ICCTA 2009 Program

DAY 1 - Saturday, October17th , 2009

09:00 Registration

10:00 Opening Session

11:00 Coffee Break

11:30 Invited Presentation

"Architecting Software Systems"

Dr. Alaa Youssef
IBM - Cairo Technology Development Center

12:30 Company Presentation (ACCIT)

"Modern E-learning Technologies"

Prof. Yasser Hanafy
Academy Company for Communications and Information Technology

14:00 Lunch

15:00 - 17:00 Two Parallel Sessions

Session I Computer Graphics	Session II Networks, Security, and High Performance Computing
Chairs: Prof. Amin Shoukry and Prof. Taher ElSonni	*Chairs: Prof. Mohamed Rezk and Prof. Yasser Hanafy*
Simple Technique to Build Complex 3D Solid Models **M.I. El-Anwar**	Hase: Hierarchical Asymmetric Symmetric Encryption Protocol for Secure Routing in Wireless Sensor Network **Sahar Mostafa, Hesham El Zouka and Mohamed Abou El Nasr**
Local Spline Implicitization for Surfaces **Mohamed Shalaby**	Extending Firewall Session Table to Accelerate NAT, QoS Classification and Routing **Mahmoud MOSTAFA, Anas ABOU EL KALAM, Christian FRABOUL**
A Novel Code Generator for Geometric Modeling based on Geometric Algebra **Ahmad H. Eid, Abd El Hay A. Sallam, Mohammed Y. Fargaly, Rawya Y. Rizk**	Performance-Area Trade-offs for Decoupled Matrix Processor **Mostafa I. Soliman and Abdulmajid F. Al-Junaid**
On Enhancing a Ray Tracer using Geometric Algebra **Ahmad H. Eid, Abd El Hay A. Sallam, Mohammed Y. Fargaly, Randa S. Atta**	Time Synchronization Adaption in stream ciphering **E. Kamal, H .Selim, M. Hashem, Kh. El-Shennawy**

	The Optimum Performance of Small Networks using Routing Information protocol (RIP) under Failures **Emad R. Moawed , Khameis M. El-shennawy**
	An Automated Approach for Web Page Classification **Lamiaa Mostafa, Maged Farouk, Medhat Fakhary**
	Cluster-based Intrusion Detection Using Mobile Agents for Mobile Ad-Hoc Networks **Nour El-Din Mohamed, Ayman Abdel-Hamid, Khaled Mahar**

DAY 2 - Sunday, October 18th, 2009

9:00 - 11:00 Two Parallel Sessions

Session III Software Engineering and Information Systems	Session IV Electronics & Wireless Communications-1
Chairs: Prof. Medhat Fakhry and Dr. Essam Kosba	*Chairs: Prof. Darwish Abdel Aziz and Dr. Mahmoud Abou Zeid*
CometPortal: A Portal for Online Risk Analytics Using CometCloud **Hyunjoo Kim, Moustafa Abdelbaky, Manish Parashar**	WILAB: Discrete Event and Library for Wireless Systems **Heba G. Badie, Mohamed E. Khedr, and Moustafa H. Aly**
Analysing the Evolvability of NeuroEvolution Systems **Hany Sallam, Ihab Talkhan, Amir Atiya, and Carlo S. Regazzoni**	DCT Assisted Speaker Identification In The Presence Of Noise And Channel Degradations **A. Shafik, S. Elhalafawy, S. M. Diab, B. M. Sallam and F. E. Abd El-samie**
Towards a Framework for Checking Inconsistencies between Software Architecture Views **Mirette M. Michel and Galal H. Galal-Edeen**	Effects of Different Constraint Lengths of Convolutional Encoder on Bluetooth Performance over Fading Channels **M.A.M. EL-Bendary, A.El-Azzm, N. El-Fishawy, F. Shawki, M. R. El-Tokhy, and F. El-sayed**
A Proposed Methodology for Cost Estimation Of Web Applications **Hany Ramadan, Haitham Hamza and Ismail Taha**	New Equalization Approach for Maximizing Data Rate of Discrete Multi Tone Systems **Mohamed Elhadad, Moawad I. Dessouky, Sami A. El-Dolil, Yasser A. Albagory and Fathi E. Abd El-Samie**

College Students' Performance According to their Gender (Case study on engineering graduates at Arab Academy for science, Technology and Maritime Transport **Ehab Yakout, Saad Mesbah and Essam Kosba**	
Utilizing Prior Information in a Fuzzy Framework for clustering MRI **Moumen El-Melegy, and Hashim Mokhtar**	
Multi Agents system for Management of Auctions and Trading Systems **Mostafa Abdel Aziem M., Abdul Mageed EL Sadek, and Ahmed E. Hamed**	

11:00 Coffee Break

11:30 Invited Presentation

"Business Intelligence Process – Best Practices"

Dr. Ahmed Bahaa
Faculty of Computers and Information – Helwan University

12:30 Company Presentation (CompuPharaohs)

"Business Intelligence in Action"

Dr. Ahmed Bahaa
Principal Technical Consultant - CompuPharaohs

14:00 Lunch

15:00 - 17:00 Two Parallel Sessions

Session V Computer Control and Industrial Applications – 1	Session VI Image Processing and Pattern Recognition -1
Chairs: Prof. Hussein Dessouki and Prof. Yasser Gaber	*Chairs:* Prof. Ossama Badawy and Prof. Ossama Ismail
Enhancement the Power System Operation Using Wireless Technology Based Protection Schemes **M M Eissa and Ibrahim M. Jomaah**	Fingerprint Recognition Using The Wavelet Transform and Mel Frequency Cepstral Coefficients **F. G. Hashad, T. M. Halim S. M. Diab, B. M. Sallam and F. E. Abd El-samie**

