

CONFERENCE PROGRAMME		
DAY 1, THURSDAY, Nov. 14		
ALL DAY	REGISTRATION	Registration Desk
10:00 - 10:30	OPENING CEREMONY Classical Music Concert Şehrinaz Gündüz, Candan Işık Yüce, Muhammet Emin Oğuz, İsmail Altın, Enes Parlak	RED HALL
10:30 - 11:00	OPENING SPEECH Prof. Dr. Türkey Dereli Iskenderun Technical University	RED HALL
11:00 - 11:30	KEYNOTE SPEECH Kubilay GÜRBÜZ LimakPort Industry 4.0 Applications on Port Logistics	RED HALL
11:30 - 11:45	COFFEE BREAK	
11:45 - 12:15	KEYNOTE SPEECH Prof. Darius ANDRIUKAITIS Kaunas University of Technology	RED HALL
12:30 - 13:30	LUNCH	
14:00 - 16:00	SESSION 1	RED HALL, D102, D103, D104
DAY 2, FRIDAY, Nov. 15		
ALL DAY	REGISTRATION	Registration Desk
09:00 - 11:00	SESSION 2	RED HALL, D102, D103, D104
11:00 - 11:30	KEYNOTE SPEECH Ahmet Kemal TOZKAR Vestel Lean Production on TV Mainboard Assembly Lines	RED HALL
11:30 - 11:45	COFFEE BREAK	
11:45 - 12:15	KEYNOTE SPEECH Dr. Dumitru BALEANU Cankaya University	RED HALL
12:30 - 13:30	LUNCH	
14:00 - 16:00	SESSION 3, SESSION 4	RED HALL, D102, D103, D104, LAB1
19:00	GALA DINNER	
DAY 3, SATURDAY, Nov. 16		
08:00	Departure from ISTE main campus	
09:00 - 18:00	ANTAKYA CITY TOUR	

SESSION 1: Thursday / 14:00 - 16:00	
RED HALL	Industrial Engineering - Production and Marketing
	Chairs: Prof. Dr. Boris Mirkin - Dr. Yunus EROĞLU
	Dmitry Frolov, Zina Taran, Boris Mirkin , Efficient Audience Extending in Targeted Advertising by Using Generalization of User Segments
	Adem ERİK, Yusuf Kuvvetli , Evaluating Industry 4.0 Integration with Marketing Activities by Fuzzy Analytic Network Process
	Yunus Eroglu, Oguz Cesur , Mithat Sarıkaya, An artificial neural network system for predicting the parameters in order to produce the ordered qualities in flat steel industry
	Abdullah Akman Demirkan, Zeynep Didem Unutmaz Durmuşoğlu , Production Planning Application For A Pet Resin Production Plant
Gulcin Bektur , A Fuzzy Approach for Multi- Period Sustainable Supplier Evaluation and Order Allocation Problem	
Yasemin Gönenç Erdiñç, Deniz Kılıñç, Tarik Ozkanli , Airport Resource Scheduling and Allocation Optimizations:TAV Technology Perspective	
D104	Industry 4.0
	Chairs: Assoc. Prof. Dr. Cihan ÇETİNKAYA
	Cihan Çetinkaya, Melike Bulur , A Benchmarking Study for Evaluating Two Management Information Systems Departments in Turkey
	Türkay Dereli, Alptekin Durmuşoğlu, Seçkin Dilek , Analyzing of Industrial Engineering Curriculum towards Industry 4.0 by Using Text Mining Approach
	Samet Kürşat Başol, Türkay Dereli, Alptekin Durmuşoğlu , Analyzing The Relationship Between Graduate Theses Of Universities In Tr51 Ankara Region And Competitive Industries In Its Region
Fehmi Arif Skender, İlker Ali , Digitization and Industry 4.0	
RED HALL	Mathematics and Statistics
	Chairs: Dr. Ebru DAŞ - Assoc. Prof. Dr. Sertan ALKAN
	Mohamed Helal , Perturbed Fractional Differential Equations with infinite State-Dependent Delay in Banach spaces
	K. Aidi , N. Seddik-Ameur , Generalized linear exponential distributions with accelerated failure time
K. Aidi, N. Seddik-Ameur , Goodness-of-fit tests for new two parameters distribution with right censoring	

