



The International Conference on Engineering & MIS - by IARES

ICEMIS'2018

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June 19-20, 2018

Istanbul, Turkey

<http://iares.net/Conference/ICEMIS2018>

The ICEMIS 2018 will be held at the AltinBas University, Main Campus

**First Day, Tuesday – 19th June, 2018**

Registration	Registration Room	08:30 – 09:30
Opening Ceremony	[Mehmet Altınbaş Conference Hall]	09:30 – 10:00
Opening Reception and Coffee Break	[Coffee Break Area]	10:00 - 10:30
Keynote Speech One: Dr. Ömer Sayan	[Mehmet Altınbaş Conference Hall]	10:30 - 11:15
Keynote Speech Two: Doç.Dr. Ersin Göse	[Mehmet Altınbaş Conference Hall]	11:15 - 12:00
Parallel Sessions (S1)	[Mehmet Altınbaş Conference Hall]	12:00 – 02:00
Parallel Sessions (S2)	[D blok 601]	12:00 – 02:00
Lunch Break	[University Restaurant]	02:00 – 03:00
Parallel Sessions (S3)	[Mehmet Altınbaş Conference Hall]	03:00 – 05:00
Parallel Sessions (S4)	[D blok 601]	03:00 – 05:00
Posters Session	Hall	03:00 – 05:00

Second Day, Wednesday – 20th June, 2018

Registration	Registration Room	08:30 – 09:00
Parallel Sessions (S5)	[Mehmet Altınbaş Conference Hall]	09:00 – 11:00
Coffee Break	[Coffee Break Area]	11:00 - 11:30
Parallel Sessions (S6)	[Mehmet Altınbaş Conference Hall]	11:30 – 01:30
Lunch	[HASKRAL HATAY SOFRASI, Aksaray- Fatih / İstanbul]	01:30 - 04:00
Posters Session	Hall	09:30 – 03:30

Conference End

**Session 1: Internet of Things (IoT), Big Data and Cloud Computing,
[Mehmet Altınbaş Conference Hall], Tuesday – 19th, June, 2018, 12:00 – 02:00,
Session Chair: Dr. Juan Alfonso Lara**

1	Khaoula Karimi and Salahddine Krit	A Study of the Implementations Design of Smart Homes/Smart Phones Systems
2	Hicham El Bousty, Salah-Ddine Krit, Mohamed Elaskri, Hassan Dani, Khaoula Karimi, Kaoutar Bendaoud and Mustapha Kabrane	Investigating Business Intelligence in the era of Big Data: concepts, benefits and challenges.
3	Abdessamad Badouch, Mustapha Kabrane, Khaoula Karimi and Salahddine Krit	Augmented Reality services implemented within Smart Cities, based on an Internet of Things Infrastructure: Concepts and Challenges
4	Samia Gamoura, Manisha Malhotra, Halil-Ibrahim Korusu and Derrouiche Ridha	Adaptive Management Approach for more Availability of Big Data Business Analytics

5	Shafiq Rehman	SmartChair: A Realization of Smart Health Care System based on Cyber-Physical Systems
6	Ahmed Maarof, Mohamed Senhadji, Zouheir Labbi and Mostafa Belkasmi	Authentication Protocol for Securing Internet of Things
7	Victor Ramperez, Javier Soriano, David Lizcano and Juan Alfonso Lara	An Innovative Approach to Improve Elasticity and Performance of Message Brokers for Green Smart Cities
8	Burak Karaduman, Tansu Aşıcı, Moharram Challenger and Raheleh Eslampanah	A Cloud and Contiki based Fire Detection System using Multi-Hop Wireless Sensor Networks
9	Zouheir Labbi, Mohamed Senhadji, Ahmed Maarof and Mostafa Belkasmi	IoT Smart Homes based on RFID Technology: Localization Systems

Session 2: Data Mining & Evolutionary Systems
[D blok 601] Tuesday – 19th, June, 2018, 12:00 – 02:00,
Session Chair: Dr. Vangipuram Radhakrishna

