24th International Conference on Computer Theory and Applications

ICCTA 2014

25-27 October 2014
Alexandria, Egypt

Conference Program

Day 1

Saturday, October 25th, 2014

DAY 1 - Saturday, October 25th, 2014

09:00 Registration

10:30 Opening Session

H.E. Prof. Dr. Yousry El Gamal
Former Minister of Education
President, Computer Scientific Society

11:30 Coffee Break

12:00 Keynote Speech

"Who Leads Innovation in the Digital World?"

Dr. Ahmed N. Tantawy
Executive Director - Egypt Nanotechnology Center

12:45 Keynote Speech

"Architecting Multilingual Systems: Achievements and Challenges"

Eng. Ahmed Barghout
International School of Information Science
Bibliotheca Alexandrina, Egypt

13:30 Keynote Speech

"Smart Grid Technology for Connected Electric Vehicles"

Prof. Dr. Hussein Mouftah
Senior Canada Research Chair and
Distinguished University Professor
School of Electrical Engineering and Computer Science
University of Ottawa, Ontario, Canada

14:15 Keynote Speech

"New Solutions Not New Technologies"
"Suez Canal: A Smart Corridor Powered by ICT"

Prof. Dr. Mohamed Aborizka
Dean, Center of Excellence
Arab Academy for Science, Technology, and Maritime
Transport, Egypt

15:00 Lunch

End of ICCTA 2014 - Day 1 Activities

Day 2

Sunday, October 26th, 2014

9:00 - 11:30

Session I Networks, Security, and Trust
Chairs: Prof. Dr. Ayman Abdel-Hamid and Dr. Mohamed Kholief
Performance Analysis of Selective Authentication Schemes for IPTV Networks **Ahmad H. Al-Sharif (Benha University, Egypt), Khaled Y. Youssef (Telecom Egypt), and Hala A. K. Mansour (Benha University, Egypt)**
Lightweight Cryptographic Algorithm Variable Key Length Encryption Algorithm (VEA) **Bassam W. Aboshosha (Arab Academy for Science and Technology, Egypt), Rabie A. Ramdan (Cairo University, Egypt), and Abdel Moneim Wahdan (Arab Academy for Science and Technology, Egypt)**
Hybrid Trust Management Model for Cloud Computing **Aya Salama A. Saleh, Essam M. Ramzy Hamed (Arab Academy for Science and Technology, Egypt), and Mohamed Hashem (Ain Shams University, Egypt)**

Session I
Networks, Security, and Trust
Aggregating Local Metrics for Global Trust Calculations in the TOR Network **Nada M. Abdel Aziem, Sherif F. Fahmy, and Attallah I. Hashad (Arab Academy for Science and Technology, Egypt)**
An Advanced Data Security Algorithm Using cryptography and DNA-Based Steganography **Essam M. Ramzy Hamed (Arab Academy for Science and Technology, Egypt), Ayman E. Taha (ISD, Egyptian Government), and Ahmed Imad Hammoodi (Arab Academy for Science and Technology, Egypt)**

11:30 Coffee Break

12:00 - 14:30

Session II
Session II **Distributed Systems and Parallel Processing**
Chairs: Prof. Dr. Ossama Ismail and Dr. Mohamed Shaheen
Process Algebras, Reasoning, And Validation **Nabil Hassan (WVS Tubman College, Liberia)**
A Heuristic Quality-based Nurse Scheduling Algorithm for Emergency Centers **Ramy Refat, Ayman Taha (ISD, Egyptian Government), and Samah Senbel (Arab Academy for Science and Technology, Egypt)**
Tracing Origins of Unknown DNA/Protein Offspring Sequences on Multi-Processors **Mohamed Issa and Ahmed Mansour Alzohairy (Zagazig University, Egypt)**
Analytical Model for Service Response Time in Distributed Systems **Abdulhalim Dandoush (INRIA Sophia-Antipolis Méditerranée, France) and Mohamed Elgamel (Arab Academy for Science and Technology, Egypt)**

| **Session II** |
| **Distributed Systems and Parallel Processing** |
| Prevention of DOM-based XSS Attacks Using a White List Framework

Khaled Ali, Ayman Abdel-Hamid, and Mohamed Kholief (Arab Academy for Science and Technology, Egypt) |

14:30 Lunch

End of ICCTA 2014 – Day 2 Activities

Day 3

Monday, October 27th, 2014

9:00 - 11:30

Session III Information Systems
Chairs: *Prof. Dr. Ossama Badawy and Dr. Essam Kosba*
Visualizing Demographics Based on Micro-blogger Tracking: Twitter Case Study **Khaled Ahmed, Neamat El Tazi (Cairo University, Egypt), and Ahmad Hossny (Deakin University, Australia)**
GIS-Based Decision Support System Using Analytical Hierarchy Process for Solar Cells Site Selection in Sinai Peninsula, Egypt **Heba Abdu Al Aziz, Saleh Mesbah Elkaffas (Arab Academy for Science and Technology, Egypt), Safaa M. Hassan (National Authority for Remote Sensing and Space Sciences, Egypt), and Ali Amasha (Arab Academy for Science and Technology, Egypt)**
Students' Attitudes toward Mobile Learning Adoption in Private University in Egypt **Tamer F Abdelfattah, Ossama Ismail (Arab Academy for Science and Technology, Egypt)**
Multi-Agent based University Advising System **Mohamed Attia, Ossama Badawy, and Essam Kosba (Arab Academy for Science and Technology, Egypt)**

Session III
Information Systems
Measuring Organizations' readiness for Customer Relationship Management (CRM): A Comparative Study **Mennatallah Ammar, Essam Kosba, and Khaled Mahar (Arab Academy for Science and Technology, Egypt)**

11:30 Coffee Break

12:00 - 14:30

Session IV Computer Control and Industrial Applications
Chairs: *Prof. Dr. Moustafa Hussein and Prof. Dr. Mahmoud AbouZeid*
Integrated Inductor Class-D Audio Amplifier Modeling & Simulation **Abdelrahman Shalaby, Mohamed Orabi, and El-Sayed Hasaneen (APEARC, Aswan University, Egypt)**
Power System Disturbance Suppression Using Interval Type-2 Fuzzy Logic Stabilizer **O. E. Gouda (Cairo University, Egypt), G. M. Amer, O. M. Salim, and M. A. Hassan (Benha University, Egypt)**
Using Genetic Algorithm to Improve the Performance of Sigma-Delta Converter Used on Earthquake Monitoring Systems **Omar Mohamed (National Research Institute of Astronomy and Geophysics, Egypt), Roshdy AbdelRassoul (Arab Academy for Science and Technology, Egypt), Mahmoud Mohanna, and Hamed Nofal (National Research Institute of Astronomy and Geophysics, Egypt)**

Session IV **Computer Control and Industrial Applications**
Intelligent Look-ahead Controllers for Nonholonomic Mobile Robot Manipulator **Ahmed F. Amer (Arab Academy for Science and Technology, Egypt), Elsayed A. Sallam (Tanta University, Egypt), and Ibrahim A. Sultan (West Control Center, Alexandria Electricity Distribution Co., Egypt)**
Biologically Inspired Hierarchical Model for Traffic Sign Recognition **Amr Abdel Aziz, Ibrahim F. Imam (Arab Academy for Science and Technology, Egypt), and Amin Shoukry (Alexandria University, Egypt)**

End of ICCTA 2014 Activities

ICCTA 2014 Committees

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H. E. Prof. Dr. Yousry S. El-Gamal
Former Minister of Education
President, Computer Scientific Society

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