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**The International Conference on Engineering & Technology - by  
IARES**

**ICET'2017**

**Sponsored by IEEE, and IARES**

August 21-23, 2017

Antalya, Turkey

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The IEEE ICET 2017 will take place in Main Campus - Akdeniz University, Antalya, Turkey. The campus area is 1.5 km away from the intercity bus terminal. The campus is close to the city centre, and there are no transport problems for the employees or students of the university because buses come and go at regular intervals from every part of the city centre.



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<b>First Day, Monday – 21<sup>st</sup> August, 2017</b>		
Registration	Registration Room	08:30 – 09:30
Opening Ceremony	Olbia Conference Hall-A	09:30 – 10:00
Opening Reception and Coffee Break	[Coffee Break Area]	10:00 - 10:30
Keynote Speech One: Prof. Victor Chang	Olbia Conference Hall-A	10:30 - 11:15
Keynote Speech Two: Dr. Omer Fatih SAYAN	Olbia Conference Hall-A	11:15 - 12:00
Parallel Sessions (S1)	FACULTY SEMINAR HALL	12:00 – 01:30
Parallel Sessions (S2)	Faculty of Engineering: Amfi-1	12:00 – 01:30
Parallel Sessions (S3)	Faculty of Engineering: Amfi-2	12:00 – 01:30
Lunch Break	University Restaurant	01:30 – 02:30
Parallel Sessions (S4)	FACULTY SEMINAR HALL	02:30 – 04:00
Parallel Sessions (S5)	Faculty of Engineering: Amfi-1	02:30 – 04:00
Parallel Sessions (S6)	Faculty of Engineering: Amfi-2	02:30 – 04:00
Posters Session	FACULTY SEMINAR HALL	02:30 – 04:00
<b>Second Day, Tuesday – 22<sup>nd</sup> August, 2017</b>		
Registration	Registration Room	08:30 – 09:00
Parallel Sessions (S7)	FACULTY SEMINAR HALL	09:00 – 11:00
Parallel Sessions (S8)	Faculty of Engineering: Amfi-1	09:00 – 11:00
Parallel Sessions (S9)	Faculty of Engineering: Amfi-2	09:00 – 11:00
Coffee Break	[Coffee Break Area]	11:00 – 11:30
Parallel Sessions (S10)	FACULTY SEMINAR HALL	11:30 – 01:00
Parallel Sessions (S11)	Faculty of Engineering: Amfi-1	11:30 – 01:00
Parallel Sessions (S12)	Faculty of Engineering: Amfi-2	11:30 – 01:00
Posters Session	FACULTY SEMINAR HALL	11:30 – 01:00
Lunch	University Restaurant	01:00– 02:30
<b>Third Day, Wednesday – 23<sup>rd</sup> August, 2017</b>		
<b>Social Event will be indicated later</b>		
<b>The Attendee should contribute in the cost of this social event by small amount will be determined later</b>		
<b>Conference End</b>		



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**Session 1: Internet of Things (IoT) and Cloud Computing,  
[FACULTY SEMINAR HALL], Monday – 21, August, 2017, 12:00 – 01:30,  
Session Chair: Dr. Fadi Al-Turjman**

1	Hossein Azar and Mohammad Reza Majma	Using a multi criteria decision making model for managing computational resources at mobile ad-hoc cloud computing environment
2	Yahia Al-Halabi, Nisreen Raeq and Farah Abu-Dabaseh	Study on Access control approaches in the context of IoT:A survey
3	Fadi Al-Turjman	Positioning in the Internet of Things Era: An Overview
4	Qusai Abuein, Ali Shatnawi and Huda Al-Sheyab	TRUSTED RECOMENDATION SYSTEM BASED ON LEVEL OF TRUST(TRS_LoT)
5	Hajar Ziglari	Evaluating Cloud Deployment Models Based on Security in EHR System
6	Alia Sabri	A Proposed Social Web of Things Business Framework
7	Fadi Wedyan, Reema Freihat, Suzan Wedyan, Hani Bani-Salameh and Hala Yousef	Domain Analysis of Formal Model Checking Tools

