



# INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

## AGENDA



<b>Thursday, June 19, 2025</b> <b>“ Aleksandër Moisiu“ University, Durrës</b> <b>Conference Hall, fourth floor, Currila</b>		
<b>Time</b>	<b>Activity</b>	
09:30 – 10:00	Participants Registration	
10:00-10:45	Opening Ceremony	
10:45-11:15	Coffee Break	

<b>Opening Ceremony</b> <b>Conference Hall</b>		
<b>INVITED SPEAKERS:</b>		
<b>Prof. Dr. Shkëlqim FOTUZI</b> Rector of “Aleksandër Moisiu” University, Durrës		
<b>Prof. Assoc. Anjeza PASKU</b> Dean of Faculty of Information Technology, “Aleksandër Moisiu” University, Durrës		
<b>Prof. Dr. Xhemal ZENUNI</b> Dean of Faculty of Contemporary Sciences and Technologies, South East European University, North Macedonia		
<b>Prof. Asoc. Jusuf QARKAXHIJA</b> Dean of the Faculty of Computer Science, AAB College, Kosovo		
<b>Prof. Dr. Fatmir HOXHA</b> Albanian Academy of Sciences		
<b>PhD. Amarildo Rista</b> Vice-Dean for Science and Research, Faculty of Information Technology, “Aleksandër Moisiu” University, Durrës General Chair of CSIT® 2025		
<b>Prof. Dr. Bekir KARLIK</b> 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	Catering	

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>	

<b>Parallel Sessions I</b> <b>Friday, June 20, 2025</b> <b>Conference Hall</b> <b>Moderator: Prof. Dr. Jaumin Ajdari</b>		
<b>Time</b>	<b>Activity</b>	<b>Presentation</b>
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 Zanj, 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 Zanj, Anita Xhemali and Gledis Basha
12:45-13:15	Catering	
13:15-13:30	Closing Ceremony	

<b>Parallel Sessions 2</b> <b>Friday, June 20, 2025</b> <b>101 Hall</b> <b>PhD. Frida Gjermeni</b>		
<b>Time</b>	<b>Activity</b>	<b>Presentation</b>
9:30 – 9:45	Classification of Fake News using Machine Learning techniques and spreading dynamics with Temporal Network on Twitter	Kristel Vula Bozhiki and Viola Bakiasi Shtino
9:45– 10:00	Statistical Analysis of Polymer Injection Parameters and their Impact on Fluid and Oil Production Efficiency	Neime Gjika, 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 Gjermeni
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				