AICCONF2025

3rd Cognitive Models and Artificial Intelligence Conference

Information

Committees
Panel Sessions
Accepted Papers

Invited Speakers
Congress Statistics
Technical Program

June 13-14, 2025, Prague-Czech Republic

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- Ljiljana Trajkovic, Simon Fraser University, Canada
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- Murat Karakoyun, Necmettin Erbakan University, Turkiye
- Mustafa Şinasi Ayas, Karadeniz Technical University, Turkiye
- Nadiia Kazakova, Odessa State Environmental University, Ukraine
- Ömer Türk, Mardin Artuklu University, Turkiye
- Ömür Şahin, Erciyes University, Turkiye
- Oleg Barabash, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine
- Rodrigo Pérez Fernández, Technical University of Madrid, Spain
- Selami Parmaksızoğlu, Antalya Bilim University, Turkiye
- Selen Ayas, Karadeniz Technical University, Turkiye
- Sercan Demirci, Ondokuz Mayıs University, Turkiye
- Sinem Akyol, Fırat University, Turkiye
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- Yasin Kaya, Adana Alparslan Türkeş Science and Technology University, Turkiye
- Taner Çokyaşar, Tarsus University, Turkiye
- Tolga Ensari, Arkansas Tech University, USA
- Tzung-Pei Hong, National University of Kaohsiung, Taiwan

Invited Speaker

Prof. Dr. Vedat Cosgun
Istanbul Atlas University, Turkiye

Title: "AI and the Future of Computing Professions: Adapt, Evolve, Lead"
Short-Bio:
Prof. Vedat Coskun is a Computer Scientist, Computer Engineer, Academician, Researcher, Author, and Consultant. He is the founder and manager of www.NFCLab.org, the leading research lab on Near Field Communication (NFC), Smartphones, Smartcards, SIM Cards, Credit Cards, Payment Cards, and Prepaid Cards technologies worldwide.

He believes in the globalization of science, technology, and education. He has taught at many universities, such as the University of Thessaly (Greece), Malardalen University (Sweden), Inholland University (Netherlands), Lublin University of Technology (Poland), and the University of Dubrovnik (Croatia).

He specializes in Computer and Network Security, Cyber Security, Cryptography, Blockchain Technologies, Mobile Technologies, Interoperability of Services, and User Interface Design. He acts as both an advisor and evaluator in nationally and internationally funded research-based projects. He has a vast number of international publications, including books, patents, journal papers, and conference presentations. He co-authored Near Field Communication: From Theory to Practice (Wiley, 2012) and Professional NFC Application Development for Android (Wrox, 2013). He also co-authored The Survey on Near Field Communication journal paper. He believes in the importance of combining academic knowledge and education with R&D and industrial projects to provide higher national and international outcomes.

Panel Session

"Avionics & Artificial Intelligence"

