

Tuesday December 19th, 2017

08:30 - 09:00										Registration																	
09:00 - 09:30										Opening Session (Ramsis I)																	
09:30 - 11:00										Plenary Talk (I) (Ramsis I)																	
1		Understanding structural and functional brain networks through imaging										Prof. Jagath Rajapakse Nanyang Technological University, Singapore															
Panel:		Prof. Hoda K. MOHAMMED, Prof. Yasser DAKROURY, Prof. Ashraf SALEM																									
11:00 - 11:15										Coffee Break																	
11:15 - 13:00										CA1: Computer Architecture I (Ramsis I)						BM: Biomedical Engineering (Ramsis II)						CN1: Computer Networks I (Anni Annex)					
										Chair: Dr. Hassan SHEHATAH						Chair: Dr. Seif ELDAWLATLY						Chair: Dr. Hesham FARAG					
										33	Radar False Alarm Processing Using Proposed Algorithm for Xampling and Compressive Sensing	M. H. Hossiny, Sameh G. Salem, Fathy M. Ahmed, K. H. Moustafa	146	Narrowed Coronary Artery Detection and Classification using Angiographic Scans	Salma Amer	56	A Spatiotemporal Scenario to Mitigate Pilot Contamination in 5G Massive MIMO Systems	mahmoud badr, mostafa fouda, Adly Tag Eldien									
										112	Design and Implementation of New Delay-Efficient/Configurable Multipliers using FPGA	soad mohamed, Mahmoud Alshewimy	77	Effect of Tuning TQWT Parameters on Epileptic Seizure Detection From EEG Signals	Eman Abdel-Ghaffar	80	Performance Analysis of MUSA with Different Spreading Codes Using Ordered SIC Methods	Esraa Eid, Mostafa Fouda, Adly Tag Eldien, Mohsen Tantawy									
										123	An Analysis Technique for Improving Delay Factor of Carry Select Adder using FPGA	Basma Shafeq, Mahmoud El shwaimi	100	WeBB: A Brain-Computer Interface Web Browser Based on Steady-State Visual Evoked Potentials	Ahmed G. Yehia, Seif Eldawlatly, Mohamed Taher	130	Remote Control and Monitoring of Fish Farms using Wireless Sensor Networks	Samuel Wilson, Ihab Adly									
										134	Remotely Configurable Fault-Tolerant FPGA-based Pacemaker	Gehad Alkady, Hassanien Amer	101	An Efficient System for Melanoma Diagnosis in Dermoscopic Images	Ahmed Afifi, Khalid Amin	155	Density-based Spatial Clustering Technique for Wireless Sensor Network	Osama Younes, Wala Abdellatif									
										139	Highly Available FPGA-Based Smart Band for WBAN	Gehad Alkady, Malak ElSalamouny, Ihab Adly	117	Adaptive Image Denoising Approach For Low-Dose Computed Tomography	Haneen Elyamani, Samir El-Seoud, Essam Rashed	174	Efficient Energy Management Technique for WSNs	Samah E. Kamel, Tamer F. Ghanem, Khalid M. Amin, Hatem Abdulkader									
										140	Impact of Process Variability on FinFET 6T SRAM Cells for Physical Unclonable Functions (PUFs)	Mohamed Faragalla, Muhammad Ewais, Mahmoud Badran, Hanady Issa, Hani Ragabi	194	Design and Analysis of Low Cost Upper Limb Exoskeleton	Khalil Ibrahim	193	On the Mobility of Data Collectors in WSN	Ayah Muhammad, Samy Soliman, Ashraf Badawi									
148	A neural network Model for Predicting Solar Cells performance	Mohamed Harb	209	A Hybrid Model to Predict Proteins Tertiary Structure	Mohamad Yousef, Tamer Abdelkader, Khaled El-bahnasy																						