**Session 2: Software Engineering,  
[Faculty of Engineering: Amfi-1], Monday – 21, August, 2017, 12:00 – 01:30,  
Session Chair: Dr. Victor Chang**

1	Samer Al-Khazraji and Siobhán North	The Emergence Computation of Overflow in Dynamic XML Tree Based Prefix and Interval Labelling Schemes
2	Bob Duncan, Mark Whittington and Victor Chang	Enterprise Security and Privacy: Why Adding IoT and Big Data Makes It So Much More Difficult
3	Muhammad Faraz Shaikh, Zoran Salcic, Kevin I-Kai Wang and Patrick Aiguo Hu	Walking Direction Detection based on Acceleration Trend Pattern for Improved Foot Drop Stimulators
4	Jian Sun, Luyang Tang, Dan Liao, Victor Chang	An Efficient Method for Extracting Web News Content
5	Jian Sun, Xiang Zhang, Dan Liao, Victor Chang	Efficient Method for Feature Selection in Text Classification
6	Farah Dhib Tatar and Mohsen Machhout	The Performance of DSP in Fingerprint Processing
7	Chien-Ting Kuo, Victor Chang and Chin-Laung Lei	A Feasibility Analysis for Edge Computing Fusion in LPWA IoT Environment with SDN Structure
8	Seda Kul, Süleyman Eken and Ahmet Sayar	A concise review on vehicle detection and classification

**Session 3: Evolutionary Computation and Soft Computing,  
[Faculty of Engineering: Amfi-2], Monday – 21, August, 2017, 12:00 – 01:30,  
Session Chair: Prof. Dr. Oguz Bayat**



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1	Haydar Ankishan	A NEW APPROACH FOR THE ACOUSTIC ANALYSIS OF THE SPEECH PATHOLOGY
2	Saad Albawi, Tareq Abed Mohammed and Saad Al-Azawi	Understanding of a Convolutional Neural Network
3	Bahadir Ucan and Mehmet Emin Kahraman	IDENTIFICATION AND SEPERATION OF TURKISH AND AUSTRALIAN CARTOONS BY NEURAL NETWORKS METHODS
4	Siddhaling Urolagin, Jagadish Nayak and Likitha Satish	A Method to Generate Text Summary by Accounting Pronoun Frequency for Keywords Weightage Computation
5	Ahmed Abbas, Tareq Mohammed, Oguz Bayat and Osman Ucan	The Prediction of fusion degree of International groups from their Twitter accounts
6	Husam Alsaadi, Layth Almajmaie and Wisam Ali	Forecasting of Twitter Hashtagh Temporal Dynamics Using Locally Weighted Projection Regression

**Session 4: Data Engineering,  
[FACULTY SEMINAR HALL], Monday – 21, August, 2017, 02:30 – 04:00,  
Session Chair: Dr. Hamza Feza Carlak**

1	Saloua Marhraoui, Ahmed Abbou, Nezha El Hichami and Salaheddine Rhaili	Solar MPPT for Stepper Motor- Drive using in Industrials Applications
2	Tareq Abed Mohammed Mohammed, Shaaban Sahmoud and Oguz Bayat	Efficient Hybrid Memetic Algorithm for Multi-Objective Optimization Problems
3	Samer Al-Khazraji and Siobhán North	Relevance Comparison between Interval and Prefix Labelling Schemes
4	N. Onur Bakir	Wealth Sensitivity of the Expected Value of Atomic Information Under the Expected Utility Increase Approach
5	bdellah Ziouh and Ahmed Abbou	Comparison of ripple correlation control and fuzzy logic MPPT algorithms in space climate conditions for Nimbus 2 satellite application
6	Haydar Ankishan and Ahmet Turgut Tuncer	A new portable device for the snore/non-snore classification
7	Rafika El Idrissi, Ahmed Abbou, Mahdi Salimi and Salahddine Rhaili	Maximum Power Point Tracking of Photovoltaic Systems using Backstepping Controller

