



ICENTE'24

8TH INTERNATIONAL CONFERENCE ON
ENGINEERING TECHNOLOGIES

CONFERENCE PROGRAMME



NOVEMBER 21-23, 2024

KONYA - TÜRKİYE

icente.selcuk.edu.tr - icente@selcuk.edu.tr

ICENTE 2024 - CONFERENCE PROGRAMME

NOVEMBER 21, 2024 THURSDAY	
09:00 – 10:00	Opening Ceremony (https://zoom.us/j/9494068374)
10:00 – 10:30	Invited Speech 1: Prof. Dr. Çetin ELMAS (https://zoom.us/j/9494068374)
10:30 – 12:00	SESSION – 1 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
12:00 – 13:00	Break
13:00 – 13:30	Invited Speech 2: Prof. Dr. Ali KAHRAMAN (https://zoom.us/j/9494068374)
13:30 – 15:00	SESSION – 2 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
15:30 – 17:00	SESSION – 3 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
17:30 – 19:00	SESSION – 4 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
NOVEMBER 22, 2024 FRIDAY	
09:00 – 09:30	Invited Speech 3: Prof. Dr. Lokman KUZU (https://zoom.us/j/9494068374)
09:30 – 11:00	SESSION – 1 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
11:00 – 11:30	Break
11:30 – 12:00	Invited Speech 4: Prof. Dr. Mohd. Farooq Wani (https://zoom.us/j/9494068374)
12:00 – 13:00	Break
13:30 – 15:00	SESSION – 2 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
15:30 – 17:00	SESSION – 3 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
17:30 – 19:00	SESSION – 4 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
NOVEMBER 23, 2024 SATURDAY	
09:00 – 10:30	SESSION – 1 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
10:30 – 12:00	SESSION – 2 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
12:00 – 12:30	Invited Speech 3: Prof. Dr. Lokman KUZU (https://zoom.us/j/9494068374)
12:30 – 13:00	Break
13:00 – 14:30	SESSION – 3 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103
14:30 – 16:00	SESSION – 4 Virtual Room 1: https://zoom.us/j/9494068374 Virtual Room 2: https://zoom.us/j/4426059103

PRESENTATION PROGRAMME

SESSION 1 - November 21, 2024 Thursday (10:30 - 12:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: SELAHATTİN BARDAK

20: Skip-Gram Adapted for Session-Based Recommendation Systems

ENES ÇELİK, SEVİNÇ İLHAN OMURCA

21: Application and Performance Analysis of Gradient Boosting Classifier for Wine Quality Prediction

KİNYAS POLAT, SELAHATTİN BARDAK

23: Predicting Student Dropout in Higher Education Using Machine Learning Techniques: A Predictive Model Using XGBoost Algorithm

ANAS AHMED ALI ALHARDI, SELAHATTİN ALAN

24: Opposition-Based Learning Methods to Improve Exploration in Metaheuristics

BÜŞRA SEVAL DOĞAN, TAHİR SAĞ

35: Neurological Disorders: Types, Diagnosis, and Machine Learning and Deep Learning Approaches for Diagnosis

MEHR ALİ QASIMI, ZÜLEYHA YILMAZ ACAR

98: Application of Deep Learning Algorithms in Crack Detection after Magnetic Particle Testing

YASİN ULUS, MEHMET AKİF ŞAHMAN

SESSION 1 - November 21, 2024 Thursday (10:30 - 12:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: AHMET KARAOĞLU

60: Automatic Detection of Covid19 Using Transfer Learning

MUHAMMET ÇAKMAK

62: Quantification of Redundancy in Text Summaries

TUBA GÖKHAN

65: Optimization of Raw Materials, Methods and Production Factors Used in Biodiesel Production with Ensemble Learning

HÜSEYİN SÖYLER, AHMET KARAOĞLU

67: Machine Learning Applications in the Optimization of Motor Performance and Emission Data