13:00 - 14:15										Lunch (Restaurant)																	
										PC: Parallel and Cloud Computing (Ramsis I)						CNS1: Computer Networks & Security I (Ramsis II)						SE1: Software Engineering I (Anni Annex)					
										Chair: Prof. Ahmed H. YOUSEF						Chair: Prof. Ihab ABDELGAWAD						Chair: Dr. Mahmoud KHALIL					
										22	Hybrid Model For Cloud Data Security Using Steganography	Moshira Abd El Naby Ebrahim Azam, Islam El maddah, Hoda Korashy Mohamed	24	Autonomic Management of MPLS Backbone Networks using SDNs	Mohammad Mousa, Ayman Bahaa-Eldin, Mohamed Sobh	19	Automatic Liveness Detection for Facial Images	Mehad Hassan									

14:15 - 16:00	85	A Fragmentation Algorithm for Storage Management in Cloud Database Environment	islam eisa, Rashed Salem, hatem abdel kader	60	Digital signature and authentication mechanisms using new customized hash function for cognitive radio networks	John Soliman, Tarek Abdel Maged, Hadia El-Hennawy	59	Linking Ontologies and Relational Databases: Towards a Unified Lifecycle	Oumar Sy, Denio Duarte, Guilherme Dal Bianco
	141	A Modern Cloud Bursting Framework	Mohammad A. Ibrahim, Gamal Ebrahim, Hoda Korashy	73	Enhancing Accuracy and Security of ADS-B via MLAT Assisted-Flight Information System	Ahmed El Marady	119	Integration of Parallel Genetic Algorithm and Q-learning for QoS-aware Web Service Composition	doaa Elsayed, Eman S. Nasr, Mervat H. Gheith, Alaa El Din M. El Ghazali
	170	Cloud Computing Privacy Issues, Challenges and Solutions	Marianne Azer	110	A Survey on Deep Packet Inspection	Reham ElMaghraby, Nada Abd Elazim, Ayman Bahaa-Eldin	143	The Application of Data Mining for the Trouble Ticket Prediction in Telecom Operators -ICCES 2017	Ahmed Fahmy, Ahmed Hassan, Hoda Korashy
	181	A Load Balancing with Power Optimization Algorithm for Container-based Infrastructure Management	Walid Ashraf, Amr Mohamed, Sameh Salem	129	Data Hiding in a Digital Cover Image Using Chaotic Maps and LSB Technique	Yasmine Abouelseoud	150	IoT Ethics Challenges and Legal Issues	Ahmed AboBakr, Marianne Azer
				149	A Low Computation Message Delivery and Authentication VANET Protocol	Taha Mahdy, Islam Zakaria, Rowayda Sadek	172	Offline Arabic Handwriting Recognition using Hidden Markov Models and Post-Recognition Lexicon Matching	Ahmed Metwally, Mahmoud Khalil, Hazem Abbas
16:00 - 16:15	Coffee Break								
16:15 - 18:00	CS: Control Systems and Robotics (Ramsis I)			CN2: Computer Networks II (Ramsis II)			SE2: Software Engineering II (Anni Annex)		
	Chair: Prof. Wahied ABDELAAL			Chair: Dr. Hazem SAID			Chair: Dr. Hossam ABDELMUNIM		
	29	Adaptive PID sliding surface-based second order sliding mode controller for perturbed nonlinear systems	Nada Moawad, Wael Elawady, Amany Sarhan	16	Dynamic Load Balancing Technique for Software Defined WIFI Networks	Ahmed Samy, Ashraf El-sisi	28	Enhancing Sports Image Searching and Retrieval Using Multi-modality Ontology	Yomna Abdellatif, Sherine Rady, Rasha Ismail, Khaled ElBahasy
