26ᵗʰ International Conference on Computer Theory and Applications

ICCTA 2016

25-27 October 2016
Alexandria, Egypt

Conference Program

Day 1

Tuesday, October 25th, 2016

09:00 Registration

10:30 Opening Session

    "The Fourth Industrial Revolution: Are We Ready?"

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

11:30 Coffee Break

12:00 Keynote Speech

    "Internet of Things"

        Eng. Hazem Adel
        Senior Virtual Platform Engineer
        Intel Deutschland GmbH

13:00 Keynote Speech

    "ITIDA Current and Future Plans"

        Ms. Asmaa Hosny
        Chief Executive Officer – ITIDA - Egypt

14:00 Keynote Speech

    "Back to the Future"

        Prof. Dr. Mohamed Abo Rezka
        Dean, Center of Excellence, AASTMT

DAY 1 - Tuesday, October 25th, 2016 (Cont'd)

15:00 Lunch

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End of ICCTA 2016 - Day 1 Activities

Day 2

Wednesday, October 26th, 2016

9:00 - 11:30

Session I   **Networks, Security, and High Performance Computing**   *Chairs: Prof. Dr. Ossama Ismail and Prof. Dr. Mustafa Abd Elnaby*
An Optimization Strategy for Improving Security in Steganography   **Xiancheng Wu (Shenzhen University, China)**
Improving Performance of TCP Variants in Long Term Evolution (LTE)   **Saleh M. Abdullah, Osama Younes, Hamdy M. Mousa, and Hatem Abdul-Kader (Menoufia University, Egypt)**
Acceleration of Computational Fluid Dynamics Simulations by Parallelization of the Linear Equation Solver Using Wavefront Technique   **Tamer A. AbdelMigid, Ahmed A. Abouelfarag, Khalid M. Saqr, and Mohamed A. Kotb (Arab Academy for Science, Technology and Maritime Transport, Egypt)**

Session I **Networks, Security, and High Performance Computing**
Chaotic Based Technique for Partial Image Encryption **Mona M. Elkady, Mustafa M. Abd Elnaby, Amr H. Hussein (Tanta University, Egypt), and Hatem M. Abdul Kader (Menoufia University, Egypt)**
Light Weight Encryption for Medical Images **Abeer A. Abou Laimoon, Mustafa M. Abd Elnaby, and Amr H. Hussein (Tanta University, Egypt), and Hatem M. Abdul Kader (Menoufia University, Egypt)**
Design and Implementation of a New Hybrid Defense Mechanism Against DDoS Attacks **Maha T. Ali, Essam El Fakharany, Mohammed E. Shehab (Arab Academy for Science, Technology and Maritime Transport, Egypt), and Magdy El Hennawy (El Shorouk Academy, Egypt)**

11:30 Coffee Break

12:00 - 14:30

Session II Intelligent Computing
Chairs: *Prof. Dr. Khaled Mahar and Prof. Dr. Mohamed Shaheen*
Discriminative EdgeBoxes for Action Recognition **Mohammed El-Masry and Mohamed Waleed Fakhr (Arab Academy for Science, Technology and Maritime Transport, Egypt)**
Automated FISH Signals Fusion Detection for Chronic Myeloid Leukemia Diagnosis **Shrouk Moataz and Mostafa Abd El Azim (Arab Academy for Science, Technology and Maritime Transport, Egypt), and Ashraf AbdelRaouf (Misr International University, Egypt)**
Neural Network Approach for Modeling of Low-Cost Inertial Navigation System Errors **Maged Ismail and Ezzeldin Abdelqawey (Military Technical College, Egypt)**

Session II Intelligent Computing
Forecasting Rainfall based on Hybrid Intelligent System **Hatem Abdel-Kader (Menoufia University, Egypt), Ibrahim Selim (Higher Technological Institute, Egypt), Amira Ahmed (Menoufia University, Egypt), and Mona Mohamed (Higher Technological Institute, Egypt)**
Advanced Neural Network Gait Recognition System with Dynamic Thresholding **Ahmed R. Hawas, Mustafa M. Abd-Elnaby, Heba El-Khobby (Tanta University, Egypt), and Fathi E. Abdel El-Samie (Menoufia University, Egypt)**
Low Dose CT Image Restoration by Incremental Learning and Ant Colony Optimization **Mohamed Hashem (Ain Shams University, Egypt), Essam A. Rashed, and Fatma H. Mohamed (Suez Canal University, Egypt)**

14:30 Lunch

End of ICCTA 2016 – Day 2 Activities

Day 3

Thursday, October 27ᵗʰ, 2016

9:00 - 11:30

Session III   **Software Engineering, SOA, and Industrial Applications**
Chairs: Prof. Dr. Mohamed Taher El Sonni and Dr. Mohamed Kholief
High Impact Bugs Recommender Model   **Yosery Sehab, Fayrouz Elsalmy, Walid M. AbdelMoez, and Yasser El-Sonbaty (Arab Academy for Science, Technology and Maritime Transport, Egypt)**
An Intelligent XML Information Retrieval System   **Saleh M. Elkaffas (Arab Academy for Science, Technology and Maritime Transport, Egypt), Saad M. Darwish, and Ahmed H. Ali (Alexandria University, Egypt)**
A Repaired Genetic Algorithm based Approach for Web Service Security Negotiation   **Amira Abdelatey, Mohamed Elkawkagy, Ashraf El-Sisi, and Arabi Keshk (Menoufi University, Egypt)**

Session III
Software Engineering, SOA, and Industrial Applications
Event-driven Modeling Test Case Generation with Holistic View for Multilevel Services Composition **Shymaa Sobhy, Mahmoud Hussein, and Ashraf El-Sisi (Menoufia University, Egypt)**
Hybrid Techniques for Fast and Low Complexity MIMO Detection **Samar I. Farghaly, Mustafa M. Abd-Elnaby, Amr H. Hussein (Tanta University, Egypt), Fathi E. Abd El-Samie (Menoufia University, Egypt)**
Miniaturized Microstrip Patch Antenna Using Fractal Shape for S-Band, C-Band& Mobile Applications **Mehr-e-Munir, Saad H. Kiani, and Shahryar Shafique (Iqra National University, Pakistan)**

11:30 Coffee Break

End of ICCTA 2016 Activities

ICCTA 2016 Committees

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

Honorary Chair
Prof. Dr. Ismail Abdel Ghafar Ismail Farag
President, Arab Academy for Science, Technology, and
Maritime Transport (AASTMT), Egypt

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