**Session 5: Data Engineering,  
[Faculty of Engineering: Amfi-1], Monday – 21, August, 2017, 02:30 – 04:00  
Session Chair: Dr. Burak Şahan**

1	Mariem Atoui, Kaouther Ibn Taarit and Moufida Ksouri	PARITY SPACE-BASED FAULT DETECTION FOR NETWORKED CONTROL SYSTEMS WITH PACKET DROPOUT.
2	Ali Farzamnia	Channel Estimation for Sparse Channel OFDM Systems using Least Square and Minimum Mean Square Error Techniques



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3	Haris Mehmood, Hisham Nasser, Engin Özkol, Tauseef Tauqeer, Shahzad Hussain and Raşit Turan	Physical Device Simulation of Partial-Dopant-Free Asymmetric Silicon Heterostructure Solar Cell (P-DASH) based on Hole-selective Molybdenum Oxide (MoOx) with Crystalline Silicon (cSi)
4	Burak Şahan, Cihan Yolcu and Savaş Şahin	Hardware Design of Industrial Android Tablet for Fare Collection Based on ARM Embedded System
5	Burak Şahan, Cihan Yolcu and Savaş Şahin	Energy Consumption and Boot Time Performances of Kentkart Industrial Tablet on Android Platform

**Session 6: Modern Integrated Circuits and Systems (MICS),  
[Faculty of Engineering: Amfi-2], Monday – 21, August, 2017, 02:30 – 04:00,  
Session Chair: Dr. Ahmet Dumlu**

1	Sajad Rezazadeh, Haleh Sadeghi and Nima Ahmadi	Numerical Investigation of Step-liked Bipolar Plates Effect on Proton Exchange Membrane Fuel Cell Performance
2	Siwar Ben Haj Hassine and Bouraoui Ouni	Synchronous System design for a high speed treatment and optimized dynamic power
3	Kayhan Ates and Hamza Feza Carlak	Dosimetry Analysis of the Human Head Model Due to Mobile Phone Usage at Gsm-900 Frequency Band
4	Ahmet Dumlu, Aliriza Kaleli, Köksal Erentürk and Kağan Koray Ayten	Model-based sliding mode control technique for the stewart platform mechanism
5	Kagan Koray Ayten, Ahmet Dumlu, Aliriza Kaleli and Nur Hüseyin Kaplan	Real time parameter estimation and experimental validation of adaptive self-tuning regulator for the liquid level control process
6	Aliriza Kaleli, Galip Kaltakıran, Ahmet Dumlu and Kagan Koray Ayten	Design and Control of Intelligent Cooling System for IC Engines
7	Yassine Jandi, Fatima Gharnati and Ahmed Oulad Said	Seven bands Loop antenna optimized by using particle swarm optimization algorithm

**Session 7: Software Engineering,  
[FACULTY SEMINAR HALL], Tuesday – 22 August, 2017, 09:00 – 11:00  
Session Chair: Dr. Gulmira Bekmanova**

1	Mohannad Ayyash	Proposing A Model for Social Media Networks Adoption in Education
2	Assel Omarbekova, Altynbek Sharipbay, Gulmira Bekmanova, Gulbarshyn Nurgazinova and Alibek Barlybayev	Automatic formation of questions and answers on the basis of the knowledge base
3	Gulmira Bekmanova, Altynbek Sharipbay, Assel Omarbekova, Gaziza Yelibayeva and Banu Yergesh	Adequate assessment of the customers' actual reviews through comparing them with the fake ones
4	Osama Abusaid and Fathi Salem	Kullback-Leibler Divergence Minimization For Competitive Learning of Self-Organizing Maps



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5	Gilles Bernard and Georges Lebbos	Methods for word encoding: a survey
6	Kemal Kandemir, Cagdas Topcu and Hamza Feza Carlak	Assessment of Respiratory Responses to Emotional Virtual Reality Stimuli with Non-contact Respiration Monitoring System
7	Elif Cay, Yeliz Mert, Ali Bahcetepe, Bugra Kagan Akyazi and Arif Selcuk Ogrenci	Beacons for Indoor Positioning

