

The final Program

Day 9 Sept 2017	
9.00 Opining AND WELCOME MESSAGE	
Session (A) 9.0-10.45	Internet of Things and Big Data Analytics (I) <i>Session chair: Professor Ashraf Darwish</i>
9.00-9.15	A Comparative Study of Trust Mapping Functions in Mobile Phone Participatory Sensing Applications Hayam Mousa, Osama Younes, and Mohiy Hadhoud
9.15-9.30	Utilizing the Internet of Things(IoT) Technologies in the Implementation of Industry 4.0 Labib M. Zawra, Hala A. Mansour, Adly T. Eldin, and Nagy W. Messiha
9.30-9.45	Vehicle to Vehicle Implementation in Developing Countries Ahmed Yasser, Mohamed Elzorkany, and Neamat Abdel Kader
9.45-10.00	I2Evaluator: An Aesthetic Metric-tool for Evaluating the Usability of Adaptive User Interfaces <i>Neila Chettaoui and Med Salim Bouhlel</i>
10.00-10.15	Secret Image Sharing Based On Elementary Cellular Automata Mervat Ahmed and Osama S. Younes
10.15-10.30	Smart Aquaponics System for Industrial Internet of Things (IIoT) Mohanad Odema, Ihab Adly, Ayman Wahba, and Hani Ragai
10.30-10.45	Semi-supervised Approach to Soft Sensor Modeling for Fault Detection in Industrial Systems with Multiple Operation Modes by Shun Takeuchi, Takuya Nishino, Takahiro Saito, and Isamu Watanabe
10.45-11.00	Crowdsourcing Speech and Language Data for Resource Poor Languages Hamdy Mubarak
10.45-11.00 BREAK	
Session (B) 11.00-01.00	Internet of Things and Big Data Analytics (II) <i>Session Chair: Professor M. I. Mahmoud</i>
11.00-11.15	Software Watermarking for Java Program based on Method Name Encoding Jianping Chen, Kui Li, Wanzhi Wen, Weixu Chen, and Chenxue Yan
11.15-11.30	Novel Design based Internet of Things to Counter Lone Wolf, Part-A: Nice Attack Hassan F. Morsi, M. I. Youssef, and G. F. Sultan
11.30-11.45	Enhancing indoor localization using IoT techniques Mohamed Nabil, M. B. Abdelhalim, and Ashraf AbdelRaouf
11.45-12.00	A Review of Wireless Sensor Applications in Remote Sensing and Space Industry State of the Art and Challenges Mohammed E. El-Telbany, and Maha A. Maged
12.00-12.15	Gesture Recognition for Improved User Experience in Augmented Biology Lab by <i>Gehad Hassan and Nashwa Abdelbaki</i>
12.15-12.30	BP-MPSO Algorithm for PUMA Robot Vacuum Path Planning <i>SU Qinghua and Li Juntao</i>

12.30-12.45	Modeling and Performance Analysis of Planar Parallel Manipulators <i>Amr Abo Salem, Tarek Y. Khedr, Gamal El Ghazaly, and M. I. Mahmoud</i>
12.45-01.00	Design and Simulation of Fuzzy Water Monitoring System using WSN for Fishing by <i>Azza Esam, Mohamed Elkhatib, and Sameh Ibrahim</i>
1.00-2.00 Lunch	
Session © 2.00-4.00	Intelligent Systems and applications (I) Session chair: Dr. Tarek Gaber
2.00-2.15	Wavefront and A-star Algorithms for Mobile Robot Path Planning <i>Issa Mtanos Zidane, Ahmed S.Ali, and Khalil Ibrahi</i>
2.15-2.30	Novel Multi-Input Multi-Output Brain Emotional Learning based Intelligent Controller for PUMA 560 Robotic Arm <i>Mohamed Hamdy El-Saify, Gamal Ahmed El-Sheikh, Ahmed Mohamed El-Garhy</i>
2.30-2.45	Low Complexity Intra-Prediction Algorithm for Video Coding Standard by <i>Farid Z. Saleh Samir G. Sayed and Amr E. Mohamed</i>
2.45-3.00	Mohamed S. Bakli, Mahmoud A. Sakr, and Taysir Hassan A. Soliman, A Hadoop Extension For Analysing Spatiotemporally Referenced Events
3.00-3.15	A Model of Electrokinetic Platform for Separation of Different Sizes of Biological Particles <i>Reda Abdelbaset, Yehya H. Ghallab, Hamdy Abdelhamid and Yehea Ismail</i>
3.15-3.30	Breast Cancer Detection Using Polynomial Fitting for Intensity Spreading within ROIs <i>Shaimaa Mostafa, Roaa Mubarak, and Mohamed El-Adawy</i>
3.30-3.45	A Bidirectional LSTM and Conditional Random Fields Approach to Medical Named Entity Recognition <i>Kai Xu, Zhanfan Zhou, Tianyong Hao, and Wenyin Liu</i>
3.45-4.00	An Experimental Evaluation of Binary Feature Descriptors <i>Hammam A. Alshazly, M. Hassaballah, Abdelmgeid A. Ali, and G. Wang</i>
End day 1	