Panelists

Yahya Ekici
Medicana Health Point, Turkiye

Ali Berkol
ASELSAN – BITES, Turkiye

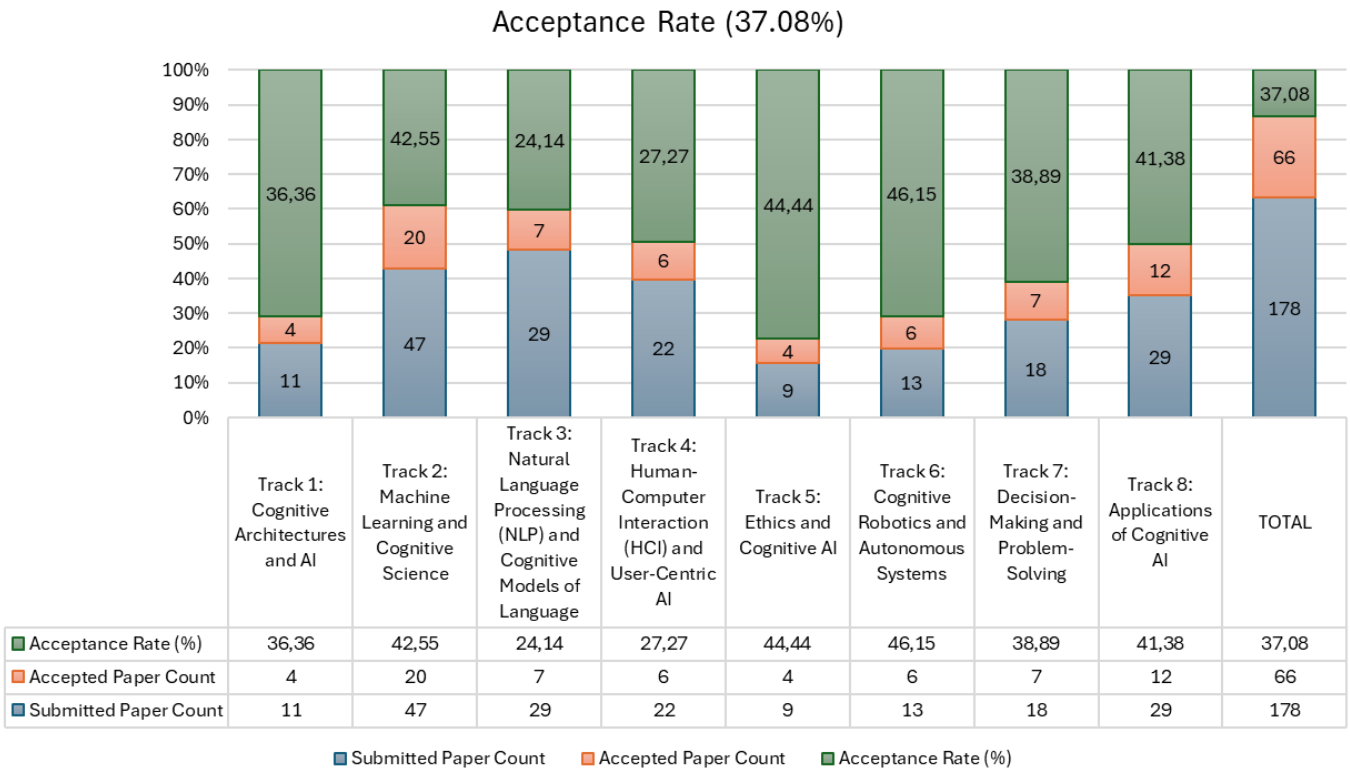
Melike Colak
ASELSAN – BITES, Turkiye

N. Pervan Akman
ASELSAN – BITES, Turkiye

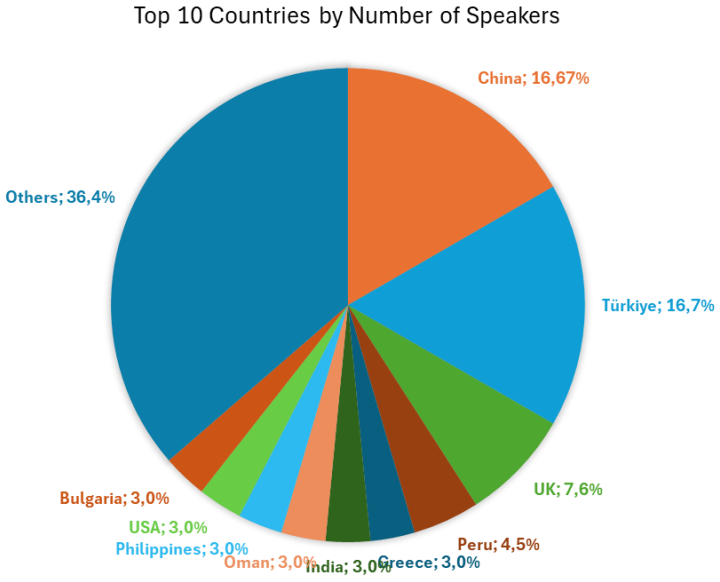
Moderator

Koksal Erenturk
Atatürk University, Turkiye

AICCONF2025 Statistics



	Track 1: Cognitive Architectures and AI	Track 2: Machine Learning and Cognitive Science	Track 3: Natural Language Processing (NLP) and Cognitive Models of Language	Track 4: Human-Computer Interaction (HCI) and User-Centric AI	Track 5: Ethics and Cognitive AI	Track 6: Cognitive Robotics and Autonomous Systems	Track 7: Decision-Making and Problem-Solving	Track 8: Applications of Cognitive AI	TOTAL
Acceptance Rate (%)	36,36	42,55	24,14	27,27	44,44	46,15	38,89	41,38	37,08
Accepted Paper Count	4	20	7	6	4	6	7	12	66
Submitted Paper Count	11	47	29	22	9	13	18	29	178



Country	China	Türkiye	UK	Peru	Greece	India	Oman	Philippines	USA	Bulgaria	Others
S. Count	11	11	5	3	2	2	2	2	2	2	24
Rate (%)	16,67%	16,67%	7,58%	4,55%	3,03%	3,03%	3,03%	3,03%	3,03%	3,03%	36,36%
Bulgaria, China, Costa Rica, Cyprus, Czech Republic, Denmark, Egypt, Finland, Germany, Greece, India, Ireland, Italy, Japan, Latvia, Malta, North Macedonia, Norway, Oman, Peru, Philippines, Romania, Saudi Arabia, South Korea, Spain, Türkiye, Ukraine, UAE, UK, USA, Zimbabwe											