	Sertan Alkan, Veysel Fuat Hatipođlu, Sebahat Ebru Dađ, Approximate Solutions of Fractional Emden-Fowler Problem with Beta Derivative
D104	Signal Processing
	Chairs: Assoc. Prof. Dr. Yalçın İŐLER - Dr. Ahmet GÖKÇEN
	Ebru Sayılđan, Yılmaz Kemal Yüce, Yalçın İŐler, Prediction of Evoking Frequency from Steady-State Visual Evoked Frequency
	Yalcin Isler , Ozlem Isler, EMG Controlled 3D Printed Bionic Hand
	Ebru Sayılđan , Yılmaz Kemal Yüce , Yalçın İŐler, Classification of Gaze into Five Box from EEG Signals Test Using Machine Learning
	Kadriye Ökten, Ahmet Gökçen, Classification of EMG Signals using Myo Armband
	Yakup Kutlu, Gizem Karaca, Real-Time Playing Chess Game with Turkish Voice Commands
D101	Others
	Chairs: Dr. Hüseyin Fırat Kayıran - Dr. Ömer Nedim Kenger
	Cihan Çetinkaya, Ömer Nedim Kenger, Benchmarking Of Two Market Leader Companies By Using AHP Technique
	Yađmur Özcan, Mehmet Ermurat, The Effect Of Industry 4.0 On Occupational Safety Policies
	Hüseyin Fırat Kayıran, Evin Yananer, Examining the Applicability of Artificial Intelligence in Nutrition and Dietetics
	Hüseyin Fırat Kayıran, Evin Yananer, Thermal stress of discs subjected to parabolic increased temperature distribution
	Zafer Bozyer, Alpaslan Fiđlalı, Developing the Design Criteria for Augmented Reality Applications on See-Through Head Mounted Displays
Hatice Nur Yerlikaya, Mustafa Yeniad, Log Analysis of a Large Scale Network by Using Elastic Stack	

SESSION 2: Friday / 09:00 - 11:00

RED HALL	Artificial Intelligence
	Chairs: Dr. Ebru DAŞ - Dr. Gökhan ALTAN
	Orkun Teke, Tolga Depci , Mathematical Background Of Artificial Neural Networks
	Orkun Teke, Tolga Depci , Artificial Intelligence And Games (alphago And Eurisko Samples)
	Oğuzhan Güngör , Artificial Intelligence as an “Ai-Punk”
	Corc Kosaca, Yakup Kutlu , The Place of Artificial Intelligence In Digital Transformation In Industry
	Funda Turan, Aysegul Ergenler , New Aquaculture Facilities with Artificial Intelligence
M. Hakan Demir, Tolga Depci , Estimation of Lead and Zinc Adsorption Amount on Activated Carbon using Artificial Neural Network	
D102	Robotic and Optimization
	Chairs: Dr. Ersin ÖZDEMİR - Dr. Ahmet GÖKÇEN
	Ersin Özdemir, Metin Eken , Remote Robot Application with Hoverboard
	Metin Sevinçli, Ersin Özdemir , Dual-robot Arm Motion Planning Using Genetic Algorithm
	Tayfun Abut, Servet Soygüder , Kinematic and Workspace Analysis of Delta type a Parallel Robot
	Tayfun Abut, Kenan Yıldırım , Controller Design and Implementation of Two- Mass Drive System (TMDS)
	Hasan Hüseyin Bilgic , Tuning of PID Parameters by Using RO(Ray Optimization) Algorithm for a Real-Time Control System
Cağlar Conker , Optimal Tuning of PID Controller Parameters for DC Motor based on Tug of War Optimization Algorithm	
İlker Mert, Hüseyin Yağlı , Estimation of Solar Energy Potential in Iskenderun Region by Artificial Intelligence Techniques	
D105	Computer Vision and Image Processing
	Chairs: Prof. Dr. Funda TURAN - Dr. Veysel Fuat HATİPOĞLU
	Oğuzhan Kıvrak , Mustafa Zahid Gürbüz , Detection of Defective Hazelnuts by Image Processing and Machine Learning
	Caner Özcan, Betül Dolapçı , Large-Scale Image Analysis Using Apache Spark
Funda Turan, Yakup Kutlu, Ayşegül Ergenler , DNA Base Damage Induction by Comet Assay in Caranx rhoncus Cells from Mersin Bay in the Northeastern Mediterranean with new image analysis (BioMorph)	

