ICMI 2022

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2nd International Confernce on Computing
and Machine Intelligence
July 15 - 16, 2022

ATLAS ÜNİVERSİTESİ

ICMI
2022

CONFERENCE PROGRAM

2nd IEEE International Conference on Computing and Machine Intelligence

ICMI-2022

July 15-16, 2022

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Turkey Section

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DAY 1: July 15, 2022

Turkish Standard Time: GMT/UTC + 3h

Time	Event	Hall
09:00 – 09: 05	**Welcome Speech**	
09:05 – 09:20	**Address by General Chair(s)**	**Virtual Main Hall**
09: 20 – 09:50	**Keynote Speech** **Fausto Pedro García Márquez, PhD** **University of Castilla–La Mancha (UCLM), Spain**	
09:50 – 10:00 Break		
10:00 – 12:00	**Session 1**	
12:00 – 12:30	**Keynote Speech** **Tülay Yildirim, PhD** **Yildiz Technical University, Istanbul, Turkey**	**Virtual Main Hall**
13:00 – 14:45	**Session 2**	
14:45 – 15:00 Break		
15:00 – 16:45	**Session 3**	**Virtual Main Hall**
17:00 – 18:30	**Session 4**	

DAY 2: July 16, 2022

Turkish Standard Time: GMT/UTC + 3h

Time	Event	Hall
09:00 – 11:00	**Session 5**	
11:00 – 11:30	**Keynote Speech** **Shehzad Ashraf Chaudhry, PhD** **Abu Dhabi University, UAE**	**Virtual Main Hall**
11:30 – 13:30	**Session 6**	
13:30 – 14:00 Break		
14:00 – 15:30	**Session 7**	
15:30 – 17:00	**Session 8**	**Virtual Main Hall**
17:20-18:30	**Closing Ceremony**	

Day – 1	Session – 1 Chair : Dr. Alaa Ali Hameed	July 15, 2022 10:00 – 12:00

ID	Authors and Title
6184	**Himmet Toprak Kesgin and Mehmet Fatih Amasyali** Development and Comparison of Scoring Functions in Curriculum Learning
5877	**Iyad Abu Doush, Mohammed Awadallah and Mohammed Al-Betar** A Novel Essential Mutation Method for Evolutionary Algorithms
6557	**Burak Gözütok, Abdullah Bas, Kadriye Marangoz, Ersin Demirel and Hakkı Yağız Erdinç** Contextual Re-ranking of Search Engine Results
2819	**Osman Altay** Performance of different KNN models in prediction English language readability
2198	**Orbin Ahmed Acanto, Mehzabin Islam Drishty, Abrar Islam, Samonty Zaman, Jaber Ahmed and Md. Khalilur Rhaman** A hybrid approach to determine patient's critical situation along with falling sequence in real time using expression & posture with deep learning algorithm
0901	**Qudes Aljelawy and Tariq Salman** Detecting plate number using OCR technique and Raspberry Pi 4 with camera
3362	**Farah Rasheed and Hussein Abdulnabi** Multiband graphene-based Mimo antenna in terahertz antenna regime
9913	**Warda R. Mohammed and Ahmed F. Hussein** The optimization of ECG-Leads Based Cardiovascular Abnormal Detection Scheme

Day – 1	Session – 2 Chair : Dr. Zehra Kamisli Ozturk	July 15, 2022 13:00 – 14:45

ID	Authors and Title
3344	**Tuğba Demircan Kutluay and Süleyman Eken** Kocaeli-wide Bicycle Parking Station Site Selection with Analytical Hierarchy Process
3316	**Gregor Alexander Aramice, Abbas Hussien Miry and Tariq Mohammed Salman** Internet of Vehicles: Architectures, Protocols and Communication Technologies
3429	**Ahmet Aytuğ Ayranci and Hacı İlhan** Decentral Smart Grid Control System Stability Analysis Using Machine Learning
4934	**Navid Pourhadi, Behnoud Shafizadeh, Farshad Eshghi and Manoochehr Kelarestaghi** YOLOv5-based ALPR Improvement using Selective SR-GAN
8415	**Basma Faihan, Ziad T. Al-Dahan and Hussein H. Alzubeidy** A Model-Based Artificial Neural Network to Predict Blood Acidity in Patients under Cardiopulmonary Bypass
5966	**Aymen Gannouni, Thomas Otte, Hans Zhou, Arif Hosan, Jonas Odenthal, Anas Abdelrazeq, Stephan Neumann, Georg Jacobs and Frank Hees** Evaluating the Communication Infrastructure of a Digital Process Platform for Future Construction Sites
2833	**Eslam Abushaaban and Mustafa Agaoglu** Medical Appointment No-Show Prediction Using Machine Learning Techniques

