



“Aleksandër Moisiu” University
Faculty of Information Technology
Faculty of Professional Studies

**INTERNATIONAL CONFERENCE ON NATURAL
SCIENCES, MATHEMATICS AND TECHNOLOGY**

ICNSMT-2023

AGENDA

DURRËS
May 26, 2023

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Friday, May 26, 2023 “ Aleksandër Moisiu“ University, Durrës Conference Hall, fourth floor, Currila	
Time	Activity
09:00 – 09:30	Participants Registration
09:30-10:30	Opening Ceremony
10.30-11.00	Coffee Break
14:00	Lunch

Opening Ceremony Conference Hall	
INVITED SPEAKERS:	
Prof. Dr. Kseanela SOTIROFSKI - Rector of “Aleksandër Moisiu” University, Durrës	
Prof. Assoc. Lindita MUKLI – Dean of Faculty of Information Technology, “Aleksandër Moisiu” University, Durrës	
Prof. Dr. Osman METALLA – Dean of Faculty of Professional Study, “Aleksandër Moisiu” University, Durrës	
Mr. Pirro VENUGU – Director of Durrës Port Authority	
Mr. Alban ISTERI – Chairman of the “Chamber of Commerce and Industry”, Durrës	
Prof. Peter P. GROUMPOS – University of Patras, Greece <i>“A Critical Review of Artificial Intelligence and Fuzzy Cognitive Maps: Issues, Challenges and Opportunities”</i>	
Prof. Antonio SCARELLI - University of Viterbo “La Tuscia”, Viterbo, Italy <i>“An application of MCDA procedures to the location of radioactive waste deposit according to Legislative Decree”</i>	

Parallel Sessions I (ONLINE SESSION)		
Conference Hall		
Moderator: Alma Stana, Frida Gjermeni		
Time	Activity	Presentation
11:00 – 11:15	<i>“From Euclid geometry to fractal geometry”</i>	Arben Baushi, Kaçe Baushi,
11:15– 11:30	<i>“Comparison of block bootstrap procedures in estimating the seasonal means in a real data time series”</i>	Lorena Margo Zeqo, Eljona Milo Tasho, Denisa Kafazi,
11:30 – 11:45	<i>“On Some Applications Of Derivatives And Differential Equations In Real Life”</i>	Pranvera Lleshanaku, Dhurata Valera, Nazime Mici,
11:45– 12:00	<i>“Performance analysis of metaheuristic algorithms using benchmark functions”</i>	Edjola Naka, Eris Zeqo, Alsa Kaziu,
12:00 – 12:15	<i>“Extraction of bioactive components from Helichrysum Arenarium”</i>	Drita Abazi Bajrami, Mirko Marinkovski, Kiril Lisichkov, Stefan Kuvendzhev.
12:15-12:30	<i>“Intrahospital infections</i>	Violeta Zanaj, Klementina Vogli
12:30-12:45	<i>“Designing and developing a software system for a client in the automotive industry”</i>	Faldi Lluri, Dalip Qorri, Ramadan Dollani
12:45-13:00	<i>“The impact of technology on education and its role in shaping the future of learning”</i>	Faldi Lluri, Dalip Qorri, Luiza Lluri
13:00-13:15	<i>“The percentange depth dose curves of 6 MV radiation beam”</i>	Idajet Selmani, Islam Selmani,
13:15-13:30	<i>“Network Monitoring Process at ISP using Nagios”</i>	Elton Tata, Frida Gjermeni
13:30-13.45	<i>“Tourism&Innovation By Drone Delivery Case Study: Durres, Albania”</i>	Alma Stana, Edison Plaku