AHMET KARAOĞLU, HÜSEYİN SÖYLER

99: Flight Controller Design for a Follower Unmanned Aerial Vehicle Based on Long Short-Term Memory

GÖKHAN KULA, FATİH GÖKÇE

145: Counter-Measuring Missile Threats for Naval Platforms: A Machine Learning Approach

MURAT ERTOP, ALİ ÖTER, ALİ KARA

SESSION 2 - November 21, 2024 Thursday (13:30 - 15:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: SULTAN NEZİHE TURHAN

80: Development of a Deep Learning Method Using Magnetic Resonance Images for the Diagnosis of Multiple Sclerosis

FATMA AKSU, AHMET CEVAHİR ÇINAR

87: Improving Synthetic Data Generation in Finance with Feature Scaling and Outlier Removal

AHMET YASİN AYTAR, ABDURRAHMAN DEMİRLİ

30: Location Aware Basket-based Comparable Market

AYDIN ÇALIKOĞLU, HÜLYA YILDIZ

25: A NoSQL-based data warehouse solution for real time data

SULTAN NEZİHE TURHAN, B. ENGİN

SESSION 2 - November 21, 2024 Thursday (13:30 - 15:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: MUSTAFA KEMAL BALKİ

33: Blue Flag as an Environmental Management Tool for Sustainable Coasts

OYLUM GÖKKURT BAKİ

34: Effect of Natural Gas Usage on Air Pollution: The Example of Sinop Boyabat

METİN KAHRAMAN, MUSTAFA KEMAL BALKİ

41: Deposit Amount Estimation Formed in Landfill Gas Engine Combustion Chamber

ÖZGE ÖSTÜRK SÖMEK, ORHAN SEVİMOĞLU

66: Application of Nanoparticle-Doped MOF Composite-Embedded Mixed Matrix Membranes in Carbon Capture

ÖZGE ÖSTÜRK SÖMEK

144: Design and Implementation of a Solar-Powered Irrigation System: A Case Study from Elazığ/Palu

İBRAHİM ARSLANOĞLU, ENES HALİT AYDIN

109: Modeling and Analysis of a Radial Grid with ETAP Program: Load Flow, Short Circuit Calculations and Relay Coordination with PSO Algorithm

İBRAHİM ARSLANOĞLU, İSMAİL HAKKI ALTAŞ

SESSION 3 - November 21, 2024 Thursday (15:30 - 17:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: OLGUN KÖKSAL

10: Thermal Buckling Risk in Railways: An ANSYS-Based Analysis for Türkiye

FERHAT ÇEÇEN, MEHMET SALTAN

14: Numerical Investigation of the Effect of Steel Braces on Multi-Story Reinforced Concrete Frame Behavior

HÜRMET KÜÇÜKGÖNCÜ

31: Analysis of Liquefaction Potential of Soils by Object Oriented Computer Software: 6th of February, 2023 Kahramanmaraş Earthquake Case

OLGUN KÖKSAL, ZEKİ KARACA

74: Application Stage Engineering Approaches to Project Dams and Reservoirs

MUSTAFA CAN CANOĞLU

94: An experimental study on the effect of colemanite concentrator waste on gamma-ray beams, setting time, and compressive strength properties in cement-based mortars

ŞEVKİ EREN, DOĞAN YAŞAR, SELAHATTİN GÜZELKÜÇÜK, GÖKHAN EKİNCİOĞLU, YUNUS KARATAŞ

127: Static Analysis of Axisymmetric Thin Cylindrical Shells by Complementary Functions Method

OSMAN AYAZ, AHMAD RESHAD NOORI, BURKAY SİVRİ, BEYTULLAH TEMEL

SESSION 3 - November 21, 2024 Thursday (15:30 - 17:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: NİSA NACAR ÇIKAN

6: Optimizing Power Distribution Systems with Integrated Solar Plants, DSTATCOM, and EV Charging Stations using Runge-Kutta Algorithm

