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His Excellency Prof. Dr. Omar HALLI,

President of University Ibn Zohr, Agadir, Morocco

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The IEEE ICEMIS 2016 will be held at the Hotel Palais des Roses Resort & SPA,
Secteur Balnéaire et Touristique Cité Founty - 80 000 Agadir Maroc.

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First Day, Thursday – 22nd September, 2016

Registration	Registration Room	08:30 – 09:30
Opening Ceremony	[LA ROSE (salle diwan 1)]	09:30 – 10:00
Opening Reception and Coffee Break	[LA ROSES'S hall]	10:00 - 10:30
Keynote Speech One: Prof. Harold Thimbleby	[LA ROSE (salle diwan 1)]	10:30 - 11:15
Keynote Speech Two: Prof. Tayeb Sadiki	[LA ROSE (salle diwan 1)]	11:15 - 12:00
Parallel Sessions (S1)	[JASMIN (salle diwan 3)]	12:00 – 01:30
Parallel Sessions (S2)	[LILY (Salle diwan 2)]	12:00 – 01:30
Parallel Sessions (S3)	[Bar cigare]	12:00 – 01:30
Lunch Break	[Hotel Restaurant]	01:30 – 02:30
Poster Session: Poster numbers [10, 11, 23, 58, 60, 64, 68, 69, 77, 80, 83, 97, 100, 102, 109, 110, 124, 200, 201, 202, 203, 204 IoT5, IoT7, IoT15, ICSEKD2, ICSEKD6, ICESEKD9, 210]	[Exhibition Area]	02:30 – 04:30
Parallel Sessions (S4)	[JASMIN (salle diwan 3)]	02:30 – 04:30
Parallel Sessions (S5)	[LILY (Salle diwan 2)]	02:30 – 04:30
Parallel Sessions (S6)	[Bar cigare]	02:30 – 04:30
Coffee Break	[The Terrace]	04:30 – 05:15

Second Day, Friday – 23th September, 2016

Registration	Registration Room	08:30 – 09:00
Coffee Break	[LA ROSES'S hall]	09:00 - 09:30
Keynote Speech One: Prof. Harold Thimbleby	[LA ROSE (salle diwan 1)]	09:30 – 10:15
Keynote Speech One: Prof. Joaquim Jorge	[LA ROSE (salle diwan 1)]	10:15 – 11:00
Parallel Sessions (S7)	[JASMIN (salle diwan 3)]	11:00 – 12:30
Parallel Sessions (S8)	[LILY (Salle diwan 2)]	11:00 – 12:30
Parallel Sessions (S9)	[Bar cigare]	11:00 – 12:30
Lunch	[Hotel Restaurant]	12:30 - 01:30
Parallel Sessions (S10)	[JASMIN (salle diwan 3)]	01:30 – 03:30
Parallel Sessions (S11)	[LILY (Salle diwan 2)]	01:30 – 03:30
Parallel Sessions (S12)	[Bar cigare]	01:30 – 03:30
Parallel Sessions (S13)	[Amenaged space]	01:30 – 03:30
Coffee Break	[The Terrace]	03:30 - 04:00
Conference Closing	[LA ROSE (salle diwan 1)]	04:00 – 04:30

Third Day, Saturday – 24th September, 2016 Optional Excursion
(The participant should pay the excursion costs)



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There is no sessions and keynote speeches

Conference End

Session 1: Internet of Things (IoT) and Cloud Computing, [JASMIN (salle diwan 3)], Thursday – 22nd September, 2016, 12:00 – 01:30, Session Chair: Dr. Vikas Shah

2	Mohamed Musbah and Aml Arriany	Applying Voice Recognition Technology for Smart Home Networks
17	Vikas Shah	Fragmented Architecture of IoT Services to Edge Relationship between Dimensions of Electronic Commerce
25	Zouhair Chiba, Nouredine Abghour, Khalid Moussaid, Amina El Omri and Mohamed Rida	A Survey of Intrusion Detection Systems for Cloud Computing Environment
30	Jalal Laassiri and Salahddine Krit	Internet of Things -Architecture and Concepts in ODP Information Language
39	Karim Zkik, Said El Hajji and Ghizlane Orhanou	Secure scheme on mobile multi cloud computing based on homomorphic encryption
75	Abdullahi Chowdhury	Priority Based and Secured Traffic Management System for Emergency Vehicle using IoT
IoT18	Emran Aljarrah, Alexander Kostin, Muneer Bani Yassein	Routing Protocol of Low-Power and Lossy Network: Survey and Open Issues