Day 2 10 Sept 2017	
Session (A) 9.00-11.00	Intelligent Systems and applications (II) Session chair: Howida A. Shedeed
9.00-9.15	Stock Markets' Threat Modeling: Egyptian Exchange (EGX) Case Study <i>Ehab ElShafei and Nashwa AbdelBaki</i>
9.15-9.30	HTTP Application Layer DDoS Attack Mitigation Using Resources Monitor <i>Mohamed Aly Mohamed, Nashwa Abdelbaki</i>
9.30-9.45	Semantic Cloud Community Framework for Services Provision

	<i>Tamer M. Al-Mashat, Fatma A. El-Licy, and Akram I. Salah</i>
9.45-10.00	Coronary Artery Vessel Tree Enhancement in Three Dimensional Computed Tomography Angiography by <i>Marwa Shams, Safwat Hamad, Mohammed A.M. Salem, and Howida A. Shedeed</i>
10.00-10.15	EEG-Based Emotion Recognition Using a Wrapper-Based Feature Selection Method <i>Mohammed A. AbdelAal, Assem A. Alsawy, and Hesham A. Hefny</i>
15.15-10.30	Early Prediction of Wheat Diseases Using SVM Multiclass <i>Ahmed Reda, Essam Fakharany, and Maryam Hazman</i>
10-30-10.45	Spatiotemporal Reasoning for Complex Video Event Recognition in Content-Based Video Retrieval by Leslie F. Sikos
10.45-11.00	Understanding Medical Text Related to Breast Cancer: A Review <i>Noha Ali, Eslam Amer, and Hala Zayed</i>
Session (B) 11.00-1.00	Informatic (I) Session Chair: Dr. Rania Hodhod
11.00-11.15	A New Hybrid Approach Using Genetic Algorithm and Q-learning for QoS-aware Web Service Composition By Doaa H. Elsayed, Eman S. Nasr, Alaa El Din M. El Ghazali, and Mervat H. Gheith
11.15-11.30	A Study of the Effect of Agile Approaches on Software Metrics Using Self-Organizing Maps by Doaa M. Shawky, and Salwa K. Abd-El-Hafiz
11.30-11.45	A Text Mining Based Literature Analysis for Learning Theories and Computer Science Education Rania Hodhod and Hillary Fleenor
11.45-12.00	Cardinality Estimation Algorithm in Large-Scale Anonymous Wireless Sensor Networks by Ahmed Douik, Salah A. Aly, Tareq Y. Al-Naffouri, and Mohamed-Slim Alouini
12.00-12.15	Bio-Inspired Load Balancing Algorithm in Cloud Computing by Marwa Gamal, Rawya Rizk, Hani Mahdi, and Basem Elhady
12.15-12.30	Energy Aware Mobile Cloud Computing Algorithm for Android Smartphones By Samar A. Said, Sameh A. Salem, Samir G. Sayed
12.30-12.45	Human Arm-Leg Smart Gesture-based Control in Human Computer Interaction Applications By Sahar Magdy, Sherin Youssef, and Cherine Fathy
12.45-01.00	Improving Multiple Routing in Mobile Ad Hoc Networks Using Fuzzy Models By Hamdy A.M. Sayedahmed, Imane M. A. Fahmy , Hesham A. Hefny
1-2 Lunch	
Session (B) 2.00-4.00	Informatics and NLP Session Chair: Professor Passent M. ElKafrawy

