



ACIT'2015



Conference Program

Under the Patronage
of Her Excellency
Mrs. Majd Shweikeh
Minister of Telecommunications and Information
Technology

Day 1 (Tuesday 15 December 2015)

Activity	Time	Venue
Registration	10:30 – 11:30	Outside the Faculty of Engineering Auditorium
Opening session	11:30 – 12:15	Faculty of Engineering Auditorium
Opening the exhibition + Break	12:15 – 1:00	Panorama Building Foyer
First keynote speaker: Prof. Hassan Ugail Title: Applied Visual Computing: Challenges and Opportunities Chaired By: Prof. Emad Abu Elrub Co-Chaired By: Dr. Osama Al-Haj Hassan	1:00 – 2:00	Faculty of Engineering Auditorium
Lunch	2:00 – 3:00	Isra University Restaurant
<i>ACIT Steering Committee Meeting</i> <i>Chairman: CCIS Secretary General</i> <i>Dr. Mohammad Hassan</i>	3:00 – 5:00	Meeting Room

Algorithms & Language processing - Session 1 Chaired By: Prof. Mahmoud Al-Mahashi Co-Chaired By: Dr. Bassam Al-Sharjabi	3:00 – 4:40	Conference Room (1)
Constraints Aware and User Friendly Exam Scheduling System	3:00 – 3:20	
A Rule-based English to Arabic Machine Translation Approach	3:20 – 3:40	
A Novel Method to Evaluate Romanization Systems: The Case of Romanizing Arabic Proper Nouns	3:40 – 4:00	
Word Sense Disambiguation for Arabic Text Categorization	4:00 – 4:20	
Optimization of position finding step of PCM-oMaRS algorithm with statistical information	4:20 – 4:40	
AI & Expert Systems - Session 2 Chaired By: Prof. Essam Al-Dawoud Co-Chaired By: Dr. Osama Qtaish	3:00 – 5:00	Conference Room (2)
Smart Sump-Pump Using Fuzzy Logic Controller	3:00 – 3:20	
Fingerprint Image Quality Analysis Using Fuzzy Logic Technique	3:20 – 3:40	
Performance Comparison of Neuro-Fuzzy Cloud Intrusion Detection Systems	3:40 – 4:00	
A Novel Approach for optimization of Feature Selection	4:00 – 4:20	
Data Mining Methodologies To Study Student's Academic Performance Using The C4.5 Algorithm	4:20 – 4:40	
Alternatives Organizer in Group Decision Making: An Ontology Approach	4:40 – 5:00	
Event	7:00 – 9:00	

Day 2 (Wednesday 16 December 2015)

Activity	Time	Venue
Second keynote speaker: Prof. Said Al-Ghoul Title: Software Engineering Perspective: Bio-inspired approach Chaired By: Prof. Mohammad Odeh Co-Chaired By: Dr. Thamer Al-Rousan	9:00 – 10:30	Faculty of Engineering Auditorium
Break	10:30 – 11:00	
Database Systems and Machine Learning - Session 3 Chaired By: Prof. Adnan Shaoat Co-Chaired By: Dr. Nawaf Ali	11:00 – 1:00	Conference Room (1)
The Effect of Horizontal Database Table Partitioning on Query Performance	11:00 – 11:20	
A Two-Layer Approach Model for Industry Electricity Demand in Malaysia	11:20 – 11:40	
Principal Component Regression With Artificial Neural Network To Improve Of Prediction Electricity Demand	11:40 – 12:00	
IHadoop: Improve MapReduce Performance	12:00 – 12:20	
BLN-Gram-TF-ITF as a Language Independent Feature for Authorship Identification and Paragraph Similarity	12:20 – 12:40	
Interactive Visual Search System Based on Machine Learning Algorithm	12:40 – 1:00	