Parallel Sessions II Hall 201 Moderator: Marsida Klemo, Eli Vyshka		
Time	Activity	Presentation
11:00 – 11:15	<i>“The air quality and some of the polluting components in Durrës, Albania”</i>	Anisa Liti, Merita Xhixha
11:15– 11:30	<i>“Establishment of an automatic radiation monitoring station in Durrës”</i>	Entelë Gavoçi, Marsida Klemo
11:30 – 11:45	<i>“A Study Of The Dynamics Inside The Exoplanetary System Kepler-22”</i>	Azem HYSA, Mimoza Hafizi
11:45– 12:00	<i>“The environmental impact of ship transport and the measures being taken to mitigate it”</i>	Luiza Lluri, Alma Golgota, Rezarta Cara
12:00 – 12:15	<i>“The use of photovoltaic technology in Albania, a good opportunity to face the energy crisis”</i>	Luiza Lluri, Blerta Gërmenji, Eli Vyshka
12:15-12.30	<i>“Technological materials for increasing energy efficiency in buildings”</i>	Rezarta Cara, Luiza Lluri, Elma Kodra,
12:30-12:45	<i>“Improving the quality of urban air in Durrës to promote the development of tourism”</i>	Elma Kodra, Rezarta Cara, Drita Hima,
12:45-13:00	<i>“Antibiotic use in pregnancy and lactation”</i>	Tiziana Ceka
13:00-13:15	<i>“The Impact Of α-Amylase On Dough Rheology Of Some Wheat Cultivars”</i>	Majlinda Sana, Abdyl Sinani
13:15-13:30	<i>“Monitoring of urban greening in Durres city”</i>	Marsida Klemo, Osman Metalla, Azem Hysa, Elvis Cela, Abdulla Diku, Migena Naku.
13:30-13:45	<i>“Indoor Randon Concentration in the District of Durres (Albania)”</i>	Merita Xhixha, Anisa Liti, Kozeta Tushe

Parallel Sessions III
Hall 202
Moderator: Alma Golgota, Iris Dhamo

Time	Activity	Presentation
11:00 – 11:15	<i>“Understanding the Importance of Cybersecurity at Albanian Ports: Risk Assessment and Threat Mitigation”</i>	Osman Metalla, Alma Golgota, Shpetim Pupa, Uendi Çerma, Eduart Ndokaj, Artion Beqiraj, Pranvera Beqiraj, Elson Thana
11:15– 11:30	<i>“Cyber security in the maritime transport”</i>	Osman Metalla, Alma Golgota , Shpëtim Pupa, Eduart Ndokaj, Pranvera Beqiraj, Elson Thana, Artion Beqiraj, Uendi Çerma
11:30 – 11:45	<i>“The Impact of Artificial Intelligence on the Transformation of Our World”</i>	Evelina Lusha
11:45– 12:00	<i>“Marine protection through Marine Strategy and EU Water Framework Directive implementation in Albania.s”</i>	Erjola Keci, Osman Metalla,
12:00 – 12:15	<i>“Implementation Of The Mlc Convention In Albania And Its Role In Seafarer’s Standards. ”</i>	Osman Metalla, Eduart Ndokaj, U La Gatta, Alma Golgota, Shpetim Pupa
12:15-12.30	<i>“Assessment of the geoheritage of Prespa National Park in Albania for the development of geotourism.”</i>	Ermiona Braholli, Ermira Jashiku, Edlira Menkshi
12:30-12:45	<i>“Community Perception towards social-economic development of Devoll Municipality”</i>	Ermira Jashiku, Edlira Menkshi, Ermiona Braholli
12:45-13:00	<i>“The Efficiency Of Electrical Mobility Use”</i>	Alma Golgota, Alma Stana, Erion Mali, Eduart Ndokaj, Flora Merko
13:00-13:15	<i>“A Novel of the Applications of Photovoltaic Systems in Albania”</i>	Manjola Zeneli
13:15-13:30	<i>“Analysis of the 7.47kWp photovoltaic system, installed on the terrace of the G1-building, UAMD Campus.”</i>	Erion Mali, Stela Sefa, Alma Golgota, Eli Vyshka, Blerta Germenji
13:30-13.45	<i>“A Proposed Approach University App in the Domain of Education”</i>	Rinela Kapciu, Luciana Toti

Parallel Sessions IV Hall 101 Moderator: Elva Leka, Evgjëni Xhafa		
Time	Activity	Presentation
11:00 – 11:15	<i>“The kinematic slopes stability analysis along the segment Pus Mezinë-Kanine”</i>	Arjol Lule, Dhurata Ndreko
11:15– 11:30	<i>“Some hydrochemical data of groundwater in the Përmet-Delvinë region”</i>	Dhurata Ndreko, Arjol Lule
11:30 – 11:45	<i>“Revolutionizing the Stadium Experience: The Importance of Multimedia Systems in Enhancing Albanian Stadiums according to UEFA criteria”</i>	Uendi Çërma
11:45– 12:00	<i>“Analysis of the integration of polymer injection for oil production in the Patos Marinëz field. An approach with regression analysis”</i>	Drilona Sauli, Evgjëni Xhafaj
12:00 – 12:15	<i>“Factor Analysis and Cluster Analysis approaches for Web-based Learning System.”</i>	Evgjëni Xhafaj, Daniela Halidini Qendraj, Robert Kosova, Neime Gjickaj
12:15-12.30	<i>“Comparison of soils classification from laboratory testing and CPTU data in Quaternary deposits of Pre-Adriatic Depression”</i>	Majlinda Mecaj
12:30-12:45	<i>“Bayes algorithm for portfolio optimization with biased data from the Albanian forex market.”</i>	Luis Lamani
12:45-13:00	<i>“Challenges and Applications of Fog-Health Systems”</i>	Edmira Xhaferra, Luciana Toti, Luan Sinanaj, Viola Shtino, Oltiana Toshkollari
13:00-13:15	<i>“Optimization of energy generated by the photovoltaic system at the University of Durrës”</i>	Luçiana Toti, Lindita Mukli, Alsa Kaziu, Niko Terezi, Eno Toti
13:15-13:30	<i>“Evaluation of Student Performance Using Data Visualization Tools”</i>	Amarildo Rista, Fatmira Prodani
13:30-13:45	<i>“Implementation of a Blockchain System for Car Theft Detection”</i>	Elva Leka, Klajdi Hamzallari

