



23rd International Conference on Computer Theory and Applications

ICCTA 2013

29-31 October 2013
Alexandria, Egypt

Conference Program

Day 1

Tuesday, October 29th, 2013

DAY 1 - Tuesday, October 29th, 2013

09:00 Registration

10:30 Opening Session

H.E. Prof. Dr. Yousry El Gamal

Chairman-Board of Trustees
Egypt-Japan University for Science and Technology
Former Minister of Education
President, Computer Scientific Society

11:30 Coffee Break

12:00 Keynote Speech

"System Evolution in El Araby from 1964 to 2014"

Eng. Mohamed Abdelgayed Ibrahim Elaraby

Chief Operations Officer
El Araby Group of Companies and Factories
Egypt

12:30 Keynote Speech

"ROLE of ITIDA in the IT Industry Development"

Eng. Yasser Elkady

Chief Executive Officer
Information Technology Industry Development Agency (ITIDA)
Egypt

13:00 Keynote Speech

"Advanced Techniques for Wireless Sensor Networks in Delay Critical Smart Grid Monitoring Applications"

Prof. Dr. Hussein Mouffah

Senior Canada Research Chair and
Distinguished University Professor
School of Electrical Engineering and Computer Science
University of Ottawa, Ontario, Canada

14:00 Keynote Speech

"Is it Technology or Business or ... both?"

Prof. Dr. Mohamed Aborizka

Vice Dean, College of Management and Technology
Director, Center of Excellence, Smart Village
Arab Academy for Science, Technology, and Maritime Transport
Egypt

15:00 Lunch

Day 2

Wednesday, October 30th, 2013

DAY 2 - Wednesday, October 30th, 2013

9:00 - 11:00 Two Parallel Sessions

<p align="center">Session I Computer Control and Industrial Applications</p>	<p align="center">Session II Image Processing and Pattern Recognition-1</p>
<p>Chairs: Prof. Dr. Mahmoud AbouZeid</p> <p>Module Integrated Converter for Photovoltaic Applications with Different Control Strategies</p> <p>Mostafa Abd_El-Geliel, Mostafa Bakkar and Mahmoud Abo zied (Arab Academy for Science and Technology, Egypt)</p>	<p>Chairs: Prof. Dr. Taher Elsonny</p> <p>Feature Extraction for Trajectory Representation of Sign Language Recognition</p> <p>Khaled Mahar (Arab Academy for Science and Technology, Egypt), Yasser Fouad and Nermeen El Kashef (Alexandria University, Egypt)</p>
<p>Optimized Backstepping Fuzzy Control for Nonholonomic Mobile Robot</p> <p>A. F. Amer (Arab Academy for Science and Technology, Egypt), E. A. Sallam (Tanta University, Egypt) and I. A. Sultan (Alexandria Electricity Distribution Co., Egypt)</p>	<p>Hybrid Moving Object Detection Algorithm with Controlled Temporal Scale Frame Difference</p> <p>Mohammed Awney(Higher Technological Institute, 10th of Ramadan, Egypt), Mohammed S. Sayed (Egypt-Japan University of Science and Technology, Egypt) (Zagazig University, Egypt) and Fathi E. Abd El-Samie (Menoufia University, Egypt)</p>
<p>Predicting the Short Term Electrical Energy Consumption using Dynamic Model and Genetic Algorithm</p> <p>Khaled Eskaf and Ibrahim El-Mohr (Arab Academy for Science and Technology, Syria)</p>	<p>Blind Source Separation with Wavelet Based ICA Technique Using Kurtosis</p> <p>Mohamed Yehia Abbass, Safey Ahmed Shehata and Said Shaban Haggag (Atomic Energy Authority, Egypt), Salah El-Dien Mahmoud Diab , Bassiony Mohamed Salam, El-Sayed Mahmoud El-Rabaie and Fathi El-Sayed Abd El-Samie (Menoufia University, Egypt)</p>
<p>Collective Behavior of Robots Swarm</p> <p>Nabil Hassan (WVS Tumban College, Liberia)</p>	<p>Efficient Blind Image Separation Using Finite Ridgelet Transform</p> <p>Mohamed Yehia Abbass, Safey Ahmed Shehata and Said Shaban Haggag (Atomic Energy Authority, Egypt), Salah El-Dien Mahmoud Diab , Bassiony Mohamed Salam, El-Sayed Mahmoud El-Rabaie and Fathi El-Sayed Abd El-Samie (Menoufia University, Egypt)</p>