VHDL-AMS Based Modelling and Simulation of Single-Electron Transistor Circuits **A. M. El-Shaer, A. A. Nasser and N. Hamdy**	An Efficient System for Predicting the Egyptian Stock Trend **Maha Mahmoud Abd ElAal, Waleed Fakhr, Gamal Selim, Abeer Badr ElDin**
Open Ends Induction Motor Operation Based On A Dual Inverter **Sherif M.W. Ahmed, Mustafa M. Eisa, G.M.A.Sowilam, Abou bakr Salim M. Salim**	New Approach For Object-Based Image Coding **Usama S. Mohammed, Walaa M.Abd-Elhafiez**
The Static Force Characteristics in Different Linear Permanent Magnet Stepper Motor Configurations **A. Menesy A. Anas El-Wogood M. Abuzeid M. El-Khazendar**	Content Based Color Image Retrieval Using Two-Dimensional Principal Component Analysis (2DPCA) Features **Waleed Fakhr, Radwa El Shawi, Gamal Selim**
	Robust Digital Image Watermarking Scheme Based On Discrete Tchebichef Transform **Safey A. S. Abdelwahab**
	Acoustic Targets Identification Using Hybrid Classifiers **Hatem Khater and M.S.Zaghloul**

DAY 3-Monday October 19th, 2009

9:00 - 11:00 Two Parallel Sessions

Session VII Computer Control and Industrial Applications - 2	Session VIII Electronics & Wireless Communications-2
Chairs: Prof. Medhat Elsengaby and Prof. Mohamed Abdel-Baith	*Chairs: Prof. Moustafa Hussein and Prof. Khamis Elshennawy*
Replay Software of Voyage Data Recorder for Real Marine Accident **DR. M. S. Zaghloul**	Suppression of Four Wave Mixing Crosstalk in Four 10 Gbps Channels Over a 50 km Dispersion Shifted Fiber Using Unequal Channel Spacing **Bassem K. Abd ElRazak and Moustafa H. Aly**
Application of Adaptive-Neuro-Fuzzy inference system on modeling and controlling Power Plant **Mahmoud M. Fahmy, Mohammad T. Fahim, Tarek E. El-Tobely and Saad M. Hewaidy**	Efficient Transmission of chaotic and AES Encrypted Images over OFDM AWGN Channel **M. Hilmey, S. Elhalafwy, M. Zeineldin and F. E. Abd El-Samie**
Predicting Acoustic Emission Attenuation within Solids by using Ray Tracing Technique in 3D Modelling **M. El-Shaib, R. Reuben, T. Lim, M. Shehadeh**	Exact Mathematical Model for Dual-Pump Distributed Fiber Raman Amplifier **Haitham S. Mostafa and Moustafa H. Aly**
A Novel Space Vector Modulation Based 3-ph High Performance Transformer-less UPS **Hamdy Ashour, Ibrahim Abdallah and Mostafa I. Marei**	Bandwidth Enhancement of U-slot Microstrip Patch Antenna **Ahmed Ali Hassan Elkhalil, Mohamed Omar, Darwish Abdelaziz**

11:00 Coffee Break

11:30 – 13:30 Two Parallel Sessions

Session IX Image Processing and Pattern Recognition -2	Session X Electronics & Wireless Communications-3
Chairs: Prof. Khaled Mahar and Dr. Mahmoud Farouk	*Chairs: Prof. Said Elkhamy and Prof. Mohamed Abou-Eldahab*
Automatic Image Annotation Using Principal Component Analysis **Mohamed Abdel-Hamid El-iskandarani,Sahar Bayoumi and Guitar Mohamed Shawkat**	Modeling and Simulation for Handoff Process in Mobile WiMax with Different Classes of Services , **Prof. Mohamed Aboul-Dahab, Dr.Hesham El-Badawy, Dr.Mohsen Tantawy, and Eng. Amro Sayed**
Transform Coding of Medical Endoscopic Images for Wireless Transmission **Ibrahim El rube, Hassan Fayed, and Sharaf El-Din El-Nahas**	Improvement of Transmission Propagation of Multimode Optical Fibers using CDMA Techniques **Hossam Yassien and Moustafa H. Aly**
Visualization Aids for Document Analysis and Understanding , **Mohamed Taher El Sonni, Marwa Abdel Hamid Ibrahim**	Effect Of The Mutual Coupling On The Bartlett Algorithm To Estimate The Direction Of Arrival **Mohamed M. M. Omar, Mohamed A. Abul Dahab and Sally S. Saleh**

An IHS and Laplacian Pyramid Integrated Fusion Technique to Improve the Visual Quality of Remote Sensing Satellite Images **Rasha Shoitan, Zaki Nossair, Tarek El.Tobely, Hatem El-Bolock**	Compact E-Shape with Wideband for Millimeter-Wave Communication **Cleopatra M.M. Kamel, Mohamed Al Sharkawy, Darwish A. E. Mohamed**
Facial Expression Analysis Based on Automatic Facial Feature Points Detection and Temporal Models of Facial Action Units , **Mohamed T. El Sonni, and Samer S. Iskander**	Planar Tapered Antenna for Ultra-Wideband Application **Mostafa I. El-Kemany, Mohamed M. Y. Omar, Darwish A. E. Mohamed**
Recognition of Handwritten Numerals **Nabil Hassan**	

14:00 Lunch

End of ICCTA 2009 Activities