Day – 1	Session – 3 Chair : Dr. Neelu Nagpal	July 15, 2022 15:00 – 16:45

ID	Authors and Title
5788	**Yunus Emre Palavar, Zeynep çelik, Ahmet Albayrak, Emine özçelik and Mustafa Erdil** Analysis of the Covid-19 Process in Terms of Health Managers
5598	**Murat Bakirci and Muhammed Mirac Ozer** Avionics Design for a Subsonic Rocket Carrying a Scientific Experiment Unit
9883	**Hamza Zidoum** Unsupervised Learning Approach to Drive Therapeutic Precision in a Complex Disease
3932	**Nour Ammar and Ali Okatan** Real-Time Visual Target Detection and Tracking Via Unmanned Ground Vehicle
4932	**Marah Alhalabi, Taherah Alblooshi, Leen Baba, Huda Sliman, Esrat Khan, Maha Yaghi and Mohammed Ghazal** Perceived Usefulness and Satisfaction with Location Adaptive Smart Learning
8347	**Faezeh Soleimani, Melihsah Cekic, Kübra Nur Korkmaz, Habib Müküs, Alaa Ali Hameed and Akhtar Jamil** Artificial Intelligence Approach for Modeling House Price Prediction
5830	**Mohammed Saddam and Muhammad Ilyas** Processing Health Insurance Claims Based on Blockchain Technology

Day – 1	**Session – 4** **Chair : Dr. Muhammad Davud**	**July 15, 2022** **17:00 – 18:30**

ID	Authors and Title
5785	**Fatimah Al Heeti and Muhammad Ilyas** Comparative analysis of convolutional neural network architectures for classification of plant leaf diseases
4460	**Jenan Ayad, Ahmed Sadiq, Basma Makki, Zainab Ali Abbood, Hanan J. Abdulkareem and Zaid Khudhur Hussein** Secure Images Transmission Through OFDM System
1556	**Mustafa Muhanad M.Salih and Muhammet Çakmak** Neural Network Approach For Classification And Detection Of Chest Infection
9967	**Sonay Duman and Abdullah Elewi** Design of a Smart Vertical Farming System Using Image Processing
1969	**Sundus Naseer Mohammed** Designing Dual Level Spectrum Sensing Mechanism For Cognitive Radio
2682	**Hammad Abid, Nudrat Nida and Aun Irtaza** PestinaNet- A Real-Time Crop Pest Detection System

Day – 2	Session – 5 Chair : Dr. Kiran Sood	July 16, 2022 09:00 – 11:00

ID	Authors and Title
2520	**Omer Mohammed Khodayer Al-Dulaimi, Mohammed Khodayer Hassan Al-Dulaimi and Aymen Mohammed Khodayer Al-Dulaimi** Analysis Of Low Power Wireless Technologies Used In The Internet Of Things (Iot)
5428	**Sama Nazar and Heba Nabeel** IoT and Artificial Neural Network-Based Water Control for Farming Irrigation System
2187	**Usman Abubakar, Moussa Mahamat Boukar and Steve Adeshina** Comparison of Transfer Learning Model Accuracy for Osteoporosis Classification on Knee Radiograph: GoogleNet vs VGG-16 vs ResNet-50
9790	**Raneen I. Al-Essa and Ghaida A. Al-Suhail** Mobility and Transmission Power of AODV Routing Protocol in MANET
2883	**Najat H. Khalaf, Hadeel N. Abdullah, Qussay S. Tawfeeq and Aseel N. Abdullah** Enhancement of Radar Signal Detection using Double-Density Dual-Tree DWT
8514	**Erdem Demir, Muhammed Nafiz Canıtez, Mohamed Elazab, Alaa Ali Hameed, Akhtar Jamil and Abdullah Ahmed Al-Dulaimi** Assessing the Spreading Behavior of The Covid-19 Epidemic: A Case Study of Turkey
8314	**Muhammad Zargham Masood, Akhtar Jamil and Alaa Ali Hameed** Artificial Intelligence-based Techniques for COVID-19 Detection from CT-Scans
0917	**Fatma Ridaoui and Yakup Genc** Using Additional Information to Improve Classification of Clothing Item