Session 2: Databases and Data Mining, [LILY (Salle diwan 2)], Thursday – 22nd September, 2016, 12:00 – 01:30, Session Chair: Dr. Abdelsalam Maatuk

36	Mohamed Elaskri, Salah-Ddine Krit, Jalal Laassiri and Hassan Chaib	Contribution To Ontologies Building Using the Semantic Web and Web Mining
63	Abdullah Alsharif and Nada Philip	Classifying and Predicting Instances for Smoking Cessation Management System (Smoke Mind)
76	Rabi Mouhcine and Amrouch Mustapha	Recognition of cursive Arabic handwritten text using embedded training based on HMMs
85	Rebecca Kai Cassar, Joseph Vella and Joshua Ellul	A Conflict Resolution Abstraction Layer for Eventually Consistent Databases
88	Naim Terbeh, Aymen Trigui, Mohsen Maraoui and Mounir Zrigui	Arabic Speech Analysis to Identify Factors Posing Pronunciation Disorders and to Assist Learners with Vocal Disabilities
101	Shadi Aljawarneh, Abdelsalam Maatuk and Reem Jaradat	Gene Profile Classification: A Proposed Solution for Predicting Possible Diseases and Initial Results
113	Naoual El Aboudi and Laila Benhlma	An Overview of Wrapper Feature Selection Approaches



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Session 3: Evolutionary Computation and Soft Computing, [Bar cigare], Thursday – 22nd September, 2016, 12:00 – 01:30, Session Chair: Prof. Dr. Vangipuram Radhakrishna

7	Usha Rani Y and Sammual P	An Efficient Disease Prediction and Classification Using Feature Reduction Based Imputation Technique
8	Vangipuram Radhakrishna, P Veereswara Kumar and V Janaki	Mining Outlier Temporal Patterns
59	Vangipuram Radhakrishna, Kumar Pv and V Janaki	A Computationally Optimal Approach for Extracting Similar Temporal Patterns
81	Gunupudi Rajesh Kumar, N Mangathayaru and G Narsimha	An approach for intrusion detection using fuzzy feature clustering
82	Gunupudi Rajesh Kumar, N Mangathayaru and G Narsimha	Design of novel fuzzy distribution function for dimensionality reduction and intrusion detection
IoT12	Ismail Hmeidi, Ahmad Al-Aiad, Sama Al-Momani and Mohammad Ibnian	A Simple Present and Past Sentences Machine Translation from Arabic Language (AL) to English language

**Session 4: Smart Cities, [JASMIN (salle diwan 3)], Thursday – 22nd September, 2016, 2:30 – 04:30
Session Chair: Dr. Salah-Ddine Krit**

6	Vikas Shah	Pragmatic Modeling of Pervasive Cloud Enabled Trading Architecture for Smart City Ecosystem
29	Mustapha Kabrane, Salah-Ddine Krit, Jalal Laassiri and Lahoucine El Maimouni El Maimouni	Urban Mobility in Smart Cities Using Low-Cost and Energy-Saving Wireless Sensor Networks
54	Raja Alshawish, Salma Alfagih and Mohamed Musbah	Big Data Applications in Smart Cities
92	Mouhib Ibtihal, El Ouadghiri Driss and Naanani Hassan	Network as a service for smart Vehicles
IoT4	Moh'd Ishaq Abu Halawa, Abdelsalam Maatuk, Heba S. Idrees and Eman H. Ali	An Optimal Solution for Transportation Problem Using Computing Modelling

Session 5: Networks, Communication and Security, [LILY (Salle diwan 2)] Thursday – 22nd September, 2016, 2:30 – 04:30, Session Chair: Prof. Dr. Djendi Mohamed