MURAT ÇIKAN

9: Optimizing Photovoltaic Systems Using the Artificial Hummingbird Algorithm for Maximum Power Point Tracking (MPPT) Under Shading Conditions

MURAT ÇIKAN

7: Optimization of a 69-Bus Power Distribution System Using Reconfiguration and the Runge-Kutta Algorithm for Multi-Objective Power Loss and Voltage Deviation Minimization

NİSA NACAR ÇIKAN

8: Simultaneous Wind Turbine and EV Charging Station Allocation in a 33-Bus System Using the Slime Mould Algorithm for Power Loss Minimization and Voltage Profile Improvement

NİSA NACAR ÇIKAN

84: Thermal Behavior of a Power Transformer Under Nonlinear Load Conditions: An Image Processing Study

BÜŞRA ASLAN, SELAMİ BALCI, AHMET KAYABAŞI, MUHAMMET FATİH ASLAN, MERVE SINAY

134: Modeling and SoC Estimation of Lithium-Ion Batteries Used in Electric Vehicles

BERFİN YAĞCI, MURAT ÜNLÜ

SESSION 4 - November 21, 2024 Thursday (17:30 - 19:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: HASAN ERDİNÇ KOÇER

27: Reconfiguration of Buck Topology into Buck-boost Converter with the Same Control Unit for Negative Voltage Generation

CAĞFER YANARATEŞ

39: Analyzing the Boost Converter Circuits and Switching Types

SEYYİD M. KILINÇARSLAN, HASAN ERDİNÇ KOÇER

69: Design of a Maximum Power Point Tracking System Using a Switched-capacitor with a Class E Resonant Inverter

KENAN UNAL, SALİH NACAR

111: Speed Control of BLDC Motors via SARSA-Supported Adaptive PI Controller

EMRE ÇELİK, ATİYE HÜLYA OBDAN

50: Benthic Macroinvertebrates in the Rivers of Çukurova Region: An Indicator of Water Quality

EYLEM AYDEMİR ÇİL, PINAR GÜRBÜZER, ZEKİYE BİRİNCİ ÖZDEMİR

142: Development of a Battery Management System with IoT-Enabled Data Tracking for Autonomous Load Robot

İBRAHİM ETHEM DERE, DAVUT ERTEKİN, TALHA TELLİ, SÜLEYMAN CANAN

SESSION 4 - November 21, 2024 Thursday (17:30 - 19:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: RECEP ÖNLER

36: Development of a Skull Phantom for Artificial EEG Wave Generation and Analysis

ELİF NUR SELÇUK, EKREM GÜLSEVİNCLER, GÖKÇENUR ÇAKMAK KEÇELİOĞLU, HATİCE AKMAN, MUSTAFA REŞİT USAL

108: Lyapunov-based Deep Neural Network Robust Trajectory Control for a Robot Manipulator System

FIRAT CAN YILMAZ, RECEP ÖNLER

128: Web Application of Thyroid Disease Detection with Machine Learning

ABDUL SAMAD, SALİH TAZE, MUHAMMED KÜRŞAD UÇAR

146: Chaos-Based Hybrid Bat-Whale Optimization Algorithm

BAHADIR ERGOVANLI, TAHİR SAĞ

100: Experimental Works on Polymeric Membrane Used in PEM Fuel Cell

MEHMET FIRAT DOĞAN

SESSION 1 - November 22, 2024 Friday (09:30 - 11:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: MEHMET KARAKAYA

17: An Evaluation of Scheduling Algorithm in MPTCP systems: A Comprehensive Survey

ATEFEH AHMADNIAI KHAJEKINI, ALİ HAKAN ULUSOY, ENVER EVER, MOSTAFA AYOUBİ MOBARHAN

32: MEASUREMENT OF AMPLITUDE PRODUCED BY VARIOUS SIZED PARTICLES IN PIEZOELECTRIC ELEMENT

NİHAT ÇANKAYA

37: Detection of Surface Defects on Cold-Rolled Galvanized Steel Using AI-Driven Image Filtering Techniques