	61	Effective Robotic Swarm Communication Using WiMax Technology	Mohamed Abbas	36	Enhancing Wi-Fi Fingerprinting for Indoor Positioning System using Single Multiplicative Neuron and PCA Algorithm	Yousef Basiouny, Mohammed Arafa, Amany Sarhan	40	A Machine Learning Based System for Mostly Automating Opponent Modeling in Real-Time Strategy Games	Ghada ElNahas, Ibrahim Moawad, Mostafa Aref
	103	Experimental Black-Box Dynamic Modelling of a Flexible Manoeuvring System	Tarek Diao-Eldeen, Mohammed Moness	74	Optimal Placement of Access Points for Indoor Positioning using a Genetic Algorithm	Hassan Eldeeb, Mohamed Arafa, Mohamed Faheem	51	A Manifold Learning Framework for Reducing High-dimensional Big Text Data	Rashed Salem
	106	Hybrid Controller for a Lab-scale Software-defined Architecture of Industrial Internet Benchmark Process	Mohammed Moness, Ahmed Moustafa, Abdur-Rahman Muhammad, Al-Shaimaa Younis	153	Adaptive Viterbi decoding of Reed-Muller codes	ahmed elshafey	114	Efficient Image Segmentation of RGB D Images	islam foud, Sherine Rady, mostafa mostafa
	173	Performance of Receding horizon predictive controller for Research Reactors	Mina Andraws, Asmaa Abd El Tawab, Ahmed Hassan, Imbaby Mahmoud, Sherif Hammad	164	Lowered-complexity soft decoding of Generalized LDPC codes over AWGN channels	Sherif Elsanadily, Ashraf Mahran, Osama Elghandour	125	Human Activity Recognition Using Shape Moments and Normalized Fourier Descriptors	hanan khiry, Hossam Abdelmunim, Gamal Aly
	217	LLC Resonant DC-DC Converter for Grid-Connected PV System	Ahmed S. Ragab, Naggat H. Saad and Ahmed A. El-Sattar	216	Safety Improvement in Vehicular Communication Systems	Aia Nagy, Bassem Abdullah, Wagdy Anis	131	Accuracy Evaluation of Arabic Text Classification	mostafa sayed, Rashed khaliil khaliil Salem, yman Khedr

Wednesday December 20th, 2017

Registration									
Plenary Talk (II) (Ramsis I)									
09:30 - 11:00		Big Video Data Analytics: Research Challenges and Trends					Dr. Mohamed Rehan AvidBeam		
2		Panel: Prof. Abdelhalim ZEKRY, Prof. Hazem ABBAS							
Coffee Break									
11:00 - 11:15									
CA2: Computer Architecture II (Ramsis I)			DSP: Digital Signal Processing (Ramsis II)				CNS2: Computer Networks & Security II (Anni Annex)		
Chair: Dr. Yousra ALKABANI			Chair: Dr. Bassem ABDALLAH				Chair: Dr. Haytham ELMILIGI		
11:15 - 13:00	21	Double Logarithmic Arithmetic Technique for GPU	Dina Ellaithy, Magdy El-Moursy	83	A Hardware Design And Implementation For Accelerating Motion Detection Using System On Chip (SOC)	Ahmed S. khalil, Mohamed Shalaby, Emad Hegazi	95	Throughput Maximization based Spectrum Allocation Algorithm for underlay Cognitive Radio Network	Kyrillos Yousef, Nagy Messiha, Mohammed Abd-Elnaby
	96	Introducing IPS: An Integration Processing System for Scalable Architecture	Nagi Mekhiel	104	UNDERDETERMINED SEPARATION OF INSTANTANEOUS SPEECH MIXTURES WITH HIERARCHICAL SPARSE RECOVERY	Zhe Wang, Xiumei Li, Guoan Bi	211	Lattice-Based Cryptography: A Survey	Ayman Mohsen, Ayman Bahaa-Eldin, Mohamed Sobh
	160	An Efficient Computation of Minimal Correction Subformulas for SAT-based ATPG of Digital Circuits	Lamya Ali, Aziza Hussein, Hanafy Ali	105	Advanced Face Recognition System using Chaos Cryptography and Haar Wavelet	Marwa Eid	213	Investigation of the Effects of White Gaussian Noise Jamming on Commercial GNSS Receivers	Mohamed Tamazin
