



INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

AGENDA



Thursday, June 19, 2025
“ Aleksandër Moisiu“ University, Durrës
Conference Hall, fourth floor, Currila

Time	Activity	
09:30 – 10:00	Participants Registration	
10:00-10:45	Opening Ceremony	
10:45-11:15	Coffee Break	

Opening Ceremony
Conference Hall

INVITED SPEAKERS:

Prof. Dr. Shkëlqim FOTUZI

Rector of “Aleksandër Moisiu” University, Durrës

Prof. Assoc. Anjeza PASKU

Dean of Faculty of Information Technology, “Aleksandër Moisiu” University, Durrës

Prof. Dr. Xhemal ZENUNI

Dean of Faculty of Contemporary Sciences and Technologies, South East European
University, North Macedonia

Prof. Asoc. Jusuf QARKAXHIJA

Dean of the Faculty of Computer Science, AAB College, Kosovo

Prof. Dr. Fatmir HOXHA

Albanian Academy of Sciences

PhD. Amarildo Rista

Vice-Dean for Science and Research, Faculty of Information Technology, “Aleksandër
Moisiu” University, Durrës

General Chair of CSIT® 2025

Prof. Dr. Bekir KARLIK

Keynote Speakers, Expert in Artificial Intelligence and Pattern Recognition
“Hybrid Learning: The Impact of Clustering Algorithms on Supervised Machine Learning”

Parallel Sessions I (Conference Hall)		Thursday, June 19, 2025
Moderator: Prof. Dr. Özcan Asilkan		
Time	Activity	Presentation
11:15 – 11:30	A Comparative Analysis of Human and Machine-Written Scientific Texts	Erika B. Varga and Attila Baksa
11:30 – 11:45	Key Variable Importance in Predicting At-Risk Students: Insights from South East European University	Burim Ismaili, Adrian Besimi
11:45– 12:00	A Fully Automated Pipeline for Sentence-Aligned ASR Dataset Construction in Low-Resource Languages Using Fuzzy Matching	Arbana Kadriu, Amarildo Rista
12:00– 12:15	Low Complexity Encoder Hardware for a Novel Family of Linear Block Codes	Peter Farkaš, Katarína Farkašová, Frederik Pavelka
12:15-12:30	Music Genre Classification using Main Algorithms	Valton Kamberaj, Ersan Hamdiu , Jusuf Qarkaxhija, Shkëlqim Miftari, Engin Melekoglu
12:30-12:45	Development of a Low-Cost Voice Announcement System Using Google Text-to-Speech, Raspberry Pi, Python, and SQLite	Laurik Helshani, Jusuf Qarkaxhija, Shkëlqim Miftari
12:45-13:00	Enhancing Software Testing with Generative AI: A Case Study on Test Data Generation	Olivér Hornyák
13:00-13:15	The Use of Artificial Intelligence in the Bank Card Industry	Jusuf Qarkaxhija, Ersan Hamdiu, Laurik Helshani, Shkëlqim Miftari
13:15-13:30	More concise representation of regular languages by constant memory automata	Dominik Le niewski
13:30-14:00	<i>Catering</i>	

Parallel Sessions II (Conference Hall)		Thursday, June 19, 2025
Moderator: Prof.Asoc. Robert Kosova @ PhD. Orgest Beqiri		
Time	Activity	Presentation
11:15 – 11:30	Implementation of ROC curves, bootstrap and logistic regression in cardiovascular research	Lorena Zeqo, Eljona Tasho
11:30 – 11:45	Optimized K-Means Clustering for Enhanced Regression Performance	László Kovács
11:45 – 12:00	Enhancing the Learning Experience Through Augmented Reality: Human Anatomy App Using AR	Elda Cina, Hanan Alomani, Rawan Almutaire, Bibi Albaghli
12:00– 12:15	The Impact of Environment and Sound Design in Virtual Reality Applications in Education: A Systematic Review Using PRISMA	Uendi Cerma, Manjola Zeneli, Frida Gjermeni
12:15-12:30	Personalized Learning in the Age of AI:Adaptive Strategies for Enhancing Student Engagement and Outcomes	Greta Ahma, Arbana Kadriu
12:30-12:45	Enhancing Cybersecurity Compliance in Remote Work: Strategies, Challenges, and Behavioural Insights	Merve Pacarizi Kabashi and Nida Santuri Fishekqiu, Elida Hadro
12:45-13:00	Cloud-Based AI Solutions for Personalized Learning: An Exploration of Algorithms, Scalability, and Challenges in Implementation	Elida Hadro, Jaumin Ajdari, Merve Paçarizi Kabashi, and Nida Santuri Fishekqiu
13:00-13:15	Economic, Social and Cultural Factors Affecting IT Outsourcing in North Macedonia	Merita Bakiji , Visar Shehu
13:15-13:30	Optimizing Survey Data: Reducing Factors with SPSS for More Effective and Accurate Analysis	Robert KOSOVA, Evgjeni XHAFAJ, Neime GJIKAJ, Anna Maria KOSOVA
13:30-14:00	<i>Catering</i>	