**Session 8: Networks, Communication and Security,  
[Faculty of Engineering: Amfi-1], Tuesday – 22 August, 2017, 09:00 – 11:00  
Session Chair: Dr. Omer Fatih SAYAN**

1	Alaa Salemdawod	Water and Air Quality in Modern Farms Using Neural Network
2	Mandisa Nxumalo, Ijeoma Mba and Matthew O. Adigun	Comparative study for control plane scalability approaches in SDN productive network
3	Abdilbaree Talib and Nuran Dogru	Signature recognition by using SIFT and SURF with SVM basic on RBF for voting online
4	Karim Zkik, Ghizlane Orhanou and Said El Hajji	A new secure framework in WSNs using ECC: Medical application
5	Husam Alzaq and Burak Berk Üstündağ	A Comparative Analysis of Multiplier-less Discrete Wavelet Transform Implementations on FPGAs
6	Nezha El Hichami, Ahmed Abbou, Saloua Marhraoui and Salaheddine Rhaili	Comparison between both Commands Photovoltaic MPPT of the system : algorithm P&O and IncCond, using converter BOOST
7	Nur Hüseyin Kaplan, Kagan Koray Ayten and Ahmet Dumlu	Real-time Dehazing via Multiscale Products for Vision Control

**Session 9: Software and Data Engineering,  
[Faculty of Engineering: Amfi-2], Tuesday – 22 August, 2017, 09:00 – 11:00,  
Session Chair: Dr. Mohammed Shatnawi**

1	Mohammed Shatnawi, Hashem Al-Natour and Muneer Bani Yasin	Customer Relationship Management At Jordan University of Science and Technology: Case Study, Issues and Recommendations
2	Fadia Noori Hummadi Al-Nuaimy	Design and implementation of deaf and mute people interaction system
3	Abdellatif Abu-Issa, Yassmeen Salman, Huda Nawawreh and Laila Shreteh	A Multitype, Proactive, and Context-Aware Recommender System
4	Ihsan Salman, Adil Deniz Duru, Khalid Shaker, Baraa Abed and Hadeel Saleh	Evaluation and Measuring Classifiers of Diabetes Diseases
5	Nisreen Abo Dabowsa, Nasser Amaitik, Abdelsalam Maatuk and Shadi Aljawarneh	A Hybrid Intelligent System for Skin Disease Diagnosis
6	Ali Benafia, Smaine Mazouzi and Sara Benafia	Proposition of a Graphic Model with Features for Handwritten Character Recognition



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7	Furkan Akar	A Bidirectional Multi-Phase Multi-Input DC-DC Converter
8	Uygar Gunes, Ovunc Elbir, Seyma Akyurek, Cosku Kasnakoglu and Unver Kaynak	Power Loss Recovery Autopilot System for Fixed-Wing Aircraft

**Session10: Software Engineering,  
[FACULTY SEMINAR HALL], Tuesday – 22 August, 2017, 11:30 – 1:00,  
Session Chair: Dr. Murat Taşkıran**

1	Abdulbasit Alazzawi, Osman Ucan and Oguz Bayat	Face Recognition System Based on Multi-Features Extractors
2	Murat Taşkıran and Sibel Çimen	Recognition of American Sign Language with Discrete Wavelet Transform
3	Mustapha Esghir, Ouafaa Ibrihich, Safaa Elgharbi, Said El Hajji and Mouna Essaouini	Solving large linear systems with multiple right hand sides
4	Omar Sabri and Fahad Alfifi	Integrating Knowledge Life Cycle within Software Development Process to Produce a Quality Software Product
5	Hani Fadhil, Ali Hussain and Musa Kadhim	High Impedance Fault Detection Based on Power Spectrum Techniqu
6	Fatin Azeez, Oguz Bayat and Osman Nuri Ucan	Quality of Remote Sensing Data for Extracting Water Body
7	Hasan Rashaideh, Abdullah Tweqat and Majdi Bsaiso	SURF Features and Bag of Words for Arabic Handwritten Words Recognition

