

DAY I	26-Apr-19	LOCATION
09:30-10:30	Registration	Bera Hotel Conference Halls
10:30-10:45	Opening Speech	
10:45-11:00	Speech of Protocol	
11:00-11:40	Keynote Speech: Dr. Andrey Kravchenko University of Oxford, UK	
11:40-11:50	Coffee Break	
11:50-12:30	Keynote Speech: Dr. Andrew D. Bagdanov University of Florence, Italy	
12:30-14:00	Lunch	
14:00-15:15	Author Presentation Session 1	
15:15-15:30	Coffee Break	
15:30-17:00	Author Presentation Session 2	
ICATCES'19 PROGRAMME 27 Apr 2019		
DAY II	27-Apr-19	LOCATION
09:30-10:10	Keynote Speech: Dr. Mehmet Emin Aydin University of the West of England, UK	Bera Hotel Conference Halls
10:10-10:20	Coffee Break	
10:20-11:00	Keynote Speech: Dr. Adib Habbal Karabuk University, Turkey	
11:00-11:15	Coffee Break	
11:15-12:30	Author Presentation Session 3	
12:30-14:00	Lunch	
14:00-14:30	Keynote Speech: Dr. Mustafa Servet Kiran Konya Technical University, Turkey	
14:30-14:45	Coffee Break	
14:45-16:15	Author Presentation Session 4	
16:30-17:00	Award Ceremony	

**INTERNATIONAL CONFERENCE ON
ADVANCED TECHNOLOGIES,
COMPUTER ENGINEERING
AND SCIENCE**
Alanya, TURKEY

26-28 April 2019

Submission Deadline
30 March 2019

Registration Deadline
12 April 2019

Participation & More Information Please Visit
WWW.ICATCES.ORG

ICATCES 2019

Logos: KAU, KUTLUK, INDEXIVE, HANCI, and others.

ORAL PRESENTATIONS	
SESSION 1	
Chair : Yusuf Yargı BAYDILLI	
Saloon 1 - 26.04.2019 - 14:00-15:15	
Theme: Image Processing	
ID	TITLE
11	Improving classification performance on microscopic images using Generative Adversarial Networks (GAN)
35	ANALYZING OF THE WOUND HEALING BY IMPLEMENTING IMAGE PROCESSING ALGORITHMS ON FPGA
36	Speckle Reduction in Images Using Non-Local Means Filter and Variational Methods
48	Real time activity recognition using weighted dynamic time warping
33	Remote Controlled Vehicle for Surface and Underground Object Detection
99	ESTIMATION RELATIONSHIP BETWEEN ELECTRICITY CONSUMPTION AND URBAN AREA FROM NIGHT SATELLITE IMAGERY: A CASE STUDY FOR ISTANBUL
27	Classification of Flower Species Using Convolutional Neural Networks

ORAL PRESENTATIONS	
SESSION 1	
Chair : Kürşat Mustafa KARAÖĞLAN	
Saloon 2 - 26.04.2019 - 14:00-15:15	
Theme: Deep Learning	
ID	TITLE
54	Real-Time Diseases Detection of Grape and Grape Leaves using Faster R-CNN and SSD MobileNet Architectures
41	Improved Network Intrusion Detection System Using Deep Learning
88	Sentiment Analysis for Hotel Reviews with Recurrent Neural Network Architecture
71	Prediction of Absenteeism at Work with Machine Learning Algorithms
49	Automated Diagnosis of Tuberculosis using Deep Learning Techniques
97	A system based on image processing and deep CNN features for classification of defective fruits