Day – 2	Session – 6 Chair : Dr. Waleed Ead	July 16, 2022 11:30 – 13:30

ID	Authors and Title
7415	**Tasnim Basmaji, Maha Yaghi, Esrat Khan, Leen Baba, Bara Fteiha, Ala Harb and Mohammed Ghazal** A Low-Cost IoT Node for Fever Detection using Artificial Intelligence
0335	**Raghdah W. Saleh and Hadeel N. Abdullah** Smart Healthcare System for Early Diabetic Retinopathy Detection
9739	**Hasanain Shanan and Mehmet Çİydem** Radio Over Fiber Passive Optic Network Design
7583	**Umar Adam Ibrahim, Mouasa Bourkar Mahmat and Muhammed Aliyu Suleiman** Graphic User Interface for Hausa Text-to-Speech System
4775	**Namrata Marwah, Preeti Aggarwal and Ravreet Kaur** Lung Cancer Survivability prediction with Recursive Feature Elimination using Random Forest and Ensemble Classifiers
8016	**Farah Anwar Mohamed Abdou, Muhammad Irfan Memon and Javeed Hussain Shaik** Senitimental Analysis of Behavoral Changes in the Society Due To Ramadan in Islamic World
0616	**Gökçe Manap, Sedat Bilgili and Alper Kamil Demir** On the Forwarding Information Base Sizing in Named Data Networking of Things
5125	**Esam Alzahrani, Mohammed Al Qurashi and Leon Jololian** Comparative Analysis of the Use of PreTrained Models to Profile Authors' Ages and Genders

Session – 7
Chair : Dr. Serdar Solak

Day – 2

July 16, 2022
14:00 – 15:30

ID	Authors and Title
3522	**Meryem Altin Karagoz, Dervis Karaboga, Bahriye Akay, Alper Basturk and O. Ufuk Nalbantoglu** Deep Learning Based Steatosis Quantification of Liver Histopathology Images Using Unsupervised Feature Extraction
0786	**Nahdh S.M. Al-Saif** Neural Network for Solving Integro Partial Differential Equations
7789	**Maha Yaghi, Abdullah Alsalmani, Montasir Qasymeh, Mohammad Alkhedher, Mohammed Yaghi and Mohammed Ghazal** Accurate and Contactless COVID-19 Fever Screening and Attendance Tracking
4577	**Roshan Kumar, Sania Bhatti, Sadaquat Ali Ruk and Nazia Pathan** Identification of Endangered Animal species of Pakistan using Classical and Ensemble Approach
2094	**Ala Khalifeh, Mahmoud Alqudah and Sahel Alouneh** An Optimal Cluster Head Selection in Wireless Sensor Network Utilizing Unsupervised Learning Algorithm
8302	**Tasnim Basmaji, Maha Yaghi, Huma Zia, Lana Qamhieh, Doaa Abueida, Maha Abueida and Mohammed Ghazal** Posture Detection Using the Internet of Wearable Things

	Session – 8 Chair : Dr. Enkeleda Lulaj	
Day – 2		**July 16, 2022** **15:30 – 17:30**

ID	Authors and Title
8724	**András Attila Sulyok and Kristóf Karacs** Towards Using Fully Observable Policies for POMDPs
8353	**Kevser Şahinbaş** Employee Promotion Prediction by using Machine Learning Algorithms for Imbalanced Dataset
7344	**Abdoulaye Bah and Muhammed Davud** Analysis Of Breast Cancer Classification With Machine Learning Based Algorithms
9812	**Hussein Al-Gburi, Mohaimen Algburi and Hussam Al-Saedi** Compact Antenna Design for RFID and IoT Applications
9304	**Maha Yaghi, Tasnim Basmaji, Doha Alamri, Nada Hussein, Mohammed Hammoudi and Mohammed Ghazal** Student Authentication and Proctoring System Using AI and the IoT
2438	**Raghad Mula Alyas and Adnan Saher** Detection of Plant Diseases using Image Processing with Machine Learning