YASİN BIYIKLI, YUSUF BAHİRİ ÖZÇELİK, AYTAÇ ALTAN

47: Investigation of Dielectric Superstrate Effects on Seljuk Star Microstrip Antenna

AYŞE ÖZGE ÇINAR AK, DİLEK UZER

104: Enhancing Device Authentication through RF Fingerprinting: Evaluating the Performance of Various Machine Learning Models

RICHMOND BOAMAH, MEHMET KARAKAYA

137: Local Anomaly Detection with Machine Learning in Embedded Systems: High Frequency Data Processing

ABDULKADİR SADAY, SÜLEYMAN CANAN, ENES ERDOĞAN

SESSION 1 - November 22, 2024 Friday (09:30 - 11:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: FATİH BAŞÇİFTÇİ

40: Silent Mode Application for Mobile Devices with Wireless Broadcast Technology

MUHAMMED ABDÜL VAHAP İSTER, AHMET CEVAHİR ÇINAR

48: A Comprehensive Overview of Mobility Prediction Mechanisms, Models and Architecture

SHİVA DEROGAR KHACHEKINI, GÜRCÜ ÖZ, ALİ HAKAN ULUSOY

52: A Comprehensive Study and Investigation of VANET Routing Protocols in ITS

MOJTEBA AYOUBI MOBARHAN, MUHAMMAED SALAMAH

79: A Simplified Rule-Based Expert System Design for Evaluation of Nephritis Related Patient Symptoms

FATİH BAŞÇİFTÇİ, KAMİL AYKUTALP GÜNDÜZ, HÜSEYİN SALİH ÖZGÖKÇE

SESSION 2 - November 22, 2024 Friday (13:30 - 15:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: ADEM GÖLCÜK

4: Uncertainty Analysis of Abdominal Aortic Aneurysm Using Monte Carlo Simulation

ÖYKÜ YAĞMUR, HÜSEYİN ENES SALMAN

86: Enhancing Automated and Early Detection of Alzheimer's Disease Using Image Processing and Machine Learning

FURKAN ŞENOL, HÜSEYİN ESAD ÖNER, MAHMUT BÜYÜKBAŞ

143: Time-Frequency Analysis of Biomedical Signals in Sleep Apnea

GÖKSU DEMİRCİ, ADEM GÖLCÜK

73: Interface optimization of MASnI3/FASnI3 based perovskite solar cells

KENAN ÖZEL, ABDULLAH YILDIZ

88: Industry 4.0 Based Customer-Oriented Unmanned Production System

AHMET SAİT MÜLAYİM, YUSUF KEREM TÜRKMEN, MERAL ÖZARSLAN YATAK

120: A Practical Evaluation of VANET Routing protocols in Modern Transportation Systems

JOSEPH MOSENGO MOSENGO, MOSTAFA AYOUBI MOBARHAN, ATEFEH AHMADNIAI KHAJEKINI, BENIE PONTE, KERENE TUZOLANA

SESSION 2 - November 22, 2024 Friday (13:30 - 15:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: MESUT KARTAL

19: Design of a Directional Coupler Based CSRR Microwave Sensor to Enhance Sensitivity

İBRAHİM GENÇ, MAHMUT AHMET GÖZEL, MESUD KAHRİMAN

77: Remote Control of Microcontroller Based Electrical Devices Using DTMF Signalling over Fixed Telephone Line

ŞERAFETDİN BALOĞLU

83: A Four-way Stripline Power Divider Design with Increased Isolation in the 500-1000 MHz Frequency Band

BETÜL ÖZEN GÜLER, MESUT KARTAL

91: Antenna and Frequency Selective Surface Design for 3.1 GHz Detect And Avoid Radar System on Unmanned Air Vehicle