1	Sefer Kurnaz and Raya Mahmood	Methodology Preview on Predicting Students Professional Identity Using Data mining Techniques
2	Maalim Aljabery and Sefer Kurnaz	Predict the type of hearing aid of audiology patients using data mining techniques
3	Mahwash Ahmed and Zahid Hasan Bawar	Text-Independent Speaker Recognition Based on Syllabic Pitch Contour Parameters
4	Zeynep Didem Unutmaz Durmuşoğlu and Pınar Kocabey Çiftçi	The Evolution of the Industry 4.0: A Retrospective Analysis Using Text Mining
5	Shaymaa Alhayali, Osman Ucan and Oguz Bayat	Genetic Algorithm For Finding shortest paths Problem
6	Hayder Safi, Osman N. Ucan and Oguz Bayat	Study The Effect of High Dimensional Objective Functions on Multi-Objective Evolutionary Algorithms
7	Aravind Cheruvu, Shadi Aljawarneh and Vangipuram Radhakrishna	Sequential Approach for Mining Temporal Itemsets
8	Gunupudi Rajesh Kumar, Nimmala Mangathayaru, Narsimha Gugulothu and Aravind Cheruvu	Feature Clustering for Anomaly Detection Using Improved Fuzzy Membership Function
9	Vangipuram Radhakrishna, Kumar Pv, V Janaki and Shadi Aljawarneh	GANDIVA - Time Profiled Temporal Pattern Tree
10	Shadi Aljawarneh, Aravind Cheruvu and Vangipuram Radhakrishna	VRKSHA – A Novel Multi-Tree Based Sequential Approach For Seasonal Pattern Mining



Session 3: Applied Engineering & Sensing
[Mehmet Altınbaş Conference Hall], Tuesday – 19th, June, 2018, 03:00 – 05:00,
Session Chair: Prof. Chintakindi Srinivas

1	Anday Duru, Eftal Sehirli and Idris Kabalci	Ultra-Wideband Positioning System Using TWR and Lateration Methods
2	Indira Uvaliyeva, Saule Belginova and Aigerim Ismukhamedova	Informational and Analytical System to Diagnose Anemia
3	Muhammad Adeel Mahmood, Ian Welch and Mumraiz K. Kasi	Multilateration-based Event Identification in a Wireless Sensor Network
4	Ann Alkazzaz, Kuanquan Wang and Ghassan Aladool	Precise Pupil Boundary Detection Using Angular Integral Projection and Active Contour Model
5	Anchasa Pramuanjaroenkij, Siriluk Phankhoksoong, Amarin Tongkratoke, Kitisak Pathumwan, Ratchaneekorn Ponsukkhwa and Pruetsapha Thipruetri	The Behaviors of Three Different Transmission Systems between a Hybrid Engine and a Generator
6	Nabila Dhahbi-Megrache and Abderrahmane Beroual	Computation of Electrical Potential Distribution along Insulator covered with Thin Conductive Pollution Layer
7	Maznah Kamat, Fuad A. Ghaleb, Mazleena Salleh, Mohd. Foad Rohani, Shukor Abd Razak and Mohd Arief Shah Alias	FAIRNESS OF CHANNEL ASSIGNMENT ALGORITHM BASED ON WEIGHTED LINKS RANKING SCHEME FOR WIRELESS MESH NETWORK
8	Chintakindi Srinivas and C.V. Guru Rao	FEATURE VECTOR BASED COMPONENT CLUSTERING FOR SOFTWARE REUSE
9	Arun Nagaraja and T Satish Kumar	An Extensive Survey on Intrusion Detection - Past, Present, Future
10	Arun N and T Satish Kumar	A NOVEL APPROACH FOR DISCOVERY OF ANOMALY AND INTRUSIONS

Session 4: Software Engineering,
[D blok 601], Tuesday – 19th, June, 2018, 03:00 – 05:00
Session Chair: Dr. Salah-Ddine Krit