Accepted Papers

ID	Title	Author(s)	Speaker
11	Personalized Stress Relief System Using Emotion Recognition and Machine Learning	Ahmed Khalifa, Korhan Cengiz, Mohammed Mustafa	Ahmed Khalifa
12	Keyphrase Trees: Enhancing LLM Prompts with Hierarchical Topic Extraction	Amr Hegazy, Mohamed Abdelkarim, Reem ElAdawi	Mohamed Abdelkarim
14	A Fused Modality Human Action Recognition System Based on Motion Saliency in RGBD Videos	Alexander Gutev, Carl James Debono	Alexander Gutev
36	Bridging the Gap Between Educators and Game-Based Learning: A Study of an AI-Assisted Course Creation Tool for Minecraft Education	Konstantinos Roumpas, Michalis Xenos	Konstantinos Roumpas
43	AI Meets Data Science: Preprocessing and Feature Selection Reimagined	Otmane Azeroual	Otmane Azeroual
44	Improving Math Problem Solving in Large Language Models Through Categorization and Strategy Tailoring	Amogh Akella	Amogh Akella
45	Exploring Adaptive and Disruptive Changes in Brain Connectivity Under Stress	Muhammad Asad Zaheer, Aamir Saeed Malik	Muhammad Asad Zaheer
52	Enhanced Stress Prediction among nurses in their work environment using Clustered Chameleon Swarm Algorithm	Mamta Nag, Vijaya J, Mallikharjuna Rao K	Mamta Nag
59	Active Logic-Based Behavior Modification in Physical Robots	Anthony Herron, Kenneth MBALE, Andre Herron II, Oluwabukunmi Jaiyeola, Matthew Akinmolayan, Darsana Josyula	Anthony Herron
61	Fault Diagnosis of Wind Turbine Gearbox using CNN-AI	Maamar Ali Saud Al Tobi, Ramesh Kumar Ganjam Ramaswamy, Rene Sinogaya Pacturan, Ramachandran K. P, Varghesh Manappallil Joy	Ramesh Kumar Ganjam Ramaswamy
62	Federated Learning-Based Intrusion Detection Systems for 6G IoT: Performance and Challenges	Sümeye Nur Karahan, Osman Kaya	Sümeye Nur Karahan
65	Advancing Idea Management Systems with Topic Modeling: Radical Innovation Patterns in Student-Driven Industry Cases	Serena Leka, Aman Shah	Serena Leka
68	Ethics in the Age of Artificial Intelligence	Zeynep Örpek, Büşra Tural, Zeynep Destan	Zeynep Destan
69	Enhancing Chinese Historical Text Period Classification with Subgraph-wise Sampling	Lawrence Yung Hak Low, Yen-Tsang Wu, Jenq-Haur Wang	Lawrence Yung Hak Low
70	Automatic Chaos Control of the Two-Dimensional Burger Map Through Genetic Algorithms	Akemi Galvez, Sara Perez-Carabaza, Andres Iglesias	Andres Iglesias
71	The Evolution of Wireless Communication with the THz Spectrum: New Horizons in 6G	Sümeye Nur Karahan, Amine Gonca Toprak, Öykü Berfin Mercan, Yasin Emre Tok	Yasin Emre Tok
72	FedFZY: A Novel Aggregation Method for Federated Learning	Köksal Erentürk	Köksal Erentürk
73	The Menace of Artificial Intelligence – A Critical Analysis	Tariq Jamil, Umnia Tariq	Tariq Jamil
74	AI-Powered Virtual Mental Health Assistant for Early-Stage NLP-Based Mental Health Screening	Desmond Yong Kiat LOY, Peter ChunYu YAU, Dennis WONG	Desmond Yong Kiat LOY