	<p>Funda Turan, Morphological Comparison to Different Perspective of mullet Mugil cephalus Populations with Biomorph Software</p> <p>Cemal Turan, Yakup Kutlu, Fourier and Truss Methods with BioMorph software for morphological analysis of the green tiger prawn <i>Penaeus semisulcatus</i> populations in the Mediterranean coast of Turkey</p>
D104	<p>Analysis - Simulation - Big Data</p> <p>Chairs: Prof. Dr. Şeniz Ertuğrul - Dr. Merve Erkinay Özdemir</p>
	<p>Cihan Çetinkaya, İbrahim Miraç Ellgüzel, Analysis of Variables Affecting the Energy Demand in Turkey Through Neural-Network Approach</p>
	<p>Meryem Yeşilot Kaplan, Industry 4.0 Technologies In The Petroleum And Natural Gas Sectors</p>
	<p>Merve Erkinay Özdemir, Big Data in Health Care</p>
	<p>Sunay Budak, Eren Özceylan, Süleyman Mete, Simulation Analysis of a Motor Vehicle Inspection Station: A Case Study in Adıyaman TÜVTÜRK</p>
	<p>Eren Özceylan, Süleyman Mete, Sunay Budak, A Simulation Approach for Improving Vehicle Inspection Process: A Case Study in Adıyaman TÜVTÜRK</p>
	<p>Yakup Kutlu, Gokce Ozdes, Application Of Artificial Intelligence In The Production Of Steel Which Is Desired Quality In The Laddle Furnace In The Iron And Steel Sector</p> <p>Alper Senem, Şeniz Ertuğrul, Condition Monitoring and Fault Diagnosis of Induction Motors: A Survey</p>
D101	<p>Virtual Presentation Session</p> <p>Chairs: Dr. Mehmet SARIGÜL</p>
	<p>Remzi Gürfidan, Ahmet Ali Süzen, Vehicle Price Determination by Neural Fuzzy Inference Method</p>
	<p>Aouine Ahmed Chaouki, Common fixed point theorem for mappings satisfying a larger generalized contraction in partially ordered metric spaces</p>
	<p>Aouine Ahmed Chaouki, Common fixed point theorem for mappings satisfying a larger generalized (S,T)-condition</p>
	<p>Volkan Soner Özsoy, Execution of Particle Swarm Optimization algorithm according to acceleration coefficients and inertia weight strategies</p>
	<p>Zeynep Bayraktar, Murat Çelebi, Plant Detection in Aerial Images Using Deep Neural Networks for Smart Agricultural Applications</p>
	<p>Oğuzcan Uludağ, Arif Gürsoy, Implementation Of Knn Classification Algorithm On Altman Z-score Model In Data Mining</p>