ORAL PRESENTATIONS	
SESSION 1	
Chair : Hallı YETGIN	
Saloon 3 - 26.04.2019 - 14:00-15:15	
Theme: Optimization	
ID	TITLE
13	A Survey of Joint Routing and Energy Optimization Techniques for Underwater Acoustic Sensor Networks
30	An Application of Artificial Bee Colony Algorithm to Fatigue Life Estimation of Magnesium Alloy
52	An Improved Crow Search Algorithm for Continuous Optimization Problems
42	Analysis of Electronic Countermeasures Effects on AirDefense Systems
85	Performance Evaluations of Meta-Heuristic Algorithms On Solving Group Elevator Control Problem
81	Performance Comparison between Genetic Algorithm and Ant Colony Optimization on Traveling Salesman Problem

ORAL PRESENTATIONS	
SESSION 2	
Chair : Yasin ORTAKCI	
Saloon 1 - 26.04.2019 - 15:30-17:00	
Theme: Bioinformatics	
ID	TITLE
70	On forecasting ability of a logistic model for prostate cancer under intermittent androgen suppression therapy
76	Comparison of Classification Algorithms on Heart Disease Data
78	ECG Signal Classification with Neural Network Ensemble
72	Detection of Wart Treatment Method Using Machine Learning Algorithms
73	Detecting Student Engagement in e-learning Environment Based on Head Pose Estimation and Eye Aspect Ratio
98	Functional Brain Network Analysis Under Cognitive Task

ORAL PRESENTATIONS	
SESSION 2	
Chair : Caner ÖZCAN	
Saloon 2 - 26.04.2019 - 15:30-17:00	
Theme: Information Technology	
ID	TITLE
67	A Suggestion for Electronic Election System Based on Blockchain
68	Assessing the Architectural Quality of Software Projects from an Organizational Perspective
83	Game Design for Rehabilitation of Children with Disabilities by Using Depth Sensor
15	Prioritizing Manual Black-box Tests Using Topic Modeling
55	Increasing Air Traffic Control Efficiency With Integrated Human Machine Interface
108	Performance Comparison of Classification Algorithms in Terms of Model Performance Criteria in Data Mining Applications

ORAL PRESENTATIONS	
SESSION 2	
Chair : Oğuzhan MEMENÇİOĞLU	
Saloon 3 - 26.04.2019 - 15:30-17:00	
Theme: Complex Networks & Data Mining	
ID	TITLE
40	Privacy Scoring Over Professional OSNs: More Central Users are Under Higher Risk
93	Recent Advances and Future Trends in Industrial Communication Networks: M2M, IoT and Interoperability Issues
34	Raspberry Pi Based Personalized Encoding ID System Inspired by the Quick Response Code Software and Hardware Design
62	The usage statistics of new HTML5 semantic elements in the CueWeb12 dataset
100	An Approach of Similarity Evaluation Among Attacks of Web Application Vulnerability Tampering Attacks

ORAL PRESENTATIONS	
SESSION 3	
Chair : Reha Metin ALKAN	
Saloon 1 - 27.04.2019 - 11:15-12:30	
Theme: GIS & IoT	
ID	TITLE
92	The Importance of Geospatial Data in the Smart City
94	Internet of Things based Remote Monitoring System Design for Industrial Plants
4	3D Scene Reconstruction using a Swarm of Drones
29	Development of a Smart Helmet for Digital Data Collection and Applications on Construction Sites
12	Android Secure Camera Application
82	A Recommendation System for Seattle Public Library Using Naïve Bayes Classifier
95	Server Based Indoor Location and Navigation Using Beacon Devices
75	A Conceptual Design for Managing Internet of Things Devices in Emergency Situations

ORAL PRESENTATIONS	
SESSION 3	
Chair : Ayşe Salıha SUNAR	
Saloon 2 - 27.04.2019 - 11:15-12:30	
Theme: Information Technology	
ID	TITLE
87	Can we Fight Social Media with Multimedia Learning Systems?
18	Increasing the use of Digital Banking Applications for the Baby Boomer Generation by Easy Interface
9	Detection of P300 ERP Waves by Different Classification Methods
14	Investigating Personalised Applications in MOOCs: the challenge of achieving transparency
37	Unification of IT Process Models into a Simpler Framework
39	An IoT based Mobile Radar System
46	Web and Mobile Based Online Joint Working Platform Development for University Students
44	Human Computer Interaction with One-Shot Learning