ID	Title	Author(s)	Speaker
87	SPARK-HUNT: A Distributed Framework for Real-Time Threat Detection Using Ensemble Learning on Network Traffic Data	Ishaan Gupta, Paramjot Singh, Chehak Manocha, Aditya Kukkar, Anuradha Devi	Ishaan Gupta
88	Automated Pollen Recognition in Optical and Holographic Microscopy Images	Swarn Singh Warshaneyan, Maksims Ivanovs, Blaž Cugmas, Inese Bērziņa, Laura Goldberga, Mindaugas Tamosiunas, Roberts Kadiķis	Swarn Singh Warshaneyan
105	A Hybrid Deep Learning-Based Approach in Agricultural Sustainability: Apple Orchard Study	Amin Mavaddat, Fabio Andrade, Karl Thomas Hjelmervik, Erik Johannessen, Christian Hovden	Fabio Andrade
106	AI-Driven Mortality Prediction in COVID-19 Patients Using Advanced Feature Selection	Indika Rajakaruna, Mohammad Hossein Amirhosseini, Yang Li, Amin Karami, Deepa Jayakody Arachchillage	Mohammad Hossein Amirhosseini
107	Evaluation of a Social Media Summarization System: A Multidomensional Approach	Afrodite Papagiannopoulou, Chrissanthi Angeli	Afrodite Papagiannopoulou
109	Harnessing Social Media Sentiment for Predictive Insights into the Nigerian Presidential Election	Jelili Olalekan Alao, Mohammad Hossein Amirhosseini, Amin Karami, Seyed Ali Ghorashi	Mohammad Hossein Amirhosseini
110	Comparing human and AI aesthetic-value judgments in landscape photographs	Yuri Sato, Haruka Matsuda, Yuka Tosaka	Yuri Sato
111	WASPO: Workload-Aware Spark Performance Optimization Using NSGA-II	Amin Karami, Mohammad Hossein Amirhosseini	Amin Karami
112	Advancing Personality Type Prediction: Utilizing Enhanced Machine and Deep Learning Models with the Myers-Briggs Type Indicator	Mohammad Hossein Amirhosseini, Amin Karami, Fatima Kalabi	Mohammad Hossein Amirhosseini
130	Cloud-Based AI Surveillance for Motion Detection and Facial Recognition	Emilija Velinova, Valentin Cvetanoski, Kliment Chakarovski, Daniela Mechkaroska, Ervin Domazet	Emilija Velinova
131	Context-Aware AI for Real-Time Content and Quiz Recommendations in Student Learning Environments	Agon Memeti, Ibrahim Neziri, Neshat Ajruli, Krenar Huseini, Asri Nuhi, Aqim Iljazi	Agon Memeti
133	How Do 13–16-Year-Olds Understand AI? A Topic Modeling Study of Swedish Students Perceptions	Mirka Saarela, Ahmed Taiye Mohammed, Johanna Velander , Rafael Zerega	Mirka Saarela
141	Algorithmic Folk Theories and Their Influence on Decision-Making in Data-Driven Monitoring and Evaluation Systems	Tinashe Malvern Madamombe, Justice Kasiroori, Strinivasan Soondrasan Pillay, Takunda John Chirau	Tinashe Malvern Madamombe
142	A Cognitive AI Model Using Deep & Cross Network for Personalized Gamified Recommendations to Promote Healthy Eating Decisions Among University Students	Richar Varoni Romero Cacha, Lino Abraham Quenta Leon, Navarrete V. Elio	Richar Varoni Romero Cacha
143	Development of Card Fraud Detection Model with Intelligent Agent Technology and Use of Model Results in Prevention Processes	Ercan Oztemel, Muhammed Isik	Muhammed Isik
144	Intelligent Routing Strategies in UAV Swarm Operations	Serap Kilinc, Meltem Yildirim Imamoglu	Serap Kilinc
147	A Combination of Steganography Methods to Increase the Degree of Information Concealment	Oleksandr Sitchenko, Stanislav Milevskyi, Serhii Pohasii, Vasyl Kotsiuba, Alla Krepko, Stadnik Vladimir	Stanislav Milevskyi

ID	Title	Author(s)	Speaker
150	SEEN: A Convolutional Spiking Neural Network for Efficient Pupil Coordinate Prediction from Event Data	Luigi Gabriel Troconis, Francesco Vella, Alessandro Freddi, Andrea Monteriù	Luigi Gabriel Troconis
151	Sunn-Pest-Damaged and Healthy Wheat Grains Dataset Across Different Cultivars	Nergis Pervan Akman, Melike Çolak, Özgü Özkan, Talya Tümer Sivri, Murat Olgun, Ali Berkol, Zekiye Budak Başçiftçi, Gözde Ayter Arpacıoğlu, Murat Ardıç, Okan Sezer	Özgü Özkan
153	A Comparison of Different ML Approaches for IoT Predictive Maintenance	Fayez Alharbi	Fayez Alharbi
154	Integrating Cognitive Models into Network-on-Chip Architectures for Resilient and Adaptive Autonomous Systems	Elena Kakoulli	Elena Kakoulli
169	AR-Based Hybrid Human-AI Decision Support System for Maritime Navigation	Tunç Taner, Zeki Savaş Cengiz, Hasan Tolga Ünal, Arif Furkan Mendi, Mehmet Akif Nacar	Tunç Taner
170	Assessing the Capabilities of Large Language Models to Comprehend Analog Integrated Circuits via Netlist Analysis	Andrei Dăescu, Alexandru Guzu, Georgian Nicolae, Claudius Dan	Andrei Dăescu
171	Evaluating Specialized CNN Architectures for Hip Implant Loosening Detection on Radiographic Images	Emre Gogus, Atınç Yılmaz	Emre Gogus
172	Distillation-Enhanced Medical Diagnosis And Clinic Referral With Fine-Tuned Gemma-3-12b	İsmail İşeri, Barış Yeniçeri, Ceren Tarar	İsmail İşeri
173	Impact of Image Compression on Banana Trunk Detection with YOLOv5 for Mobile Robot Deployment in Banana Plantations	Carlo Jonas Cariño, Emmanuel Balintec	Carlo Jonas Cariño
174	Robot for Optimized and Autonomous Mission-Enhancement Responses - ROAMER	Albert Paolo Bugayong, Carlo Jonas Cariño, Randel Capati, Jose Enrique Lopez, Wilter Japet Macalino, Mitz Tienes, Juan Carlos Bernardo, Emmanuel Balintec, Peter Antonio Banzon	Emmanuel Balintec
177	Detection and Disinfestation of Diseased Plants with YOLO Based ANFIS Controlled Unmanned Ground Vehicle	Serhat Yılmaz, Dilara Polat, Esma Beyza Akboynuz, Emir Alp Gedikli, Zeynep Yılmaz	Zeynep Yılmaz
179	Review and Comparison of Facial Emotion Recognition Services and APIs	Manuel Amir Freer Valdez, Ioana Ghergulescu, Arghir-Nicolae Moldovan	Manuel Amir Freer Valdez
181	Hybrid Deep Learning Approach of a 6-Axis Force-Torque Sensor Calibration for a Wheeled Humanoid Robot	Helber Meneses Navarro, Fanny Solís González, Sebastián Rojas Gutiérrez, Caleb Arias Fallas, Cristopher Montero Campos, Federico Ruíz Ugalde	Sebastián Rojas Gutiérrez
183	Eat4U: Calorie Management Based on Predictive Machine Learning Models and Instance Segmentation for University Students in Metropolitan Lima	Sebastian Ramirez, Jerry Quispe, Elio Navarrete	Sebastian Ramirez
184	Mobile Application for Managing Anxiety using Machine Learning Model	Ahuanari M. Maria Alexandra, Gomez D. Cristhian Gabriel, Navarrete V. Elio	Gomez D. Cristhian Gabriel
185	Dorsal Hand Vein Biometric Systems: A Survey on Methods, Applications, and Future Directions	Seda Karkacıer, Turgut Ozseven	Seda Karkacıer
186	Technical principles and accuracy evaluation of UAV remote sensing technology and deep learning algorithms in land survey and detection	Fengjiao Guo	Fengjiao Guo