1	Daif Abderrahmane, Soumaya Ounacer and Abdelilah Karouchi	Conceptual Model for Trust and Recommendation Systems
2	Mohamed El Asikri, Salah-Ddine Krit and Hassan Chaib	A brief survey of Creating Semantic web content with Protégé
3	Bassam Sabri, and Osman Ucan	Lossy Hyperspectral Image Compression Based on Intra-band Prediction and Inter-band Fractal

4	Ali Nassiri, Hafida Idrissi Azami and Abdelkader Boulezhar	Seven-core fiber laser design for Particle Image Velocimetry Application
5	Abdallah Qusef, Mohammad Daradkah and Eman Al Jounidy	Top-Down vs. Bottom-Up in Project Management
6	Mohamed Benaddy, Brahim El Habil, Othmane El Meslouhi and Salah-Ddine Krit	Recurrent neural network for software failure prediction
7	Hisham Hussein	An Optimal Design Methodology of Adaptive Neuro-Fuzzy Inference System for Energy Load Forecasting - Hail city case study (Saudi Arabia)
8	Ruba Haj Hamad	Automation Testing and Monitoring Lab on the Cloud for IOT Smart Fleet System (ATML & SFS)
9	Vangipuram Radhakrishna	KRISHNA SUDARSANA - A Z-SPACE SIMILARITY MEASURE
10	Djendi Mohamed	A New Efficient Wavelet-Based Adaptive Algorithm for Automatic Speech Quality Enhancement.

Session 5: Networks, Communication and Security,
[Mehmet Altınbaş Conference Hall], Wednesday – 20th, June, 2018, 09:00 – 11:00,
Session Chair: Dr. Gul Shahzad

1	Rahima Henni, Mohamed Djendi and Mustapha Djebari	A Dual Backward Adaptive Algorithm for Speech Enhancement and Acoustic Noise Reduction
2	Akila Sayoud, Mohamed Djendi and Abderrezak Guessoum	A Two-Sensor Fast adaptive Algorithm for Blind Speech Enhancement
3	Khalid Abouloula and Salh-Ddine Krit	Using a Robot Trader For Automatic Trading
4	Hassan Oudani, Salah-Ddine Krit and Lahoucine El Maimouni	An Improved Approach Protocol for Wireless Sensor Networks Based on Hierarchical Routing Protocols
5	Hafidi Meryeme, Benaddy Mohamed and Krit Salah-Ddine	Optimization and Automation of Air Traffic Control Systems: an Overview
6	Nisreen Madi and Yahia Al-Halabi	Android Forensics Tools and Security Mechanism: Survey Paper
7	Mounir Hemam, Meriem Djeddar and Zianou Ahmed	Multi-Viewpoints Ontological Knowledge Representation: A Fuzzy Description Logics Based Approach
8	Vikram Raju Reddicherla, Umashankar Rawat and Kumkum Garg	A Bilinear Pairing-Based Key Management Security Scheme to NEMO in Heterogeneous Networks
9	Vikram Raju R, Uma Shankar Rawat and Kumkum Garg	Secure Route Optimization in NEMO using ECC and Stream Cipher Cryptography

**Session 6: Applied Engineering and Energy,
 [Mehmet Altınbaş Conference Hall], Wednesday – 20th, June, 2018, 11:30 – 01:30,
 Session Chair: Dr. Shireen Panchoo**

