



SEAHF 2019

1<sup>st</sup> International Conference on Smart  
Innovation,  
Ergonomics and Applied Human  
Factors

22-24 January 2019, Madrid, Spain

January. 22nd. 2019			Room
9.30 - 10.00	Registration		Hall
10.00 - 10.15	Welcome		A3005
10.15 - 11.00	Keynote Speaker: Dr. Kayyali Mohamed Title: The Era of Smart Cities & IoT via Space towards Sustainability		A3005
11.00 - 11.30	Coffee break		Cafeteria
11.30 - 13.00	Session 1A: Smart technologies and Artificial Intelligence (SAI) Chair: Dr. Bassam Zafar		A3114
008	Speaker: Atta Rahman Title: Motion Detection in Digital Video Recording Format with Static Background	SHORT PAPER	
009	Speaker: Atta Rahman Title: Automatic Text Categorization using Fuzzy Semantic Network	SHORT PAPER	
017	Speaker: Loussaief Sehla Title: Robot Intelligent Perception Based On Deep Learning	SHORT PAPER	
11.30 - 13.00	Session 3A: Green Energy Production and Transfer Systems (GETS) Chair: Dr. Sihem		A3002
005	Speaker: Abderrahmane Djellouli, Fatiha Lakdja Title: Control and Management of Hybrid Renewable Energy System	FULL PAPER	
035	Speaker: Mohamed Mankour, Sami Ben Slama Title: Voltage and reactive power enhancement in a large AC power grid using shunt FACTS devices	FULL PAPER	
130	Speaker: Abdelaziz Sahbani Title: Single-phase grid connected photovoltaic system using fuzzy logic controller	FULL PAPER	
018	Speaker: M. Benmbarek Title: Performances study of speed and torque control of an asynchronous machine by oriented stator flux	SHORT PAPER	
11.30 - 13.00	Session 7A: Technology and Education (TE) Chair: Dr. Fatima KIES		A3001
025	Speaker: Prof. Ibrahim Garba Title: WhatsApp for defamiliarizing foundation year English learners: A collaborative action research evaluation	SHORT PAPER	virtual
041	Speaker: Marija Minevska Title: Augmented Reality In Children's Education In The Republic Of Macedonia	SHORT PAPER	virtual
076	Speaker: NEETU VAID Title: Social Networkopia: Metamorphosing Minds with Hypnotic Halo	SHORT PAPER	
103	Speaker: Daniel Isaí Aparicio Martínez, Andhers Natanael Piña Guadarrama, Alexis Sánchez Bustamante Title: Portable Braille reading device with electromagnetic actuators	SHORT PAPER	
13.00 - 14.00	Lunch		Cafeteria
14.00 - 16.00	Session 2A: Aerospace Engineering/ Robotics and IT (AERIT) Chair: Dr. Kayyali Mohamed		A3001
012	Speaker: MANDEEP SINGH HEER Title: An Empirical Approach on Absorption of EMI Radiations by Designing Elliptical Microstrip Patch Antenna	FULL PAPER	
038	Speaker: Mandip Kumar Nar Title: Concept of Internal Momentum Absorber Structure to Reduce Impact during Accidents	SHORT PAPER	
058	Speaker: David Tena-Ramos Title: Architecture analysis and specification of the RacingDrones platform: Online Video Racing Drones	SHORT PAPER	
067	Speaker: Rehan Nawaz Title: False Data Injection in smart grid in the presence of Missing Data	FULL PAPER	
100	Speaker: Hirofumi Shishido Title: Application of 3D Symbols as Tangible Input Devices	SHORT PAPER	

019	Speaker: Zarai Khaireddine Title: Improve the tracking of the target in radar system by Using the particular Filter	SHORT PAPER	
14.00 - 15.30	Session 4A: IIT in Bio-Medical Engineering and smart agronomy (BESA) Chair: Prof . Malik Yousef		A3002
131	Speaker: Samina Rafique Title: Synthesis of Sit-to-Stand Movement using SimMechanics	FULL PAPER	virtual
034	Speaker: Sonia Moussa, Zied Hajaiej Title: New parametrization of automatic speech recognition system using robust PCA	FULL PAPER	
044	Speaker: Malik Yousef Title: Hamming Distance and K-mer Features for Classification of Pre-Cursor microRNAs from Different Species	FULL PAPER	
053	Speaker: Héliali Wafa Title: Hybrid Feature Extraction Techniques Using TEO-PWP for Enhancement of Automatic Speech Recognition in Real Noisy Environment	SHORT PAPER	
15.30 - 16.00	Session 8A: IT, Smart Marketing, Management & Tourism Policy (SMTP) Chair: Dr.Ben Slama Samin		A3002
027	Speaker: Fatima KIES, ABDELGHAFAR KHORCHANI Title: EXPLORATORY STUDY ON SDI-ICMM IMPLEMENTATION: CASE STUDY TUNISIA	SHORT PAPER	
<b>January. 23rd. 2019</b>			<b>Room</b>
9.30 - 10.00	Registration		Hall
10.00 - 11.30	Session 1B: Smart technologies and Artificial Intelligence (SAI) Chair: Prof. Atta Rahman		A3005
043	Speaker: Tahir Iqbal Title: Impact of Quality Management on Green Innovation: A Case of Pakistani Manufacturing Companies	SHORT PAPER	
078	Speaker: Jung-Sook Kim Title: Design of the Furniture and Fixture Smart Automatic Batch Simulation Mobile Application	SHORT PAPER	
10.00 - 11.30	Session 5A: Information Security and Mobile Engineering (ISME) Chair: Dr. Vikrant Sharma		A3004
013	Speaker: Nisha Ratti Title: Quantitative Analysis of Software Component's Reusability	SHORT PAPER	
040	Speaker: Dr. Bhanu Pratap Singh Title: Denoising Magnetic Resonance Imaging using Fuzzy Similarity based filter	SHORT PAPER	
056	Speaker: Ravinder Kumar Title: ICI Reduction Using Enhanced Data Conversion Technique with 1x2 and 1x4 Receive Diversity for OFDM Systems	SHORT PAPER	
059	Speaker: Rajiv Vasudev Title: Optimised Scheduling algorithms and techniques in Grid Computing	SHORT PAPER	
10.00 - 11.30	Session 3B: Green Energy Production and Transfer Systems (GETS) Chair: Dr Houda Jouini		A3002
112	Speaker: Sahbi MARROUCHI Title: Resolution of the Unit Commitment Problem using combination of PSO, TS and Lagrangian Relaxation	FULL PAPER	virtual
133	Speaker: Houda Jouini Title: Comparative Study of MPPT Maximum Power Point Extraction Algorithms of an Autonomous Photovoltaic Generator	SHORT PAPER	
134	Speaker: Maha Zoghlami Title: A Comparative Analysis of DPC and SMC- DPC-SVM Control approaches in three-phase electrical power systems	SHORT PAPER	
055	Speaker: Ketan Kakkar Title: Investigation on the behavior of Detonation Gun Sprayed Stellite-6 Coating on T-22 Boiler Steel in Actual Boiler Environment	FULL PAPER	
11.00 - 11.30	Coffee break		Cafeteria
11.00 - 11.30	Poster Session		Cafeteria
062	Speaker: Riccardo Caponetto Title: Deep Learning Algorithm for Predictive Maintenance of Rotating Machines through the Analysis of the Orbits Shape of the Rotor Shaft		poster
118	Speaker: Mónica Sánchez Delgado Title: Development and experimental validation of a model to simulate an alkaline electrolysis system for generation of hydrogen from renewable energy		poster
023	Speaker: Emad Hussein Title: If You Want to Well Understand Today, You Have to Search History, Babylon Is a Good Example		poster