18	Saad Bani-Mohammad	All Shapes Busy List Contiguous Allocation Strategy for 3D Mesh Multicomputers
28	Djendi Mohamed, Henni Rahima and Sayoud Akila	A New Dual Forward BSS Based RLS (DFRLS) algorithm for Speech Enhancement
33	Hassan Oudani, Salah-Ddine Krit, Jalal Laassiri and Lahoucine El Maimouni	Comparative Study and Simulation of Flat and Hierarchical Routing Protocols for Wireless Sensor Network



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45	Mouhcine Chliah, Kaouthar Chetioui, Ghizlane Orhanou and Said Elhajji	Evolved PathFinder algorithm for Secure Load Sharing in the network layer
41	Kouraogo Yacouba, Zkik Karim, El Janati El Idrissi Noredine and Orhanou Ghizlane	Attacks on Android Banking Applications
43	Sophia Alami Kamouri, Ghizlane Orhanou and Said El Hajji	Overview of Mobile Agents and Security
Session 6: Engineering and Energy, [Bar cigare], Thursday – 22nd September, 2016, 2:30 – 04:30 Session Chair: Dr. Jalal Laassiri		
27	Ilhan Usta, Yeliz Mert Kantar, Ibrahim Arik and Ismail Yenilmez	A Statistical Investigation on Wind Energy Potential of Northwest of Turkey
46	Assia Arsalane, Nouredine Elbarbri, Abdelmoumen Tabyaoui, Abdessamad Klilou and Karim Rhofir	Building a portable device based on DSP for meat discrimination
48	Kaoutar Bendaoud, Salah-Ddine Krit, Jalal Laassiri and Lahoucine El Maimouni	Design and simulation DC-DC Power Converters Buck and Boost for Mobile Applications using Matlab/Simulink
50	Salahddine Krit, Mohamed Benaddy, Brahim El Habil and Jalal Laassiri	Reliability of Transport Data And Energy Efficient in Wireless Sensor Networks: A Literature Survey
96	Hajar Bouazza, Mohsine Bouya, Omar Zerzouri and Abdelkader Hadjoudja	New and low cost product solution for LED matrix display
107	Ali Nassiri, Driss Mgharaz and Hafida Idrissi Azami	Numerical modeling of doped microstructured fiber laser in Q-switched mode
Session 7: Software Engineering, [JASMIN (salle diwan 3)], Friday – 23th September, 2016, 11:00 – 12:30 Session Chair: Dr. Mamdouh Alenezi		
4	Hassan El Houari and Ahmed Fouad El Ouafdi	Generalized Gaussian Kernel for Triangular Meshes denoising
49	Imane Lebdaoui, Said Elhajji and Ghizlane Orhanou	Managing big data integrity
57	Abdulaziz Algablan and Stéphane Somé	A Visual Syntax for Larman's Operation Contracts
108	Hamza Kamili and Mohammed Essaid RIFFI	A Comparative Study On Portfolio Optimization