DAY 2 - Wednesday, October 30th, 2013 (Cont'd)

11:00 Coffee Break

11:30 - 1:30 Two Parallel Sessions

<p align="center">Session III Image Processing and Pattern Recognition-2</p>	<p align="center">Session IV Networks and High Performance Computing-1</p>
<p>Chairs: Prof. Dr. Ossama Badawy and Dr. Mohamed Kholief</p>	<p>Chairs: Dr. Ayman Abdel-Hamid</p>
<p>Processing of Corneal Images With A Cepstral Approach</p> <p>Nahed tawfik , Mahmoud F. El Din (Electronics Research Institute, Egypt), Waleed Al-Nuaimy (University of Liverpool, UK.), Moawad I. Dessouky and Fathi El-Sayed Abd El-Samie (Menoufia University, Egypt)</p>	<p>Towards Trusted Mobile Ad-Hoc Clouds</p> <p>Ahmed Hammam and Samah Senbel (Arab Academy for Science and Technology, Egypt)</p>
<p>Online English to Arabic Translation Enhancement by Domain Data Adaptation</p> <p>Khaled Ibrahim Mohamed (Arab Academy for Science and Technology, Egypt) Mohsen Rashwan (Cairo University, Egypt) Mohamed Waleed Fakhr and Mostafa Abd El Azim (Arab Academy for Science and Technology, Egypt)</p>	<p>Modeling and Analysis of Virtualized Multi-Service Cloud Data Centers with Automatic Server Consolidation and Prescribed Service Level Agreements</p> <p>Maggie Mashaly(German University in Cairo, Egypt) and Paul J. Kuehn (University of Stuttgart, Germany)</p>
<p>ECG Signal Compression Using a Proposed Inverse Technique</p> <p>Hadeel Adel,O. Zahran, Taha E. Taha, S. El-Halafawy, El-Sayed M. El-Rabaie , Fathi E. Abd El-Samie (Menoufia University, Egypt) and Waleed Al-Nuaimy (University of Liverpool, UK.)</p>	<p>A Comparison between Two Post-Failure Load Distribution Techniques with Multiple Routing Configurations</p> <p>Mohamed A El-Serafy, Moustafa H Aly (Arab Academy for Science and Technology, Egypt) El-Sayed A El-Badawy and Ibrahim A Ghaleb (Alexandria University, Egypt)</p>
<p>Improved Classification of Arabic Unstructured Documents Based on Automated Domain Dictionary Construction</p> <p>Walid Mohamed Aly (Arab Academy for Science and Technology, Egypt) Mohamed Wagdy Youssef (The SHOURA Assembly Cairo, Egypt) Wafaa Hanna Sharaby (Future Academy, Egypt) and Hany Atef Kelleny (Arab Academy for Science and Technology, Egypt)</p>	