	Ali Özgün Hırlak, Zeynep Didem Unutmaz Durmusoglu , Efficient Workload Distribution to Welding Robots
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SESSION 3: Friday / 14:00 - 16:00	
RED HALL	Forecasting
	Chairs: Dr. Baki Ünal - Dr. Yunus EROĞLU
	Yunus Eroglu and Istemi Kagan Sakar , Export Price Forecast by Artificial Neural Networks for Rolled Steel Products in Turkey
	Baki Ünal , Forecasting Gold Prices with ARIMA, Feed Forward Neural Networks and LSTM Networks
	Harika Akalın, Zülfiye Erdoğan, Türkey Dereli , Forecasting Wind Power Generation using Machine Learning Techniques: A Case Study
	Türkey Dereli, Özge Var , Nowcasting Applications in the Economy
LAB1	Data Mining - Deep Learning
	Chairs: Dr. Gökhan ALTAN
	Mehmet Sarigul , Pattern transfer between images of different species of butterflies using CycleGan
	Huseyin Atasoy, Yakup Kutlu, Cemal Turan , Optimization of Parameters in Elliptic Fourier Series for Contour Classification
	Ezgi Zorarpaci, Selma Ayşe Özel , Performance Comparisons of Data Mining Algorithms over Differentially Private Data
	Levent Karacan , Applications of Generative Adversarial Networks
	Kadir Tohma, Yakup Kutlu , Turkish Natural Language Processing with NAO Robot
D103	Wireless Sensor Networks
	Chairs: Dr. İpek ABASIKELEŞ-TURGUT - Dr. Ahmet GÖKÇEN
	Ali Arslan , İpek Abasikeleş-Turgut , Literature Review of Anomaly-Based Intrusion Detection Systems in Wireless Sensor Networks
	Cansu Canbolat, İpek Abasikeleş-Turgut , A Trust-Based Cluster Head Election Methodology in Wireless Sensor Networks
	Merve Özdemir, İpek Abasikeleş Turgut , Technologies Used in Real-Time Wireless Sensor Networks

	<p>İpek Abasıkeleş Turgut, Analysing Multi-hop Intra-Cluster Communication in Cluster-Based Wireless Sensor Networks</p>
D104	<p>Communication Systems</p>
	<p>Chairs: Assoc. Prof. Dr. Emin ÜNAL - Dr. Selva MURATOĞLU ÇÜRÜK</p>
	<p>Selva Muratoğlu Çürük, Energy Harvesting in Visible Light Communication Systems</p>
	<p>Selva Muratoğlu Çürük, Faruk Boyuneğmez, FFT and DTT Based Optical OFDM for Visible Light Communication</p> <p>Meltem Akca, Usage Of Information And Communication Systems In Air Traffic Management: A Study Among Air Traffic Controllers</p> <p>Hasan Yeral, Emin Ünal, 2-bit Programmable Metasurface and Antenna Applications</p>
D101	<p>Machine Learning</p>
	<p>Chairs: Prof. Dr. Bülent Karakaş - Dr. Murat UÇAR</p>
	<p>Ayman Alzaatreh, Hana Sulieman , Feature Selection Approach Based on Global Sensitivity</p>
	<p>Osman Balli, Yakup Kutlu, Effect Of Window Size For Asthma Diagnosis</p>
	<p>Yakup Kutlu, Tuğba Açıl, Feature Extraction and Classification of Gender from Iris images</p>
	<p>Yunus Camgözlü, Yakup Kutlu, Different Approaches In Leaf Classification</p>
	<p>Emine Uçar, Murat Uçar, Applying Capsule Network on Kannada-Mnist Handwritten Digit Dataset</p>
	<p>Bülent Karakaş, Şenay Baydaş, Pronation motion in the concepts of artificial intelligence approach</p> <p>Süleyman Serhan Narlı, Gökhan Altan, Denoising Medical X-ray Images using Block-matching and 3D filtering</p> <p>Enver Kaan Alptürk, Yakup Kutlu, Investigation of Effects of Motor Movements on EEG Signals and Channels by Frequency Band Analysis</p>
<p>SESSION 4: Friday / 14:00 - 16:00</p>	
D102	<p>Student Presentations</p>

GALA DINNER PROGRAMME

Friday, Nov. 15

TIME	ACTIVITY
18:00	ISTE MAIN CAMPUS - GALA DINNER
19:00-19:15	WELCOME CEREMONY
19:15-19:30	OPENING SPEECH (Prof. Dr. Türkay DERELİ)
19:30-20:45	GALA DINNER
21:00	ISSOS Hotel Transfer

SOCIAL ACTIVITIES

Saturday, Nov. 16

TIME	ACTIVITY
08:00	Departure from ISTE main campus
09:00-16:00	Antakya City Tour
16:00	HATAY - ISTE MAIN CAMPUS