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190	Governance Dynamics in Platform Organizations: The Influence of Information Communication Technology on Decision-making Processes in the Education Sector in China	Chen Rui, Rongjie Zhang	Chen Rui
192	Innovative Application and Implementation Path of IoT Technology in Smart Furniture Integrating Chinese Traditional Auspicious Patterns	Ruiyi Dong, Siti Salmi Binti Jamali	Ruiyi Dong
193	Design and implementation of energy efficiency audit, carbon footprint tracking and sustainable development path planning system for green economy enterprises based on blockchain technology	Xinyi Zhang	Xinyi Zhang
196	Design of Real-Time Embedded System Based on STM32 and Free RTOS with Optimization of Advanced Task Scheduling Algorithm	Yuanyuan Zhang, Junnan Li	Yuanyuan Zhang
197	In-Depth Research on Dynamic Assessment of ESG Benefits and Intelligent Optimization Strategies Based on Iot and Big Data Analytics Technology for Green Transformation in Manufacturing	Linyuan Zhang, Suijiang Lei	Linyuan Zhang
198	Construction and Empirical Research of Personalized Design System for Smart Home Furniture Based on Deep Learning Neural Network and Kansei Engineering Principles	Yixin Hong, Jiaqing Jin	Yixin Hong
202	Copyright Protection And Traceability Of Intangible Cultural Heritage Digital Aesthetic Education Resources Based On Blockchain Technology	Chenxian Yao	Chenxian Yao
203	Design and Implementation of Supply Chain Collaborative Risk Early Warning System Based on Machine Learning and Data Mining Technology: A Case Study of China's Manufacturing Supply Chain	Huiyu Yang	Huiyu Yang
204	College English reading comprehension graded test and CLIL teaching strategy Customization driven by the integration of SVM and deep learning	Tianjiao Han	Tianjiao Han
205	Evaluation of the effectiveness of English vocabulary review strategies based on forgetting curves in computer-assisted language learning (CALL) software	Ying Zhang	Ying Zhang
206	Research on the synergistic mechanism of improving the transparency of listed company governance and reducing equity costs based on blockchain technology	Gong Jian, Azam Abdelhakeem Khalid, Azlan Bin Ali, Yousif Abdelbagi Abdalla	Gong Jian
207	Construction and optimization of intelligent management system for sports venues	Xianghong Meng, Jing Zhu, Lezhong Sun	Xianghong Meng
208	Machine Learning Approaches in Cervical Cancer Research: A Comprehensive Literature Review	Murathan Yüksel, Turgut Özseven	Murathan Yüksel

Technical Program

June 13, 2025	
Time (GMT+2)	**Session**
08:30 am - 10:30 am	Session 1 (ROOM1)
11:00 am - 12:00 pm	INVITED SPEAKERS
12:30 pm - 3:00 pm	Session 2 (ROOM1)
12:30 pm - 3:00 pm	Session 3 (ROOM2)

Time (GMT+2)	**Session**
08:00 am - 10:00 am	Session 4 (ROOM1)
08:00 am - 10:00 am	Session 5 (ROOM2)
10:00 am - 11:30 am	PANEL SESSION (ROOM2)
12:30 pm - 2:30 pm	Session 6 (ROOM1)
12:30 pm - 2:30 pm	Session 7 (ROOM2)
4:30 pm - 6:30 pm	Session 8 (ROOM2)