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61	Rabab Zouad, Souad Eddarouich and Ahmed Hammouch	An introduction to Color image segmentation
42	Mohamed Benaddy and Brahim El Habil	A new programming language for matrix operations
Session 8: Computer and Education, [LILY (Salle diwan 2)], Friday – 23th September, 2016, 11:00 – 12:30 Session Chair: Dr. Rashad Aouf		
20	Fatimaezzahra Benmarrakchi, Jamal El Kafi and Ali Elhore	Supporting Dyslexic's Learning Style Preferences in Adaptive Virtual Learning Environment
35	Rashad Aouf, Hassan Al Abboud and Monzer Alwan	Integration of Location-Based Information into Mobile Learning Management System to Verify Scientific Formulas in Informal Learning Environment
84	Abdelsalam Maatuk and Naser F Mohamed El-Firjani	Mobile Augmented Reality for Interactive Catalogue
94	Mohamed Ali Sghaier and Mounir Zrigui	Sentiment Analysis for Arabic e-commerce websites
98	Nafaa Haffar, Mohsen Maraoui and Shadi Aljawarneh	Use Of Indexed Arabic Text In E-Learning System
126	Hasan Rashaideh	A Novel Optimization Algorithm for Solving Two-Point Boundary Value Problems
131	Hadeel Alharbi, Kamaljeet Sandhu, Trevor Brown	The Acceptance of E-learning Recommender System for Saudi Universities: Quantitative Results
Session 9: Internet of Things (IoT), [Bar cigare], Friday – 23th September, 2016, 11:00 – 12:30 Session Chair: Dr. Adam Reziouk		
IoT3	Jonathan-Christofer Demay, Adam Reziouk and Enzo Laurent	Practical security overview of IEEE 802.15.4
IoT6	Vinaykumar K	Text Stream Mining in Internet of Things
IoT8	Dragana Krstic, Muneer Bani Yassein, Shadi Aljawarneh and Zoran Popovic	Wireless Relay System with Two Sections in the Presence of κ - μ and η - μ Multipath Fading
IoT9	Muneer Bani Yassein, Wail Mardini and Ashwaq Khalil	Smart Homes Automation using Z-wave Protocol
10	Muneer Bani Yassein, Shadi Aljawarneh, Esra'a Masa'deh and Baraq Ghaleb	A New Dynamic Trickle Algorithm for Low Power and Lossy Networks
11	Vangipuram Radhakrishna, Kumar Pv and V Janaki	Looking into the possibility of Novel Dissimilarity measure to discover similarity profiled temporal association patterns in Internet of Things



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Session 10: Internet of Things (IoT) and Cloud Computing, [JASMIN (salle diwan 3)], Friday – 23th September, 2016, 01:30 – 03:30, Session Chair: Dr. Muneer Bani Yassein

89	Ashraf Bourawy and Sulieman Mansouri	Adaptive Admission Control for IEEE 802.11e HCCA Access Mode
115	Rihane Dkaich, Ikram El Azami and Mouloudi Abdelaaziz	XML OLAP cube in the cloud: towards the DWaaS
121	Nikolay Kazantsev, Nikita Konovalov and Lara Giber	The level of cloud technology penetration into business processes of the modern bank and its effects on strategic alignment
122	M Swami Das, Dr Aliseri Govardhan and Vijaya Lakshmi D	An Approach for Improving Performance of Web Services and Cloud Based Applications
IoT3	Muneer Bani Yassein, Mohammed . Shatnawi and Dua' ' Al-Zoubi	Application Layer Protocols for the Internet of Things
IoT14	Vangipuram Radhakrishna, Kumar Pv, V Janaki and Shadi Aljawarneh	A Computationally Efficient Approach for Temporal Pattern Mining in Internet of Things - Addressing time series data challenge
IoT16	Muneer Bani Yassein, Qusai Abuein, Ahmad Bani Amer and Mamoun Qasem	An Energy-efficient Technique for Constrained Application Protocol of Internet of Things
IoT17	M Swami Das, A Govardhan and D Vijayalakshmi	Classification Approach for Web and Cloud Based Applications

Session 11: Databases and Data Mining, [LILY (Salle diwan 2)], Friday – 23th September, 2016, 01:30 – 03:30, Session Chair: Prof. Dr. N Mangathayaru

105	Abdelsalam Maatuk, Ali Akhtar, Raja A. M. Moftah and Mohammed Elkobaisi	Performance Evaluation of an RDB and an ORDB: A Comparative Study using the BUCKY Benchmark Approach
114	Raja A. M. Moftah, Abdelsalam Maatuk and Richard White	Methods to Access Structured and Semi-Structured Data in Bioinformatics Databases: A Perspective
118	V.Radhakrishna, P.V.Kumar, V.Janaki and Shadi Aljawarneh	A Similarity Measure for Outliers Detection in Time stamped Temporal Databases
125	N Mangathayaru, Gunupudi Rajesh Kumar and G Narasimha	Text Mining Based Approach for Intrusion Detection
52	Usha Rani Y and P Sannulal	A Similarity Measure for Classification and Imputation of Medical Records
111	Safae Elhoufi, Maha Jazouli, Aicha Majda, Arsalane Zarghili and Rachid Aalouane	Automatic Recognition of Facial Expressions using Microsoft Kinect with artificial neural network
127	Ali Alawneh	A Proposed Knowledge Management Framework for Boosting the Success of Information Systems Projects
28	G Sureshreddy	Dimensionality Reduction Approach for High Dimensional Text Documents