	171	Fault Injection for FPGA Applications in the Space	Radwa Tawfeek, Yousra Alkabani, Mohamed Egila	107	Crowd Density Estimation Using Multiple Features Categories and Multiple Regression Models	Ahmed Gad, Ahmed Hamad, Khalid Amin	185	A Novel Image Encryption Scheme Based on Different Block Sizes for Grayscale and Color Images	Omar Reyad, Walaa Alhafez
	210	Accelerating the BLAST Bioinformatics Algorithm using High Level Synthesis	Reem Khairy, Mona Safar, Mohamed Elkharashi	132	Intelligent Organization of Multiuser Photo Galleries Using Sub-event Detection	Ahmed Abdelhalim, Mohammed Abdel-Megeed Salem	220	Performance Analysis of Secure Communications over α - μ /k- μ Fading Channels	Walaa Hamouda
	214	Dynamically Configurable Radix FFT Algorithm for Real Time Applications	Benjamin Shokry, Mohamed Elkharashi, Mona Safar	154	High Density People Estimation In Video Surveillance	Khaled Abdel-Wahab, Mohamed Rehan, Mohammed Abdel-Megeed Salem, Hisham Othman	221	Protecting Openflow Switches against Denial of Service Attacks	Ebada Essam-Eldin ElDessouky
Lunch (Restaurant)									
13:00 - 14:15									
SE3: Software Engineering III (Ramsis I)			SAI1: Soft Computing and AI techniques (Ramsis II)				CNS3: Computer Networks & Security III (Anni Annex)		
Chair: Dr. Islam ELMADDAH			Chair: Dr. Cherif SALAMA				Chair: Dr. Bassem ABDALLAH		
12	Search Space Pruning by Evolving Probabilistic Strategies	Ahmed Mohammed, Magda Fayek	25	A smart voltage stability maneuver algorithm for voltage collapses mitigation	Mohamed Usama, Hoda Korashy, Islam Elmadah, Mohamed Amer	157	Enhanced Identity Based Broadcast Encryption Scheme Through Open Networks	islam ali	

14:15 - 16:00	39	Incremental Branching Adaptive Radix Tree	Heba El-Fadly, ElSayed Sallam, Mohamed Shoab	32	Towards an Automated Approach for Health Status Evaluation of Patients with Juvenile Idiopathic Arthritis	Amr Ali-Eldin, Eman Hafez, Randa Helal	166	Performance Evaluation of proposed CAC over WiMAX/MPLS-TE/VPN Networks	Ahmed Gab Allah
	42	A Query Expansion Approach using N-Gram Term Collocations for Arabic Information Retrieval	Waseem Alromima , Ibrahim Moawad, Rania Elgohary	46	Enhanced framework for miRNA target prediction	Emad E. Ahmed, Sherin M. El-Gokhy, Mohamed T. Faheem	175	FPGA Based Energy Detection Spectrum Sensing for Cognitive Radios under Noise Uncertainty	Mona Fouda, Adly Tag Eldien, Hala Mansour
	76	Survey: Internet of Things (IoT) security Platforms	Ibrahim Waz, Ayman Bahaa-Eldin, Mohamed Sobh	75	Intelligent Agent For Smart Grid Fault Location Isolation Using Simulink	AbdelRahman Elghareeb	177	A Robust Distributed Authorization Scheme for Availability Enhancement in VANET	Ahmed Ali, Fatty Salem
	188	Using Super Resolution To Enhance License Plates Recognition Accuracy	Menna Ghoneim, Mohamed Rehan, Hisham Othman	121	Parallelized Linear Time Variant Acceleration Coefficients of PSO Algorithm for Global Optimization	mohamed dawood, Khaled Foad, Tarek El shishtawy	180	Replay Attack on Lightweight CAN Authentication Protocol	Pakinam Noureldeen, ahmed Refaat, Marianne Azer, Mahmoud Allam