**Session 11: Modern Integrated Circuits and Systems (MICS),  
[Faculty of Engineering: Amfi-1], Tuesday – 22 August, 2017, 11:30 – 1:00,,  
Session Chair: Dr. Şeyma Akyürek**

1	Mohammed Ali Jallal, Samira Chabaa, Abdelouhab Zeroual, Abdessalam El Yassini and Saida Ibnyaich	Box-Jenkins approach for modeling the global solar radiation time series
2	Şeyma Akyürek, Cosku Kasnakoglu and Unver Kaynak	Aircraft Dynamics Modeling and Autopilot Design Using Loop Shaping Method
3	Mohammed Safar and Serkan Özbay	Real-Time Sign Languages Recognition based on Hausdorff distance, Hu invariants and Neural Network
4	Mahmood Zaki Abdullah and Zinah Jamal Khaleefah	Design and implement of a hybrid cryptography textual system
5	Mohamed Elghazal, Shehabeddin Younis and Mohamed Musbah	Applying Location Based Services for Reducing Mobile Power Consumption
6	Muntaser Salman, Suat Ozdemir and Fatih Celebi	Traffic Delay Estimation With V2X Communication For An Isolated Intersection

**Session12: Networks, Communications and Security,  
[Faculty of Engineering: Amfi-2], Tuesday – 22 August, 2017, 11:30 – 1:00,,  
Session Chair: Dr. Osama Abusaid**



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1	Osama Abusaid and Fathi Salem	Self-Organizing Techniques to Resource Block Scheduling in LTE-A Communication Systems
2	Melih Burak Çoşkun, Oguz Bayat and Osman Nuri Ucan	DEVELOPMENT AND EVALUATION OF THE AUTHENTICATION SYSTEMS BY USING PHASE-ONLY CORRELATION PALM PRINT IDENTIFICATON METHODS
3	Hajar Bouazza, Omar Zerzouri, Mohsine Bouya and Abdelkader Hadjoudja	A Novel RFID System for Monitoring Livestock Health State
4	Ouafaa Ibrihich, Mustapha Esghir, Salah-Ddine Krit and Said El Hajji	A New Secure Solution for Clustering in Wireless Sensors Networks Based on LEACH

### Posters:

- 1) Mohamed Salah Medjram and Mounira Rouainia, Effect of the microwave field on the reforming reactions, catalyzed by Pt / Al<sub>2</sub>O<sub>3</sub>
- 2) Mounira Rouainia and Nadjet Djabri, Artificial Neural Networks Based Air Pollution predicting in industrial sites
- 3) Muneer Bani Yassein, Shadi Aljawarneh, Ethar Qawasmeh and Yaser Khamayseh, Comprehensive Study of Symmetric Key and Asymmetric Key Encryption Algorithms
- 4) Yousef Hassouneh, Iyad Tumar and Abdellatif Abu-Issa, Case Study About Capturing Uncertainty in Adaptive Intelligent Transportation Systems
- 5) Mohsen Maraoui, Ons Nasfi, Smart Tools for Cloud E-learning System
- 6) Ahmed Nouredine Helal, Sofien Benltoufa; Fadhel Jaafar; Mohsen Maraoui, Lamia Said; Mounir Zili; Hassen Hedfi; Mohamed Labidi; Abdelkader Bouzidi; Bisma belhaj jrad; Hedi Belhadj Salah, From Smart Campus to Smart City: Monastir Living Lab
- 7) Abdelkader Kirad and Toufik Zebbiche. An application on airfoils of shear stress computation in a complex cross section subjected to a shear force.
- 8) Muneer Bani Yassein, Shadi Aljawarneh and Rasha Al-Huthaifi. Enhancements of LEACH Protocol: Security and Open Issues