaurant Sonne Sibiu**

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FRIDAY, May 30th, 2025

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

09:30-10:45   **Papers presentation - Chair Prof. Dr. Peter Braun**

1. *Comparative Analysis of Transfer Learning vs. Individual LSTM Models for Stock Price Prediction*, **Andrei Priboi,** Transilvania University of Brasov, Romania
2. *User-Centered AI: Improving Workflows through intelligent Chatbots*, **Sophie Geisler, Peter Möhle, Marcel Wernisch, Felix Zorn,** Technical University of Applied Sciences Würzburg-Schweinfurt, Germany
3. *Game Engine Development: Research, optimization, and performance enhancement,* **Serkan Sadulov, Mustafa Mustafov,** University of Ruse "Angel Kanchev", Bulgaria
4. *Hello Code! - A Gamified Approach to Learning Programming*, **Luana Lăcrămioara Hususan, Beatrice-Elena Câlb,** Lucian Blaga University of Sibiu, Romania
5. *Autonomous Navigation using interconnected embedded devices with external AI Accelerator*, **Marian-Daniel Drăghici, Andrei Dăian,** Lucian Blaga University of Sibiu, Romania

10:45-11:30   **Coffee break**

11:30-13:00   **Papers presentation - Chair Prof. Dr. Dana Simian**

1. *Predictive Maintenance using On-Board Diagnostics (OBD-II) Data: An Analysis*, **Tanya Teresse, Jarin J. V., Deepthi Das,** Christ (Deemed to be) University, Bangalore, India-online
2. *Hybrid Steganography-Cryptography Solution for Password Management*, **Iulia-Georgiana Muntean**, Lucian Blaga University of Sibiu, Romania
3. *Organ 3D Model Reconstruction using Point Clouds and Delaunay Triangulation,* **Matei-Cristian Steavu,** Transilvania University of Brasov, Romania
4. *EmiNet: A first step towards health,* **Ștefan Eminovici,** Samuel von Brukenthal National College Sibiu, Romania

5. *Tecky: Multimodal Local Agents for Intelligent macOS Automation,* **Alexandru – Emil Sofonea,** Samuel von Brukenthal National College Sibiu, Romania
6. *Using Supervised Machine Learning Models for the Management of Quality Indices*, **Marin-Eusebiu Șerban,** Lucian Blaga University of Sibiu, Romania

13:00-14:00	**Coffee break**
14:00-14:30	**Closing ceremony – NTT Data, 6th floor**
14:45	**Lunch break – Restaurant Sonne Sibiu**

SATURDAY, May 31th, 2025

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09:00-19:00	**Trip on the route** Sibiu – Biertan - Sighișoara - Daneș – Sibiu