Session 1 (ROOM1) Chair: Ebubekir Yasar	Date: June 13, 2025 Time (GMT+2): 08:30 am - 10:30 am
Paper	Author (s)
106 - AI-Driven Mortality Prediction in COVID-19 Patients Using Advanced Feature Selection	Indika Rajakaruna, **Mohammad Hossein Amirhosseini**, Yang Li, Amin Karami, Deepa Jayakody Arachchillage
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61 - Fault Diagnosis of Wind Turbine Gearbox using CNN-AI	Maamar Ali Saud Al Tobi, **Ramesh Kumar Ganjam Ramaswamy**, Rene Sinogaya Pacturan, Ramachandran K. P, Varghesh Manappallil Joy
69 - Enhancing Chinese Historical Text Period Classification with Subgraph-wise Sampling	**Lawrence Yung Hak Low**, Yen-Tsang Wu, Jenq-Haur Wang
173 - Impact of Image Compression on Banana Trunk Detection with YOLOv5 for Mobile Robot Deployment in Banana Plantations	**Carlo Jonas Cariño**, Emmanuel Balintec
174 - Robot for Optimized and Autonomous Mission-Enhancement Responses - ROAMER	Albert Paolo Bugayong, Carlo Jonas Cariño, Randel Capati, Jose Enrique Lopez, Wilter Japet Macalino, Mitz Tienes, Juan Carlos Bernardo, **Emmanuel Balintec**, Peter Antonio Banzon
110 - Comparing human and AI aesthetic-value judgments in landscape photographs	**Yuri Sato,** Haruka Matsuda, Yuka Tosaka
87 - SPARK-HUNT: A Distributed Framework for Real-Time Threat Detection Using Ensemble Learning on Network Traffic Data	**Ishaan Gupta**, Paramjot Singh, Chehak Manocha, Aditya Kukkar, Anuradha Devi

INVITED SPEAKERS (ROOM2)

Time (GMT+2): 11:00 am - 12:00 pm

Prof. Dr. Vedat Coskun

"AI and the Future of Computing Professions: Adapt, Evolve, Lead"

Session 2 (ROOM1) Chair: Ebubekir Yasar	Date: June 13, 2025 Time (GMT+2): 12:30 pm - 3:00 pm
Paper	Author (s)
112 - Advancing Personality Type Prediction: Utilizing Enhanced Machine and Deep Learning Models with the Myers-Briggs Type Indicator	**Mohammad Hossein Amirhosseini**, Amin Karami, Fatima Kalabi
68 - Ethics in the Age of Artificial Intelligence	Zeynep Örpek, Büşra Tural, **Zeynep Destan**
70 - Automatic Chaos Control of the Two-Dimensional Burger Map Through Genetic Algorithms	Akemi Galvez, Sara Perez-Carabaza, **Andres Iglesias**
74 - AI-Powered Virtual Mental Health Assistant for Early-Stage NLP-Based Mental Health Screening	**Desmond Yong Kiat LOY**, Peter ChunYu YAU, Dennis WONG
105 - A Hybrid Deep Learning-Based Approach in Agricultural Sustainability: Apple Orchard Study	Amin Mavaddat, **Fabio Andrade**, Karl Thomas Hjelmervik, Erik Johannessen, Christian Hovden
111 - WASPO: Workload-Aware Spark Performance Optimization Using NSGA-II	**Amin Karami**, Mohammad Hossein Amirhosseini
130 - Cloud-Based AI Surveillance for Motion Detection and Facial Recognition	**Emilija Velinova**, Valentin Cvetanoski, Kliment Chakarovski, Daniela Mechkaroska, Ervin Domazet
186 - Technical principles and accuracy evaluation of UAV remote sensing technology and deep learning algorithms in land survey and detection	**Fengjiao Guo**
190 - Governance Dynamics in Platform Organizations: The Influence of Information Communication Technology on Decision-making Processes in the Education Sector in China	**Chen Rui**, Rongjie Zhang
59 - Active Logic-Based Behavior Modification in Physical Robots	**Anthony Herron**, Kenneth MBALE, Andre Herron II, Oluwabukunmi Jaiyeola, Matthew Akinmolayan, Darsana Josyula