1	Salma El Aimani	Contribution to a comparative study between PV and CPV Technologies. Case of Noor Ouarzazate
2	Ismail Naciri, Abdessamad Rguiti, Youssef Belkassmi, Lahoucine El Maimouni, Jean-Etienne Lefebvre, Faniry Emilson Ratolojanahary and Salahdine Krit	Vibrational response of a piezoelectric MEMS resonator disc metallized with alternating electrical source
3	Kaoutar Bendaoud, Salahdine Krit and Lahoucine Elmaimouni	DC-DC power converters & charge pump circuits converters for battery operated system
4	Fatima El Azzouzi and Mohamed El Khomssi	Numerics Computation of Solutions for the Two-Dimensional Ginzburg-Landau System using the Chebyshev Method
5	Shireen Panchoo	Learning Analytics: Requirements for Enhanced Learner-Content Interactions in an Online Environment
6	S. Rasoul Asaee and V. Ismet Ugursal	Potential to reduce energy consumption and GHG emissions by using renewable energy technologies in the conversion of existing houses into net-zero and near net-zero energy buildings
7	Zineb Sadik, Hafida Idrissi Azami and Fatima Ezzahra Arrakhiz	Polypropylene material under simulated recycling: effect of degradation on mechanical, thermal and rheological properties
8	Ben Khadda Ben Ammar and Bouzidi Mezghiche	Effect of Steam Curing by Solar Energy on the Mechanical Strength and Durability of prefabricated concrete in southern Algeria

Posters:

1	Abdelkader Boulezhar, Mustapha Abouricha and Nawfel Azami	Numerical Study of stimulated Brillouin scattering in high power photonic crystal fiber lasers
2	Zeyneb Boubeguir and Salim Ghanemi	GPU-based Face Recognition Acceleration Techniques: A Survey
3	Nesreen Alsharman and Inna Pivkina	Generating Summaries through Selective Part of Speech Tagging
4	Ouali Mohammed and Bendali Nadir	Motion planning for a robot arm based on the 4-5-4 polynomials
5	Salah-Ddine Krit, Mohamed El Asikri, Brahim El Habil, Hassan Chaib, Mohamed Benaddy and Mourad Elouali	Development of Semantic Web applications: state of art and critical review
6	Achour Souad, Amokrane Samira,	Bentonite Characterization by Nuclear Techniques for



	Chegrouche Salah and Nibou Djamel	Environment Applications.
7	Farida Kaouah, Wassila Hachi and Chahida Oussalah	Photocatalytic degradation of endocrine disruptor Bisphenol A in ZnO/UV system: optimization and modeling using a response surface methodology (RSM)
8	Abdelkrim Khireddine and Inouri Lynda	The applications of wavelet transform on signals and imagery
9	Arman Kaliyev, Sergey Rybin, Yuri Matveev, Nazym Kaziyeva and Nursaula Burambayeva	Modeling pause for the synthesis of Kazakh speech
10	Mohamed Rahou and Fethi Sebaa	DEVELOPMENT OF AN INTERFACE FOR NC PROGRAMMING IN INDUSTRIAL ENVIRONMENT
11	Ouali Mohammed and Magraoui Rabah	THEORETICAL AND EXPERIMENTAL STUDY OF A FAN AND AXIAL BURNER
12	Magraoui Rabah and Ouali Mohammed	Vibrational Diagnostics of an atomizer fan
13	Bouafia-Chergui Souad and Chabani Malika	TiO ₂ -Photocatalyzed degradation of Tetracycline: Toxicity assessment and matrix effects
14	Ghoualem Hafida and Fateh Naitali	Effect of temperature on the photocatalytic degradation of an antibiotic residue in urban wastewater.
15	Hamza A. Elghadhafi, Tawfig M. Abdelaziz and Abdelsalam Maatuk	A Novel Approach for Improving the Quality of Software Code using Reverse Engineering
16	Muneer Bani Yassein, Wail Mardini and Taha Almasri	Evaluation of security regarding Z-Wave wireless protocol
17	Abbass Gorgi and Mourad El Ouali	Randomized algorithm for the partial set multicover problem
18	Abdelouhahed Touhami, Zidi Sid Ahmed and Fadi Albatsh	Improved Dynamic Performance of Wind Energy Conversion System by STATCOM

Social Event:

The Lunch of the second day of conference (20 June 2018) will be @ **HASKRAL HATAY SOFRASI Restaurant, Aksaray- Fatih / İstanbul**. There will be a bus in the front of the university campus to pick up the participants to this restaurant.

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