Image processing, Pattern Recognition, and Web Systems - Session 4 Chaired By: Prof. Sulaiman Mustafa Co-Chaired By: Dr. Jamal Zaraqo	11:00 – 12:00	Conference Room (2)
Facial Recognition under Expression Variations	11:00 – 11:20	
Content-based Image Retrieval based on Integrating Region segmentation and colour histogram	11:20 – 11:40	
Algorithm for answer extraction based on pattern learning	11:40 – 12:00	
A Personalized Hybrid Web Recommender System	12:00 – 12:20	
Cloud-based Video capture handoff in the Intelligent Transportation System	12:20 – 12:40	
Lunch	1:30 - 2:30	Isra University Restaurant
Information Systems and E-learning - Session 5 Chaired By: Prof. Khaled Khanfar Co-Chaired By: Dr. Nidal Yousef	2:30 – 4:30	Conference Room (1)
Automatic Corpus Generation for Short Answer Grading System	2:30 – 2:50	
Selection Of Relevance Feedback Technique In The Context Of Cbir	2:50 – 3:10	
Evaluating Association between Research and Social Networks	3:10 – 3:30	
Embedded voice synthesiser and Sensors in Navigation Aid system for Blind People	3:30 – 3:50	
A Prototype for a Standard Arabic Sentiment Analysis Corpus	3:50 – 4:10	
Emoticon-based feedback tool for e-Learning plate-forms	4:10 – 4:30	

Mobile and Wireless Network - Session 6 Chaired By: Prof. ThiabTaha Co-Chaired By: Dr. Shadi Masaadi	2:30 – 4:10	Conference Room (2)
A Mobile Application for Safer-Intelligent Driving and Vehicle Preventive Maintenance Using Vehicle OBD Data	2:30 – 2:50	
MINIMAL ENERGY COMSUMPTION IN MANET USING CLUSTER HEAD SELECTION AND PLGP-M	2:50 – 3:10	
A Secured and Energy Efficient Data Collection Framework Using Marvin Symmetric Key and Steiner Tree in Wsn	3:10 – 3:30	
Integrated Replication-Checkpoint Fault Tolerance Approach of mobile agents “IRCFT”	3:30 – 3:50	
Oak Ridge Air Quality Index Computation : a way for Monitoring Pollutions in Annaba City	3:50 – 4:10	
Event	7:00 - 9:00	

Day 3 (Thursday 17 December 2015)

Activity	Time	Venue
Invited Talk: Prof. ThiabTaha Title: High Performance Computing and Big Data Chaired By: Dr. Mohammad Al-Kabi Co-Chaired By: Dr. Esam Al-Hadeed	9:30 – 10:00	Faculty of Engineering Auditorium
Third keynote speaker: Dr. Al-Sakib Khan Pathan Title: Building Customer Trust in Cloud Computing Model Chaired By: Dr. Raafat Al-Shorman Co-Chaired By: Dr. Sulaiman Alshowara	10:00 – 11:30	Faculty of Engineering Auditorium
Break	11:30 – 12:00	
Software Engineering - Session 7 Chaired By: Dr. Hamed Fawaareh Co-Chaired By: Dr. Intesar Al-Shammari	12:00 – 2:00	Conference Room (1)

Ideal Software Architecture for the Automotive Industry	12:00 – 12:20	
Verifying Abstract Data Types : A Hybrid Approach	12:20 – 12:40	
Modelling Software Fault debugging Complexity under Imperfect Debugging Environment	12:40 – 1:00	
Visualising Domain Ontologies Using Mindmaps to Enhance Requirements Engineering	1:00 – 1:20	
The OntoREM-MindMapper Software for Visualising OWL Ontologies	1:20 – 1:40	
New Algorithms to Find Reliability and Unreliability Functions of the Consecutive k-out-of-n: F Linear & Circular System	1:40 – 2:00	
Lunch	2:00 – 3:30	Isra University Restaurant
Closing session	3:30 – 5:00	Faculty of Engineering Auditorium