Session 3 (ROOM2) Chair: Koksal Erenturk	Date: June 13, 2025 Time (GMT+2): 12:30 pm - 3:00 pm
Paper	Author (s)
179 - Review and Comparison of Facial Emotion Recognition Services and APIs	Manuel Amir Freer Valdez, Ioana Ghergulescu, **Arghir-Nicolae Moldovan**
172 - Distillation-Enhanced Medical Diagnosis And Clinic Referral With Fine-Tuned Gemma-3-12b	**İsmail İşeri**, Barış Yeniçeri, Ceren Tarar
150 - SEEN: A Convolutional Spiking Neural Network for Efficient Pupil Coordinate Prediction from Event Data	**Luigi Gabriel Troconis**, Francesco Vella, Alessandro Freddi, Andrea Monteriù
151 - Sunn-Pest-Damaged and Healthy Wheat Grains Dataset Across Different Cultivars	Nergis Pervan Akman, Melike Çolak, **Özgü Özkan**, Talya Tümer Sivri, Murat Olgun, Ali Berkol, Zekiye Budak Başçiftçi, Gözde Ayter Arpacıoğlu, Murat Ardıç, Okan Sezer
197 - In-Depth Research on Dynamic Assessment of ESG Benefits and Intelligent Optimization Strategies Based on Iot and Big Data Analytics Technology for Green Transformation in Manufacturing	**Linyuan Zhang**, Suijiang Lei
153 - A Comparison of Different ML Approaches for IoT Predictive Maintenance	**Fayez Alharbi**
107 - Evaluation of a Social Media Summarization System: A Multidomensional Approach	**Afrodite Papagiannopoulou**, Chrissanthi Angeli
154 - Integrating Cognitive Models into Network-on-Chip Architectures for Resilient and Adaptive Autonomous Systems	**Elena Kakoulli**
169 - AR-Based Hybrid Human-AI Decision Support System for Maritime Navigation	**Tunç Taner**, Zeki Savaş Cengiz, Hasan Tolga Ünal, Arif Furkan Mendi, Mehmet Akif Nacar
141 - Algorithmic Folk Theories and Their Influence on Decision-Making in Data-Driven Monitoring and Evaluation Systems	**Tinashe Malvern Madamombe**, Justice Kasiroori, Strinivasan Soondrasan Pillay, Takunda John Chirau
142 - A Cognitive AI Model Using Deep & Cross Network for Personalized Gamified Recommendations to Promote Healthy Eating Decisions Among University Students	**Richar Varoni Romero Cacha**, Lino Abraham Quenta Leon, Navarrete V. Elio

Session 4 (ROOM1) Chair: Ebubekir Yasar	Date: June 14, 2025 Time (GMT+2): 08:00 am - 10:00 am
Paper	Author (s)
11 - Personalized Stress Relief System Using Emotion Recognition and Machine Learning	**Ahmed Khalifa**, Korhan Cengiz, Mohammed Mustafa
43 - AI Meets Data Science: Preprocessing and Feature Selection Reimagined	**Otmane Azeroual**
62 - Federated Learning-Based Intrusion Detection Systems for 6G IoT: Performance and Challenges	**Sümeye Nur Karahan**, Osman Kaya
71 - The Evolution of Wireless Communication with the THz Spectrum: New Horizons in 6G	Sümeye Nur Karahan, Amine Gonca Toprak, Öykü Berfin Mercan, **Yasin Emre Tok**
88 - Automated Pollen Recognition in Optical and Holographic Microscopy Images	**Swarn Singh Warshaneyan**, Maksims Ivanovs, Blaž Cugmas, Inese Bērziņa, Laura Goldberga, Mindaugas Tamosiunas, Roberts Kadiķis
177 - Detection and Disinfestation of Diseased Plants with YOLO Based ANFIS Controlled Unmanned Ground Vehicle	**Serhat Yılmaz**, Dilara Polat, Esma Beyza Akboynuz, Emir Alp Gedikli, Zeynep Yılmaz
185 - Dorsal Hand Vein Biometric Systems: A Survey on Methods, Applications, and Future Directions	**Seda Karkacıer**, Turgut Ozseven
131 - Context-Aware AI for Real-Time Content and Quiz Recommendations in Student Learning Environments	**Agon Memeti**, Ibrahim Neziri, Neshat Ajruli, Krenar Huseini, Asri Nuhi, Aqim Iljazi

Session 5 (ROOM2) Chair: Koksal Erenturk	Date: June 14, 2025 Time (GMT+2): 08:00 am - 10:00 am
Paper	Author (s)
133 - How Do 13–16-Year-Olds Understand AI? A Topic Modeling Study of Swedish Students Perceptions	**Mirka Saarela**, Ahmed Taiye Mohammed, Johanna Velander, Rafael Zerega
143 - Development of Card Fraud Detection Model with Intelligent Agent Technology and Use of Model Results in Prevention Processes	Ercan Oztemel, **Muhammed Isik**
144 - Intelligent Routing Strategies in UAV Swarm Operations	**Serap Kilinc**, Meltem Yildirim Imamoglu
147 - A Combination of Steganography Methods to Increase the Degree of Information Concealment	Oleksandr Sitchenko, **Stanislav Milevskyi**, Serhii Pohasii, Vasyl Kotsiuba, Alla Krepko, Stadnik Vladimir
170 - Assessing the Capabilities of Large Language Models to Comprehend Analog Integrated Circuits via Netlist Analysis	**Andrei Dăescu**, Alexandru Guzu, Georgian Nicolae, Claudius Dan
171 - Evaluating Specialized CNN Architectures for Hip Implant Loosening Detection on Radiographic Images	**Emre Gogus**, Atınç Yılmaz
72 - FedFZY: A Novel Aggregation Method for Federated Learning	**Köksal Erentürk**