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129	Panigrahi Srikanth and Rajasekhar N	A Novel Cluster Evaluation for Gene-miRNA Interactions Documents using Improved Similarity Measure
130	Aravind Cheruvu and Vangipuram Radhakrishna	Estimating Temporal Pattern Bounds Using Negative Support Computations
103	Loubna Laaouina, Abdelhak Nafi and Ahmed Mouchtachi	Application of CMM separation method for identifying absolute values of probe errors and machine errors
Session 12: Networks, [Bar cigare], Friday – 23th September, 2016, 01:30 – 03:30, Session Chair: Dr. N Arun		
72	Ouafaa Ibrihich, Mustapha Esghir, Salah-Ddine Krit, Jalal Laassiri and Said El Hajji	An Advanced Analysis on Secure Hierarchical Routing Protocols in Wireless Sensor Network
74	Salah-Ddine Krit and El Bachir Haimoud	Review On The IT Security: Attack And Defense
79	Ines Khacheba, Mohamed Djoudi and Mohamed Bachir Yagoubi	Energy-Efficient Routing Protocol for Ad Hoc Networks
123	N Arun, N Mangathayaru, N Rajasekhar and T Satishkumar	A Survey on Routing Techniques for Transmission of Packets in Networks
8	Ibrahim Elidrissi and Mohamed Akherraz	Robust controller Design to Track Maximum Power in a PV System Connected to the Grid
91	Zakariae Jebroni, Hajar Chadli, Ahmad Benlghazi, Abdelwahed Tahani and Belkasem Tidhaf	Gain Correction and Phase Compensation of a Smart Electrical Energy Meter
104	Yeliz Mert Kantar, Ilhan Usta, Ibrahim Arik and Ismail Yenilmez	Distributions of Wind Speed at Different Heights
Session 13: Software Engineering, [Amenaged space], Friday – 23th September, 2016, 01:30 – 03:30, Session Chair: Dr. Ahmed Elmorshidy		
70	Zahra Rabinia, Shahrouz Moaven and Jafar Habibi	Towards a Knowledge-based Approach for Creating Software Architecture Patterns Ontology
87	Mohamed Abdalla, Huseyin Seker and Richard Jiang	Identification of Rabbit Coccidia by Using Microscopic Images
106	Ahmed Elmorshidy	Tacit Knowledge Strategic Use in Organizations – A New Model for Creation, Sharing and Success
12	Fahim Khan and Ken Sakamura	A Patient-Centric Approach to Delegation of Access Rights in Healthcare Information Systems
117	Hanane Alloui, Mohamed Sadgal and Aziz Elfaziki	A cooperative Multi Agent System approach for 3D image segmentation
ICSEKD8	Mamdouh Alenezi, Adnan Shahid Khan, and Yasir Javed	Open Source Web Application Security: A Static Analysis Approach
ICESEKD10	Ebitisam K. Elberkawi and others	Usability Evaluation of Web-based Systems: A New Method and Results
ICSEKD11	Bouchaib Falah and Soukaina Hamimoune	Mutation Testing Techniques: A Comparative Study



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Posters, [Amenaged space], Thursday & Friday – 22nd to 23th September, 2016, 02:30 – 04:30