MOHAMMAD HAROON AZAD, FUNDA AKLEMAN YAPAR, HÜSEYİN ŞERİF SAVCI

117: Electronic Properties of Organic Field Effect Transistor Materials

MUHAMMED SAMED GÜVEN, MUSTAFA KARAKAYA

SESSION 3 - November 22, 2024 Friday (15:30 - 17:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: AHMET KAVUKCU

11: 2-D Geometric Accuracy Investigation of Yttrium Stabilised Zirconia Ceramics Printed by Vat-Photopolymerisation

FATİH TARAK, BAŞAR ÖZKAN, EHSAN SABET

16: Mechanical Property Enhancement of 31CrMoV9 Steel through Titanium Coating by Electro-Spark Deposition Followed by Gas Nitriding

AHMET KAVUKCU, FERHAT TOSUN, BERKE GÜLTEKİN, SALİM LEVENT AKTUĞ, METİN USTA

61: Cooling Rate Effects on The Microstructure of A380 Alloy

AHMET TIĞLI

110: Controlled Morphology Transformation in NiCo₂O₄ via Hydrothermal Synthesis

BURAK KIVRAK, İ. BALCI, İ.C. KAYA, M. AKYOL, H. AKYILDIZ

97: Characterization of AA2024/CNT Nanocomposites as a Function of Milling Time and CNT Content

HAYRUNNİSA ÖZER, ÖZLEM CANPOLAT, TEMEL VAROL

SESSION 3 - November 22, 2024 Friday (15:30 - 17:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: MERYEM SEFERİNOĞLU

15: Effectiveness of Multilayer Radiation Shields: A Simulation-Based Comparison

E. AHSEN BAŞTUĞ, HASAN OĞUL

46: Assessing the Preparedness of Turkish Authorities for Nuclear Anomalies in the Context of the Akkuyu Nuclear Power Plant

HÜSEYİN ŞAHİNER

58: Impact of Plutonium Isotopes on DFR Fuel Cycle Using ThCl₄-PuCl₃ Fuel

SEMRA DAYDAŞ, ALİ TİFTİKÇİ

89: Safety Criteria for the Licensing of Molten Salt Reactors

EZGİ ÖZYÜRÜK, MERYEM SEFERİNOĞLU

90: Investigation Of Thermophysical Properties of Salt Compounds Used in Molten Salt Reactors (MSR)

EDA ALTUNTAŞ, MERYEM SEFERİNOĞLU

129: Experimental Investigation of Thrust and Flow Characteristics in Terms of Ground-Body Interaction of Reusable Vertical Take off/Landing Rocket

MADE YÜKSEL, ÜMMÜ SELEME ÖZLEN, HÜRREM AKBIYIK

SESSION 4 - November 22, 2024 Friday (17:30 - 19:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: HÜSEYİN TURAN ARAT

18: Vapor pressure reduction of gasoline-ethanol azeotropic mixtures by the addition of C3-C5 iso-alcohols
NOUR EDDİN BÜLBÜL, ABDÜLVAHAP ÇAKMAK

44: Fuel Cell and Electrical Propulsion Options of Military Vehicles
MUSTAFA TUNAHAN BAŞAR, HÜSEYİN TURAN ARAT

45: A Study on Solar-Assisted Hydrogen Production and Reutilization in Rural Areas
S. Z. SHEKARDASHT, ALİ ATEŞ

92: Four Years Update of LPG Conversion Field Status of a Spark Ignition Internal Combustion Engine Passenger Vehicle
EYÜB CANLI

102: Agrivoltaic Technology Implementation on Soybean Farms in Nigeria
HAMZE MOHAMED ABDULLAHİ, ÖMER ÖNDER ERAT, BÜLENT YEŞİLATA

SESSION 4 - November 22, 2024 Friday (17:30 - 19:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: SİNAN MARAŞ