138	<b>Speaker: Abdelaziz Sahbani</b> <b>Title: Design of intelligent Controllers, for Sun tracking System using optical sensors</b>			poster
104	<b>Speaker: Nouha MANSOURI</b> <b>Title: Modeling and simulation of Renewable Generation System: Tunisia grid Connected PV system case study</b>			poster
11.30 - 12-15	<b>Round table</b> <b>Title: Smart innovation challenges</b> <b>Chair: Prof. César Benavente-Peces</b> <b>Speakers: Prof. Ben Slama Sami, Dr. Vikrant Sharma, Dr. Kayyali Mohamed</b>			A3005
12.15 - 13.00	<b>Special session: Keysight</b> <b>Speaker: Adolfo del Solar</b> <b>Title: Challenges in IoT Device</b>			A3005
12.30 - 13.30	<b>Lunch</b>			<b>Cafeteria</b>
14.00 - 15.30	<b>Session 1C: Smart technologies and Artificial Intelligence (SAI)</b> <b>Chair: Prof. Bassam Zafar</b>			A3005
123	<b>Speaker: Maurizio Giacobbe</b> <b>Title: Building a Digital Business Technology Platform in the Industry 4.0 Era</b>	SHORT PAPER		virtual
093	<b>Speaker: Mohammad Nasim</b> <b>Title: A technology centric strategic approach as decision support system during flood rescue for a better evacuation and rehabilitation plan.</b>	FULL PAPER		
108	<b>Speaker: B Muthulakshmi</b> <b>Title: Privacy and Security aware Cryptographic Algorithm for Secure Cloud Data Storage</b>	SHORT PAPER		
110	<b>Speaker: CHERKI Imene</b> <b>Title: Sequential Hybridization of GA and PSO to solve the problem of the optimal reactive power flow ORPF in the Algerian western network (102 nodes)</b>	FULL PAPER		
14.00 - 15.30	<b>Session 5B: Information Security and Mobile Engineering (ISME)</b> <b>Chair: Dr. Vikrant Sharma</b>			A3004
096	<b>Speaker: Manel Zekri, sahbi zahaf</b> <b>Title: Specification of the data warehouse for the decisionmaking dimension of the Bid Process Information System</b>	SHORT PAPER		
142	<b>Speaker: Marwan Mahmoud</b> <b>Title: A CONCEPTUAL MODEL OF CYBERTERRORISTS' RHETORICAL STRUCTURE IN PROTECTING NATIONAL CRITICAL INFRASTRUCTURE</b>	FULL PAPER		
143	<b>Speaker: Marwan Mahmoud</b> <b>Title: MP3 Steganalysis Based on Neural Networks</b>	SHORT PAPER		
14.00 - 15.30	<b>Session 6A: Hydrogen &amp; Fuel cell energy technologies (HFCET)</b> <b>Chair: Dr Houda Jouini</b>			A3002
028	<b>Speaker: Farqad Mohammed Saeed</b> <b>Title: Studying the Corrosion Behavior of Pd - Cu Alloy Used in Hydrogen Purification Systems</b>	FULL PAPER		
070	<b>Speaker: Sihem Nasri</b> <b>Title: A Predictive Real-Time Energy Management Control for a Hybrid Electric System supplied by Hydrogen PEMFC using a supplement Energy Storage Battery / Ultracapacitor</b>	FULL PAPER		
084	<b>Speaker: Sihem Nasr</b> <b>Title: Performance Evaluation of an Appraisal Autonomous System with Hydrogen Energy Storage Devoted for Tunisian Remote Housing</b>	SHORT PAPER		
16.00 - 16.30	<b>Closing session</b> <b>IFGICT awards to the best 3 papers</b>			A3005