Parallel Sessions I		Friday, June 20, 2025
Conference Hall		
Time	Activity	Presentation
9:30 – 9:45	AI-Driven Dynamic Business Simulation for Bankruptcy Prediction and Risk Mitigation	Mehmet Zirek, Ozcan Asilkan
9:45– 10:00	Age Prediction based on 3D Structural MRI Images using Deep Neural Networks	Stela Lila
10:00-10:30	AI Invitations in Healthcare and Medicine:Emerging Trends and Multi-Agent Intelligence	Key Note Speaker Prof.Dr. Abdulhamit Subasi
10:30-11:00	Coffee Break	
11:00 – 11:15	Innovative Autonomous Vehicle Designs for Enhancing Mobility of Disabled Individuals	Bekir Karlik, Dylber Caushi
11:15 – 11:30	An Effective Architecture for e-Healthcare: A Fog-Based Approach Using iFogSim	Edmira Xhaferri, Luciana Toti, Amarildo Rista, Esmeralda Hoxha and Oltiana Toshkollari
11:30-11:45	Self-Adaptive Security Level Correction for Dynamic Access Control Using Fuzzy Time Series	Anita XHEMALI , Elma ZANAJ Gledis BASHA and Lorena BALLIU
11:45-12:00	Implementation of real-time anomaly detection algorithm for Big IoT sensor data for smart agriculture	Zirije Hasani, Fatlind Mazreku, Shukri Kryeziu,Rezart Kallaba, Taulant Hoxha
12:00-12:15	ECG-Based Heart Condition Classification: A Systematic Algorithmic Approach	Gledis Basha, Elma Zanaj, Lorena Balliu, Anita Xhemali
12:15-12:30	Fake News Detection Using Machine Learning and the Training of Models in Python	Blerina Çeliku and Rafail Prodani and Vasil Bardhi
12:30-12:45	Hybrid GA-Stacked Ensemble Model For Heart Disease Classification	Lorena Balliu, Elma Zanaj, Anita Xhemali and Gledis Basha
12:45-13:15	Catering	
13:15-13:30	Closing Ceremony	

Parallel Sessions 2**Friday, June 20, 2025****101 Hall****PhD. Frida Gjermen**

Time	Activity	Presentation
9:30 – 9:45	Classification of Fake News using Machine Learning techniques and spreading dynamics with Temporal Network on Twitter	Kristel Vula Bozhiqi and Viola Bakiasi Shtino
9:45– 10:00	Statistical Analysis of Polymer Injection Parameters and their Impact on Fluid and Oil Production Efficiency	Neime Gjikaj, Evgjeni Xhafaj, Robert Kosova
10:00 – 10:15	Analysing Behavioural Intentions in FinTech Adoption: A PLS-SEM Approach	Evgjeni XHAFAJ, Robert KOSOVA, Neime GJIKAJ
10:15– 10:30	Automata and Formal Language in Higher Education: A Comprehensive Review	Ermira Idrizi and Florije Ismaili
10:30-11:00	Coffee Break	
11:00 – 11:15	How to teach and evaluate students in computer science in the era of LLMs?	Raphaël Couturier , Joseph Azar, Shkëlqim Fortuzi, Amarildo Rista, Stéphane Domas, Frida Gjermen
11:15-11.30	Evaluation of free and local LLMs compared to commercial LLMs for the Albanian language	Raphaël Couturier, Joseph Azar , Amarildo Rista, Shkëlqim Fortuzi
11:30-11:45	A model for Albanian Fake News Detection Using Transformer-based Techniques	Elton Tata , Jaumin Ajdari, Nuhi Besimi
11:45-12:00	Teaching Linear Regression Effectively: A Practical Scikit-Learn Implementation Approach	Senada Bushati, Freda Dyrkaj, Fatjona Bushi
12:00-12:15	Changes in Online Shopping Behavior During Pandemics: A Linear Regression Approach	Luan Sinanaj
12:15-12:30	A Framework for AI-Assisted Software Development Life Cycle for Generative AI Applications	Stanislav Ustymenko and Abhishek Phadke
12:30-12:45	Evaluating SLA Performance in Xen Virtualized Environments	Ejona Duçi, Eda Tabaku, Rinela Kapçiu
12:45-13:15	Catering	
13:15-13:30	Close Ceremony	

Parallel Sessions III		Friday, June 20
211 Hall	Moderator: Elva Leka	
Time	Activity	Presentation
9:30 – 9:45	Automated Image Classification with CNNs and Python: A Review and Implementation	Elton Tata , Amarildo Rista, Hasan Voci
9:45 – 10:00	E-Mobility - First Step Towards the Future of a Smart City	Alma Stana, Alma Golgota, Luciana Toti
10:00 – 10:15	Presenting achievements of IoT-ECO Erasmus+, CBHE, Project	Manjola Zeneli
10:15 – 10:30	Products and Proceedings of IOT-ECO Project	Aleksander Biberaj
10:30-11:00	Coffee Break	
11:00-11:10	Open Address & Plenary	Elva Leka
11:10-11:20	Opening Remarks	Representer: Embassy of Sweden in Tirana (TBC)
11:20-11:40	An Introduction to Heritage Personalized Explorer (HPE)	Elva Leka Founder of HPE
12:00-12:30	Presentation of Heritage Personalized Explorer Application and Website	Klajdi Hamzallari
12:30-12:45	Market Analysis of Adopting AI in Tourism, Albania Case Study	Ermelinda Kordha
12:45-13:15	Catering	
13:15-13:30	Closing Ceremony	