51: Dynamic Analysis of 3D-printed ABS, PET-G and PLA Straight Beam
SİNAN MARAŞ

93: The Modal and Dynamic Analysis of Sprayer Booms with Diverse Structural Geometries
ALİ RIZA BUĞDAYCI, MUHAMMED ARİF ŞEN

101: Analyzing the Relationship between Tolerance Clearances and Centrifugal Pump Performance
SELAHATTİN SEFACI, OSMAN BABAYİĞİT

106: Automated Pressure Control System for Enhanced Safety and Environmental Protection in Liquid Transportation
TAYLAN ÖZGÜR SEVİNÇ, SERKAN GERZ, SEVGİ ALKAN, MUHARREM HİLMİ AKSOY

119: Design and Structural Analysis of a Mechanism for Positioning Heavy Vehicle Chassis
TOLGA GÜNEY, SİNAN DÜZENLİ, KASIM SERBEST

121: Structural Analysis of a Rope Slewing System for Loads with a Variable Center of Gravity
SİNAN DÜZENLİ, TOLGA GÜNEY, MÜCAHİT SOYASLAN

SESSION 1 - November 23, 2024 Saturday (09:00 - 10:30) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: MEHMET TEVFİK ÇOBANOĞLU

56: Investigation of Mechanical Properties of Parts Produced in Different Lattice Structures by Stereolithography (SLA) Additive Manufacturing Method
SALİH DAĞLI

82: Computational Methods for Dye-Sensitized Solar Cell Materials
MUSTAFA KARAKAYA, ŞÜKRÜ ÇELİK, ZARİFE SİBEL ŞAHİN, MURAT KAPUSUZ, ONUR KARAAGAÇ

85: SELECTION AND APPLICATION OF ROBOTICS PROCESS AUTOMATION IN A MEDIUM SIZED MANUFACTURING COMPANY
MEHMET TEVFİK ÇOBANOĞLU

132: SELECTION AND APPLICATION OF ROBOTICS PROCESS AUTOMATION IN A MEDIUM SIZED MANUFACTURING COMPANY
MEHMET TEVFİK ÇOBANOĞLU

118: Investigation of Radiation Shielding Performance of Boron Carbide Reinforced High-Density Polyethylene (HDPE) Composites
BATUHAN AKTAN, HAKAN US

55: Radiological Evaluation with Possible Accident Scenario of Sinop Nuclear Power Plant
ABDULLAH ZENGİN, HÜSEYİN ŞAHİNER, EKREM GÜLSEVİNÇLER

SESSION 1 - November 23, 2024 Saturday (09:00 - 10:30) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: SEMİYE DEMİRCAN

53: PAN-SHARPENING IN SATELLITE IMAGERY

DAMLANUR ALKAN, LÜTFİYE KARASAKA

54: GOOGLE EARTH ENGINE AND ITS USAGE IN REMOTE SENSING: THE CASE STUDY OF SAPANCA LAKE, TÜRKİYE

DAMLANUR ALKAN, LÜTFİYE KARASAKA

107: Time, Frequency, and Time-Frequency Feature Sets for Deep Learning Methods in Epileptic Seizure Prediction

ATAKAN DAŞDEMİR, HUMAR KAHRAMANLI ÖRNEK

112: Offline Signature Verification of Genuine Signatures: A Siamese CNN-based Majority Voting Method

ERCE ÖZTÜRK, ÖNSEN TOYGAR

113: Water Content Classification from VIS/NIR Spectroscopic Data

NURULLAH ÜRGEN, SEMİYE DEMİRCAN

114: A Lie Detection: Via Spectral Features Using “Bag of Lies”

SEMİYE DEMİRCAN, S. KUMRU

SESSION 2 - November 23, 2024 Saturday (10:30 - 12:00) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: ONUR İNAN

70: Enhancing Cryptocurrency Security: A Novel Hashing Algorithm Framework - Mirror

ADEM ALPASLAN ALTUN

71: Optimizing Customer Prediction Using Apache Spark: A Comparative Analysis of Machine Learning Algorithms