Parallel Sessions V
Hall 111
Moderator: Neime Gjika, Dhurata Valera

Time	Activity	Presentation
11:00 – 11:15	<i>“2-Normed Strictly Convex and 2-Strictly Convex”</i>	Brunilda Shpata
11:15– 11:30	<i>“Applications to the Henstock-Kurzweil integral”</i>	Doris Doda
11:30 – 11:45	<i>“Art of problem solving in mathematics.”</i>	TeutaThanasi (Biti), Dhurata Biçaku,
11:45-12:00	<i>“Some Propositions About Semigroups”</i>	Osman Hysa, Arben Reka,
12:00 – 12:15	<i>“New Paths Opened by in Pseudo-Analysis And Other Fields Through Several Applications”</i>	Dhurata Valera, Bederiana Shyti, Vinoth Raman
12:15-12.30	<i>“Homomorphisms in weakly Γ-rings”</i>	Orgest Beqiri
12:30-12:45	<i>“A Semigroup-based Approach to Machine Learning”</i>	TapanKumar Behera, Debabrata Samanta, Mimoza Polloshka
12:45-13:00	<i>“Linear regression analysis in R”</i>	Ilir Palla
13:00-13:15	<i>“Study of bifurcations and stability of a dynamic linear system depending on parameters”</i>	Valentina Shehu, Blerta Dervishi
13:15-13:30	<i>“Fuzzy Semigroups via Semigroups”</i>	Anjeza Krakulli, Elton Pasku
13:30-13:45	<i>“Remittances to Albania during the post covid period”</i>	Teuta Thanasi (Biti)

Parallel Sessions VI Hall 211 Moderator: Fabiana Cullhaj, Ranela Kapciu		
Time	Activity	Presentation
11:00 – 11:15	<i>“A review of several famous math conjectures using Python language.”</i>	Robert Kosova, Fabiana Cullhaj, Ranela Kapciu, Anna Maria Kosova,
11:15– 11:30	<i>“MCDA application to evaluate urban resilience: Building frameworks and criteria on available data.”</i>	Robert Kosova, Daniela Qendraj, Evgjëni Xhafaj, Irakli Priti.
11:30 – 11:45	<i>“Fuzzy Z-AHP decision support approach to detect the factors that impact the online learning.”</i>	Daniela Halidini Qendraj, Evgjëni Xhafaj, Robert Kosova, Neime Gjika
11:45-12:00	<i>“A review on Particle Swarm Optimization and Bayesian Optimization”</i>	Blerina Boçi, Aurora Simoni
12:00 – 12:15	<i>“Study of the Stability and Asymptotic Behavior of a Nonlinear Dynamic System Having a Hopf Bifurcation”</i>	Dorina Guxholli, Valentina Shehu, Blerta Dervishi
12:15-12.30	<i>“Smart Contract Framework for Financial Data Management: The Blockchain technology</i>	Anxhela Gjecka, Fatjona Bushi
12:30-12:45	<i>Text Editor App”</i>	Orlando Syla
12:45-13:00	<i>“RT ALBANIA – Rural Tourism Albania”</i>	Danjel Kalari
13:00-13:15	<i>“Technological Tools, Policies and Challenges of Education After the Pandemic”</i>	Senada Bushati (Hoxha)
13:15-13:30	<i>“B-Spline Curves and their Applications for Hand Recognition and Handwritten Signature Recognition”</i>	Ranela Kapciu, Migert Xhaja
13:30-13:45	<i>“The Connection Between Production and Price of Electricity in Albania”</i>	Oltiana Bame (Toshkollari), Viola Shtino, Kristel Bozhiki