VIRTUAL PRESENTATIONS	
SESSION 3	
Chair : Yusuf Yargı BAYDILLI	
Saloon 3 - 27.04.2019 - 11:15-12:30	
Theme: Advanced Science	
ID	TITLE
2	Local statistical features for multilingual artificial text detection from video images
3	Real Time Distributed Controller For Delta Robots
20	An overview of Captcha Systems and Bypassing Math Captcha
21	A Review on Nvidia GauGan
23	A simulation based harmony search algorithm for part routing optimization problem
28	Multi Class Tag Prediction on Stack Overflow Dataset
50	A Mobile Indoor/Outdoor Augmented Reality Application for Architecture
31	Reassembly of Synthetically Fractured Objects
32	Classification of EEG patterns by using Katz Fractal Dimension
69	An Overview on Data-Driven Prognostic Methods of Li-Ion Batteries
45	Face Detection Using Forensic Software and Deep Learning Methods on Images and Video Files

ORAL PRESENTATIONS	
SESSION 4	
Chair : Elif VURAL	
Saloon 1 - 27.04.2019 - 14:45-16:15	
Theme: Machine Learning	
ID	TITLE
22	Learning Semi-Supervised Nonlinear Embeddings for Domain-Adaptive Pattern Recognition
26	Tree-Seed Programming for Symbolic Regression
24	An Automated Deep Learning Approach for Bacterial Image Classification
61	Image Processing on Electrophoresis Image with Embedded System
102	Feature Selection for Text Classification Based on Term Frequency and Inter-Class Standard Deviation
6	Comparison of machine learning algorithms for franchise approval
106	Removing Redundant Primes in Multiple-Valued Logic Cover by Cube Algebra
107	Detecting Point Mutations in Next-generation Sequencing Data

ORAL PRESENTATIONS	
SESSION 4	
Chair : Ashraf AOAD	
Saloon 2 - 27.04.2019 - 14:45-16:15	
Theme: Computer Networks	
ID	TITLE
56	IP Packet Marking and Forwarding Based on Content Type with SDN
77	NetCar: A Testbed for Mobile Sensor Networks
19	Modeling and Simulation of a Reconfigurable Microstrip Antenna for Wireless Communication and Mobile
64	Node Weighting Method in Centrality Measure of Complex Networks
74	Deep Learning Based Web Application Security
57	Evaluation of Student Academics Performance via Machine Learning Algorithms
103	Classification of Solution Analyzes for the elimination of security requirements in IoT's operating in Cyber Physical System (CPS)
101	Criminological Evaluation of Cyber Attacks on Information and Network Security
105	Digital Forensics in Social Media: Evaluation in the Context of System, Informatics, Network and Cyber Security

VIRTUAL PRESENTATIONS	
SESSION 4	
Chair : İdris KAHRAMAN	
Saloon 3 - 27.04.2019 - 14:45-16:15	
Theme: Advanced Science	
ID	TITLE
86	Gyroscope-Accelerometer Controlled Smart Disabled Wheelchair
96	The Optimization of The Process of Recognition Fingerprint Through The MinutiaeTechnique
59	An Automated GIS Tool For Property Valuation
63	Intelligent Examination Glove System Design for Use in Medical Education and User Interface Application
65	Brain Tumor Detection via Active Contours and Scale Invariant Feature Transform
66	Spatial Preference System For Roads Maintenance
80	spatial preferences decision support tool for historical building restoration
89	Satellite Images Classification in Geographic Information Systems
90	Machine Learning And Satellite Images For Agricultural Areas Determination
53	TDMA scheduling for real-time flows in cluster-based wireless sensor networks
58	Deep Learning Approaches for Traffic Flow Predictions on Signal-controlled intersections
91	Securing TLS from MITM Incursion using Diffie-Hellman