ADEM ALPASLAN ALTUN

76: Importance of Artificial Intelligence Applications in Food Industry

RABİA SERPİL GÜNHAN

22: Investigation of Recovery of Some Food Components by Using Supercritical Carbon Dioxide Extraction Method

SEVİL YILDIZ, SÜHEYLÂ TONGUR, RABİA SERPİL GÜNHAN

105: A Review of the Developments and Applications of Artificial Hummingbird Algorithm in Optimization

ESMA ÖZEL, ONUR İNAN

115: Application of Deep Learning-Based Transfer Learning Models in Monkeypox Diagnosis

MUSTAFA KEMAL TOPÇU, ONUR İNAN

131: Innovative End Effector Design for Robotic DNA Extraction Applications

BURAK YILMAZ, VEYSEL FIRAT

SESSION 2 - November 23, 2024 Saturday (10:30 - 12:00) (GMT +3) - Virtual Room 2
(<https://zoom.us/j/4426059103>)

Session Chair: SEMA SERVİ

28: A NOVEL HYBRID ALGORITHM: ENHANCING TUNA SWARM OPTIMIZATION WITH CUCKOO SEARCH FOR GLOBAL OPTIMIZATION

NESİBE ŞAHİN, SEMA SERVİ

95: DETECTION OF PLANT DISEASES WITH DEEP LEARNING FOR PRODUCTIVITY AND SUSTAINABILITY IN AGRICULTURE

ŞEYMA TAS, AHMET GÜREL, MEHMET EREN, ÖZLEM DİLEK ACAR, SEMA SERVİ, ONUR İNAN

125: A PERFORMANCE COMPARISON OF DIFFERENT MACHINE LEARNING ALGORITHMS TO FORECAST WIND ENERGY IN TURKIYE

ONUR İNAN, SEMA SERVİ, FATİH YILMAZ, İSMAİL ARSEL, AHMET PEKGÖR, AŞIR GENÇ, GALİP OTURANÇ

126: ALTERNATIVE DISTRIBUTIONS IN WIND SPEED FORECASTING AND A COMPARISON

FATİH YILMAZ, AHMET PEKGÖR, İSMAİL ARSEL, SEMA SERVİ, ONUR İNAN, AŞIR GENÇ, GALİP OTURANÇ

63: Explainable Deep Learning for Skin Cancer Detection Using DenseNet121 and Grad-CAM

HAVVA HAZEL ARAS, NURETTİN DOĞAN

59: Malware and Their Remote Control in the Context of Detection and Prevention of Global Threats

NURETTİN DOĞAN, ZEYNEP BAKIRTEMİZLER AYDIN

64: An Enhanced Image Encryption Model Using Chaotic Maps and Optimization Algorithms

AHMET FATİH KAZANKAYA, NURETTİN DOĞAN

147: Android Permission Analysis and Malware Detection using Machine Learning Methods

MUHAMMED TALHA ÇALIŞ, ZÜLEYHA YILMAZ ACAR

SESSION 3 - November 23, 2024 Saturday (13:00 - 14:30) (GMT +3) - Virtual Room 1
(<https://zoom.us/j/9494068374>)

Session Chair: ÖNDER HALİS BETTEMİR

138: Implementation of Earned Value Analysis for Construction Cost and Duration Control

AYŞE NUR ŞENGÜL, NEZİR DOĞAN, ÖNDER HALİS BETTEMİR

139: Heuristic Algorithm for the Solution of Discrete Time Cost Trade-off Problem

AYŞE NUR ŞENGÜL, NEZİR DOĞAN, ÖNDER HALİS BETTEMİR

140: Digital Twin Implementation Opportunities for Civil Engineering Applications

MERVE KAYA, ÖNDER HALİS BETTEMİR, MEHMET FATİH ACAR

141: Assessment of Schedule Variances by Monte Carlo Simulation

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