PANEL SESSION (ROOM2)
Time (GMT+2): 10:00 am - 11:30 am
Defense Industry and Artificial Intelligence
Panelists: Yahya Ekici, Ali Berkol, Melike Colak, N.Pervan Akman
Moderator: Koksal Erenturk

Session 6 (ROOM1) Chair: Ebubekir Yasar	Date: June 14, 2025 Time (GMT+2): 12:30 pm - 2:30 pm
Paper	Author (s)
12 - Keyphrase Trees: Enhancing LLM Prompts with Hierarchical Topic Extraction	Amr Hegazy, **Mohamed Abdelkarim**, Reem ElAdawi
14 - A Fused Modality Human Action Recognition System Based on Motion Saliency in RGBD Videos	**Alexander Gutev**, Carl James Debono
36 - Bridging the Gap Between Educators and Game-Based Learning: A Study of an AI-Assisted Course Creation Tool for Minecraft Education	**Konstantinos Roumpas**, Michalis Xenos
45 - Exploring Adaptive and Disruptive Changes in Brain Connectivity Under Stress	**Muhammad Asad Zaheer**, Aamir Saeed Malik
52 - Enhanced Stress Prediction among nurses in their work environment using Clustered Chameleon Swarm Algorithm	**Mamta Nag**, Vijaya J, Mallikharjuna Rao K
203 - Design and Implementation of Supply Chain Collaborative Risk Early Warning System Based on Machine Learning and Data Mining Technology: A Case Study of China's Manufacturing Supply Chain	**Huiyu Yang**
65 - Advancing Idea Management Systems with Topic Modeling: Radical Innovation Patterns in Student-Driven Industry Cases	**Serena Leka**, Aman Shah
73 - The Menace of Artificial Intelligence – A Critical Analysis	**Tariq Jamil**, Umnia Tariq

Session 7 (ROOM2) Chair: Koksal Erenturk	Date: June 14, 2025 Time (GMT+2): 12:30 pm - 2:30 pm
Paper	Author (s)
206 - Research on the synergistic mechanism of improving the transparency of listed company governance and reducing equity costs based on blockchain technology	**Gong Jian**, Azam Abdelhakeem Khalid, Azlan Bin Ali, Yousif Abdelbagi Abdalla
207 - Construction and optimization of intelligent management system for sports venues	**Xianghong Meng**, Jing Zhu, Lezhong Sun
198 - Construction and Empirical Research of Personalized Design System for Smart Home Furniture Based on Deep Learning Neural Network and Kansei Engineering Principles	**Yixin Hong**, Jiaqing Jin
202 - Copyright Protection And Traceability Of Intangible Cultural Heritage Digital Aesthetic Education Resources Based On Blockchain Technology	**Chenxian Yao**
196 - Design of Real-Time Embedded System Based on STM32 and Free RTOS with Optimization of Advanced Task Scheduling Algorithm	**Yuanyuan Zhang**, Junnan Li
192 - Innovative Application and Implementation Path of IoT Technology in Smart Furniture Integrating Chinese Traditional Auspicious Patterns	**Ruiyi Dong,** Siti Salmi Binti Jamali

Session 8 (ROOM2) Chair: Koksal Erenturk	Date: June 14, 2025 Time (GMT+2): 4:30 pm - 6:30 pm
Paper	Author (s)
44 - Improving Math Problem Solving in Large Language Models Through Categorization and Strategy Tailoring	**Amogh Akella**
181 - Hybrid Deep Learning Approach of a 6-Axis Force-Torque Sensor Calibration for a Wheeled Humanoid Robot	Helber Meneses Navarro, Fanny Solís González, **Sebastián Rojas Gutiérrez**, Caleb Arias Fallas, Cristopher Montero Campos, Federico Ruíz Ugalde
183 - Eat4U: Calorie Management Based on Predictive Machine Learning Models and Instance Segmentation for University Students in Metropolitan Lima	**Sebastian Ramirez**, Jerry Quispe, Elio Navarrete
204 - College English reading comprehension graded test and CLIL teaching strategy Customization driven by the integration of SVM and deep learning	**Tianjiao Han**
205 - Evaluation of the effectiveness of English vocabulary review strategies based on forgetting curves in computer-assisted language learning (CALL) software	**Ying Zhang**
193 - Design and implementation of energy efficiency audit, carbon footprint tracking and sustainable development path planning system for green economy enterprises based on blockchain technology	**Xinyi Zhang**
184 - Mobile Application for Managing Anxiety using Machine Learning Model	Ahuanari M. Maria Alexandra, **Gomez D. Cristhian Gabriel**, Navarrete V. Elio
208 - Machine Learning Approaches in Cervical Cancer Research: A Comprehensive Literature Review	**Murathan Yüksel**, Turgut Özseven