2.00-2.15	Neural-Network based Functional Evaluation on Thermograms of Wireless Circuits By Wael Sultan, Nihal Yassin and M. Hesham Farouk
2.15-2.30	Optimizing Deep Learning Based on Deep Auto Encoder and Genetic Algorithm by Sherihan Abuelenin, Samir Elmougy, and Fadya Habeeb
2.30-2.45	FCSR - Fuzzy Continuous Speech Recognition Approach for Identifying Laryngeal Pathologies Using New Weighted Spectrum Features by Rania. M. Ghoniem, and Khaled Shaalan
2.45-3.00	Semi-supervised Image Clustering using Active Affinity Propagation Sarah Habashi , Mohamed A. Ismail, and Magdy Nagi
3.00-3.15	Automating Requirements Elicitation of Cloud-Based ERPs Mohamed A. Abd Elmonem, Eman S. Nasr, and Mervat H. Gheith
3.15-3.30	Forming System Requirements for Software Development Using Semantic Technology by Passent M. ElKafrawy, Mohamed. S. Khalaf
3.30-3.45	Automatic Arabic Ontology Construction framework: Insectivore's case study <i>Dalia Fadl, Safia Abbas, and Mostafa Aref</i>
3.45-4.00	Discover trending topics of interest to governments by <i>Moutaz Wajih Hamadeh and Sherief Abdallah</i>
Social activities	
Day 3 11 Sept 2017	
Session (A) 10-12	Informatics and applications Session Chair: Dr. Manal Tantawi
10.00-10.15	Manipulating Sentiment Analysis Challenges in Morphological Rich Languages <i>Sara Sabih, Ahmed Sallam, Gh. S. El-Taweel</i>
10.15-10.30	Use of Arabic Sentiment Analysis for Mobile Applications' Requirements Evolution: Trends and Challenges <i>Rabab E. Saady, Eman S. Nasr, Alaa El Din M. El-Ghazaly, and Mervat H. Gheith</i>
10.30-10.45	Enhancing Semantic Arabic Information Retrieval via Arabic Wikipedia Assisted Search Expansion Layer Eslam Amer, Heba M. Khalil, Tarek. El-Shistawy
10.45-12.00	Diagnosing Heart Diseases using Morphological and Dynamic Features of Electrocardiogram (ECG) by Hadeer El-Saadawy, Manal Tantawi, Howida A. Shedeed and M.F. Tolba
	Poster session
Closing	

Poster session

- 1- A generic optimization solution for hybrid energy systems based on agent coordination By Djamel Saba, Brahim Berbaoui, Housseem Eddine Degha, Fatima Zohra Laallam
- 2- Quantified Self Using IoT Wearable Devices by Abdulaziz Shehab, Ahmed Ismail, Lobna Osman, Mohamed Elhoseny and I. M. El-Henawy
- 3- A Survey on Smart Cities' IoT by Ahmed Samy Nassar, Ahmed Hossam Montasser, and Nashwa Abdelbaki
- 4- A Hybrid EEG Signals Classification Approach Based on Grey Wolf Optimizer Enhanced SVMs for Epileptic Detection by *Asmaa Hamad, Essam H. Houssein, Aboul Ella Hassanien, and Aly A. Fahmy*
- 5- Developing an Efficient Clique-based Algorithm for Community Detection in Large Graphs by *Hassan saad, Taysir Hassan A. Soliman, and Sherine Rady*
- 6- Trust and Bio-inspired-based Clustering Techniques in Wireless Sensor Networks: A Survey by Sarah Abdelwahab, Tarek Gaber, and Mohamed Wahed
- 7- Evaluating Learners' Progress in Smart Learning Environment by Hisham Elhoseny, Mohamed Elhoseny, Samir Abdelrazek, A. M. Riad
- 8- Analyzing the Arab Gulf Newspapers using Text Mining Techniques by *Said A. Salloum, Mostafa Al-Emran, Sherief Abdallah, and Khaled Shaalan*
- 9- Dataset Built for Arabic Sentiment Analysis by *Ayesha Jumaa Salem Al Mukhaiti, Sanjeera Siddiqui and Khaled Shaalan*
- 10- Evaluating Arabic Parser and Recommending Improvements by Khaled Ezzeldin, Sanjeera Siddiqui, and Khaled Shaalan
- 11- A New Model for Detecting Similarity in Arabic Documents by *Mahmoud Zaher, Abdulaziz Shehab, Mohamed Elhoseny, Lobna Osman*
- 12- Development of an Arabic Questions Answering App for Android Smartphones by *Mazen Juma, Azza Abdel Monem and Khaled Shaalan*
- 13- Twitter Sentiment Analysis for Arabic Tweets by *Sherihan Abuelenin, Samir Elmougy, and Eman Naguib*
- 14- Detecting Twitter Users' Opinions of Arabic Comments during Various Time Episodes via Deep Neural Network Naglaa Abdelhade, Taysir Hassan A. Soliman, and Hosny M. Ibrahim,
- 15- A Computational Offloading Framework for Object Detection in Mobile Devices by *Maged AbdelAty and Amr Mokhtar*