	212	Taxonomy of malware analysis in the Internet of Things	silvia Soliman, Mohamed Sobh, Ayman Bahaa-Eldin	158	An Arabic Semantic Search Engine for Large Governmental Organization	Walaa Medhat, Ahmed Hassan, Ibrahim Mowad, Khaled Fouad	196	Attacks Detection in Cypher Physical Power Systems Using an Improved NON-NESTED GENERALIZED EXEMPLARS Algorithm	Hisham A. Kholidy, Stefano Lannucci, Qian Chen, Shamik Sengupta, Sherif Abdelwahed, John Hamilton
	98	High Performance Computing Model for Action Localization in Video	Ahmed Samir, Magdy Aboulela						
16:00 - 16:15 Coffee Break									
16:15 - 18:00	SE4: Software Engineering IV (Ramsis I)			SAI2: Soft Computing and AI techniques (Ramsis II)			MS: Modelling and Simulation (Anni Annex)		
	Chair: Dr. Ayman EZZAT			Chair: Prof. Hani Kamal MAHDI			Chair: Prof. Mostafa GOMAA		
	113	Spacecraft On-board Real Time Software Architecture for Fault Detection and Identification	Ehab Omran	5	Elephant Herd Optimization with Neural Networks: A case study on Acute Lymphoblastic Leukemia Diagnosis	ahmed sahlol, Aboul Ella Hassanien, Fatma Helmy, Ahmed Abdeldaim	66	FPGA Implementation of Pulsed Noise Interference against LFM Radar	Tamer M. Samy, M. S. Soliman, Sherif A. Elgamel , Fathy M. Ahmed
	133	Enhancement of Phylogenetic Tree Construction based on Differential Evolution Algorithm	Samar zayed, Sherin M. El-Gokhy, Mohammed T. Faheem	13	Neutrosophic Rule-based Prediction System for Assessment of pollution on Benthic Foraminifera in Burullus Lagoon in Egypt	ahmed sahlol, Sameh Basha, Aboul Ella Hassanien	94	Performance Evaluation for Video Streaming Data over LTE-A Networks	Hegazi Ibrahim, Mohamed Mohamed
	135	Hazard Analysis of Real-time Safety Critical Systems Using Hierarchical Communicating Real-time State Machines Formal Model	ahmed bakr, Mostafa Fouda, May Mohamed, Abdelwahab Alsammak, Hossam Yabia	201	Arabian Horse Identification System using Dynamic Binary Particle Swarm Optimization	Aboul Ella Hassanien	144	Analysis and simulation of round gimbale electrostatic torsion micromirror	Ahmed Bahgat, Ahmed H. Zaki, Mohamed Abdo M., Ashraf Elsherif
	138	An Acceleration Technique for Cone Beam CT Reproduction	Hassan Youness, Marwa Abas	202	Chaotic Crow Search Algorithm for Engineering and Constrained Problems	Aboul Ella Hassanien	184	Sub-Nyquist Wideband Spectrum Sensing Based on Random Demodulation in Cognitive Radio	Marwa Mashhour, Aziza Hussein
178	Software-defined PMC-based Runtime Power Management System for a Many-core Neuromorphic Platform	Indar Sugiarto, Delong Shang, Steve Furber, Amit Kumar Singh, Bassem Ouni, Geoff Merrett, Bashir Al-Hashimi	203	An Optimized Neural Networks using Genetic Algorithm for Evaluation of Cisplatin Efficiency as a Chemotherapeutic Drug	Aboul Ella Hassanien	215	Generalized Droop Based Control For an Islanded Microgrid	Mohamed Anwar, Mostafa Marei, Ahmed A. El-sattar	

	190	An Analytical Metalens Design Approach of CST Studio Analysis for Breast Minimum Full Electric Field Coverage	heba hasan	205	Hybridized of Water Wave Optimization and Support Vector Machine to Improve EMG Signal Classification for Neurogenic Disorders	About Ella Hassanien			