14:00 Lunch

Day 3

Thursday, October 31st, 2013

DAY 3-Thursday October 31st, 2013

9:00 - 11:00 Two Parallel Sessions

Session V Networks and High Performance Computing-2	Session VI Information Systems-1
Chairs: <i>Dr. Mohamed Khedr</i>	Chairs: <i>Prof. Dr. Ossama Ismail – Dr. Essam Kosba</i>
Improving QoS of IPTV over WiMAX Networks Mohamed.A.Mohamed and Mohey.E.Abou-ElSeoud (Mansoura University, Egypt) and Hegazi. Ibrahim (High Institute of Engineering and Technology New Damietta, Egypt)	Optimizing Rules Sharing System in e-Government Using Service-Oriented Architecture: A Case Study in Egypt Saleh Mesbah Elkaffas (Arab Academy for Science and Technology, Egypt) and Haidy Shicorail Fouad (Alexandria University, Egypt)
NC-OFDM Cognitive Radio Wireless Networks with Efficient LDPC Codes Seif Shebl and Abdullah Alwadie (Najran University, Najran, KSA)	Ontology-Based Approach for Automated Issue Classification in an Issue Tracking System Said Mohamed Fathalla, Mohamed Hassan Mohamed, Yasser F. Hassan (Alexandria University, Egypt) and Mohamed Kholief (Arab Academy for Science and Technology, Egypt)
Efficient Deployment Schemes of Wireless Sensor Networks M.E. Madkour, S. E. Soliman (Atomic Energy Authority, Egypt), M. I. Dessouky and F. E. Abd El-Samie (Menoufia University, Egypt)	Rough Based Granular Computing Approach for Making Treatment Decisions of Hepatitis C Farid A. Badria, Mohammed M.Eissa, Mohammed Elmogy (Mansoura University, Egypt) and Mohammed Hashem (Ain Shams University, Egypt)
VoIP Performance Evaluation Over IPv4-6 and 6to4 Networks Poussy Amr and Nashwa Abdelbaki (Nile University, Egypt)	Association and Classification Analysis in Retail Case Study Ahmed H.Kopap and Essam-Eldean Elfakharany (Arab Academy for Science and Technology, Egypt)

11:00 Coffee Break

DAY 3-Thursday October 31st, 2013 (Cont'd)

11:30 - 1:30 Two Parallel Sessions

<p align="center">Session VII Networks and High Performance Computing-3</p>	<p align="center">Session VIII Information Systems-2</p>
<p>Chairs: Prof. Dr. Sherin Youssef</p>	<p>Chairs: Prof. Dr. Shawkat Guirguis – Dr. Mahmoud Farouk</p>
<p>Quality of Service for Slotted Optical Burst Switched Network</p> <p>Mohammed I. Abu-Ghayyad, Mohammed Mahmoud, and Moustafa H. Aly (Arab Academy for Science and Technology, Egypt)</p>	<p>Identifying Learning Style Using Students Behavior in E-Learning Management Systems Based on JRIP Classifier</p> <p>Shaimaa M. Nafea, Abdelfath A. Hegazy, Essam- Eldean Elfhakarany (Arab Academy for Science and Technology, Egypt) and M. Elemam Shehab (Egyptian Armed Forces)</p>
<p>Enhancing Optical Burst Switching Networks Throughput at Low & High Traffic Loads</p> <p>Mahmoud H. Odeh, Mohammed Mahmoud, and Moustafa H. Aly (Arab Academy for Science and Technology, Egypt)</p>	<p>Combining R-Tree and B-Tree to Enhance Spatial Queries Processing</p> <p>Marwa Ahmed, Khaled Mahar (Arab Academy for Science and Technology, Egypt), Hatem Abdelkader (Monofia University), and Hatem Khater (Egyptian Naval Forces)</p>
<p>Minimizing Delivery time in WSN-based Real-Time Applications using Multi-view video</p> <p>Abdelrahman Abdelazim, Wassim Masri, and Feras Abou-Galala (American University of the Middle East, Kuwait)</p>	<p>Intelligent Student Advisory Framework</p> <p>Walid Mohamed Aly (Arab Academy for Science and Technology, Egypt), Osama Fathy Hegazy and Heba Mohammed Nagy Rashad (Cairo Higher Institute for Engineering, Egypt)</p>
<p>Mapping User QoS requirements to Delay in Tree-based Clustered Wireless Sensor Networks</p> <p>Wassim Masri (American University of the Middle East, Kuwait)</p>	<p>Quality Controlled Stock Prediction Model</p> <p>Shawket Guirguis (Institute of Graduate Studies & Research, Egypt), Fatma Zada and Tawfik Khattab (Arab Academy for Science and Technology, Egypt)</p>

14:00 Lunch

End of ICCTA 2013 Activities

ICCTA 2013 Committees

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H. E. Prof. Dr. Yousry S. ElGamal

Chairman – Board of Trustees, Egypt-Japan University of Science and Technology

Former Minister of Education

President, Computer Scientific Society

Honorary Chair

Prof. Dr. Ismail Abdel Ghaffar

President, Arab Academy for Science, Technology, and Maritime Transport (AASTMT), Egypt

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Dr. Mahmoud Farouk, AASTMT, Alexandria, Egypt.

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