10	Ouali Mohammed and Mellal Nacim	Contribution to the study and localization of cracks in steel beams. Application of the variation of the local flexibility
11	Magraoui Rabah, Ouali Mohammed and Temmar Mustapha	Predictive diagnosis of rotating machines. Application to the finishing mill
23	Djamel Amalou	Extraction and characterization of grape seed oil
58	Fadila Mezrag and Nadir Bouarissa	Vibrational properties of Al _x In _{1-x} P Ternary alloys semiconductors
60	Djedri Safia and Issaadi Rachid	OPTIMIZATION OF FORMULATION PARAMETERS OF A PARAPHARMACEUTIQUE CREAM 100% BIO
64	Abdullah Alsharif and Nada Philip	Data mining technique for the Enhanced Smoking Cessation management system (Smoke Mind)
68	Houria Hamitouche	Electrochemical synthesis of ferrate (VI): Optimization of Influencing Parameters on the Process
69	Houria Hamitouche	Glycerol as a green steel corrosion inhibitor in sulphuric acid
77	Bouraiou Euchy Nabila and Meniai Abdeslem Hassen	EXPERIMENTAL STUDY OF SALTING EFFECT IN EXTRACTION LIQUID- LIQUID IN PARTIALLY MISCIBLE SYSTEMS OF WATER/ ETHANOL/1-BUTANOL AT 298.15K
80	Djendi Mohamed, Bensafia Sara and Safi Meriem	A Frequency Co-Channel Adaptive Algorithm for Speech Quality Enhancement.
83	Nabila Bensacia, Karima Sefah and Amel Hadjziane-Zafour	SYNTHESIS AND CHARACTERISATION OF FUNCTIONALIZED DOUBLE WALLED CARBON NANOTUBE/MIXED METAL OXIDES NANOCOMPOSITES
97	Mohamed Ben Salah and Abdellah Boulouz	Energy Efficient Clustering Based on LEACH
100	Mohamed Labidi, Mohsen Maraoui and Mounir Zrigui	New Birth of the Arabic Phonetic Dictionary
102	Mariam Elhaddad and Salma Mohammed	Analysing the Impact of Quantum Computing Using System Dynamics
109	Ons Meddeb, Mohsen Maraoui and Shadi Aljawarneh	Hybrid modeling of an OffLine Arabic Handwriting Recognition System AHRS
110	Jungtai Kim, Yong-Ki Yoon and Ji-Hoon Yun	Optimal Composition of the Network Topology for the Ethernet Train Backbone
124	N Arun, N Mangathayaru and N Rajasekhar	Privacy Preserving and Data Security – A Survey



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200	Safia Benmansour	MULTIPLICITY RESULTS FOR KIRCHHOFF TYPE PROBLEM INVOLVING CRITICAL SOBOLEV EXPONENT
201	Atika Matallah	ON NONHOMOGENEOUS ELLIPTIC KIRCHHOFF TYPE PROBLEM INVOLVING CRITICAL SOBOLEV EXPONENT
202	Abaid allah Mohammed	EXISTENCE OF POSITIVE SOLUTIONS FOR CRITICAL ELLIPTIC NONLOCAL PROBLEMS
203	Z.Zerrougui	A Characterization of Thin Film Ferrites BaM and YIG
204	Kamel Tahri	ON A CERTAIN CLASS OF FOURTH ELLIPTIC EQUATIONS
IoT5	Abdelkader Rhouati, El Hassane Ettifouri, Mohammed Ghaouth Belkasmi and Bouchentouf Toumi	Toward a solution to interoperability and portability of content between different content management systems : an introduction to DB2EAV API
IoT7	Muneer Bani Yasin, Reema Abdulraziq and Shadi Aljawarneh	Secure Low Energy Adaptive Clustering Hierarchal Based on Internet of Things for Wireless Sensor Network (WSN): Survey
IoT15	Shadi Aljawarneh, Vangipuram Radhakrishna, P.V. Kumar and V Janaki	A Similarity Measure for Temporal Pattern Discovery in Time Series Data Generated by IoT
ICSEKD2	Abdelouaheb Talai and Zine-Eddine Bouras	Software Evolution based Activity Diagrams
ICSEKD6	Hassan Almosa and Mamdouh Alenezi	Software Architecture Stability: a Holistic View
ICESEKD9	Amin Boudeffa and Amel Boubendir	A multi-level interaction dealing approach with aspects in the requirement engineering phase
210	Zaoui Fatiha, Ourdi Djelloul, Bouras Abdelkader	Contribution à l'étude comparative de la qualité physico-chimique et Bactériologique des Eaux destinés à la consommation humaine de Ain Skhouna et Ain Zerga