

The first Day: 28 March 2019	
9.0-9.10 am	Welcome message by Professor Mohamed F. Tolba and chairing the session
09.10-10.00 am	Invited talk (1) Multi-modal and Uncertain Optimization with Differential Evolution - Some Recent Approaches and Future Challenges by Professor Swagatam Das , Indian Statistical Institute
10.00 -11 am	Invited talk (2) Modern Algorithms in Control and Design of Complex Systems by Professor Ivan Zelinka
Break 11.am – 11.15 am	
11.15-01.00	Session (1) Learning and its Applications Session Chair Professor Roheet Bhatnagar
11.15-11.30	Reduced 3-D Deep Learning Framework for Hyperspectral Image Classification by Nouredin Laban, Bassam Abdellatif, Hala M. Ebeid, Howida A. Shedeed, and Mohamed F. Tolba
11.30-11.45	Data Augmentation and Feature Fusion for Melanoma Detection with Content Based Image Classification by Rik Das, Sourav De, Siddhartha Bhattacharyya, Jan Platos, Vaclav Snasel and Aboul Ella Hassanien
11.45-12.00	Bayesian Classification of Personal Histories: An application to the Obesity Epidemic by Christopher R. Stephens and Jos´e Antonio Borrás Guti´errez
12.00-12.15	An Efficient Deep Convolutional Neural Network for Visual Image Classification by Basma Abd El-Rahiem, Muhammad Atta Othman Ahmed, Omar Reyad, Hani Abd El-Rahaman, Mohamed Amin, and Fathi Abd El-Samie
12.15-12.30	Turning caregivers into informed agents as a strategy to disseminate scientific information about cancer by Ali Ruiz Coronel and Fernando Ramirez Alatrister
12.30-12.45	New Nano-robots Control Strategy for Killing Cancer Cells Using Quorum Sensing Technique and Directed Particle Swarm Optimization Algorithm by Doaa Ezzat, Safaa Amin, Howida A. Shedeed and Mohamed F. Tolba
01-00-01.30 Coffee break	
01.30-2.30	Session (2) Swarm Optimization and Applications Session chair: Professor Saad M. Darwish
01-30-01.45	Parameter Estimation for Chaotic Systems using the Fruit Fly

	Optimization Algorithm by Saad M. Darwish, Amr Elmasry, and Asmaa H. Ibrahim
01.45-02.00	Optimal Shortest Path in Mobile Ad-Hoc Network based on Fruit Fly Optimization Algorithm by Saad M. Darwish, Amr Elmasry, and Shaymaa H. Ibrahim
02.00-02.15	Swarm Optimization for solving load balancing in cloud computing by Aya A. Salah Farrag, Safia Abbas Mohamad, and El Sayed M. El-Horbaty
02.15-02.30	Enhanced Evolutionary Algorithm and Chaos Search for Bilevel Programming Problems' by Yousria Abo-Elnaga, S.M. Nasr, I. M. El_Desoky, Z. M. Hendawy, A.A. Mousa
	Game Theory based Solver for Dynamic Vehicle Routing Problem by Saad M. Darwish and Bassem E. Abdel-Samee
02.30-03.30	Lunch
03.30-05.30	Session (3) Data mining and Machine Learning Chair: Professor Siddhartha Bhattacharyya
03.30-03.45	MolecRank: A Specificity-based Network Analysis Algorithm Ranking Therapeutic Molecules in the Bibliome by Ahmed Abdeen Hamed, Agata Leszczynska, and Mark Schreiber
03.45-04.00	Detecting Epileptic Seizures Using Abe Entropy, Line Length and SVM Classifier by Aya Naser, Manal Tantawi, Howida shedeed, and Mohamed F. Tolba
04.00-04.15	Comparative Analysis of Unmixing Algorithms Using Synthetic Hyperspectral Data by Menna M. Elkholy, Marwa Mostafa, Hala M. Ebeid and Mohamed F. Tolba
04.15-04.30	Using Eye Movement to Assess Auditory Attention by Alaa Bakry, Radwa Al-khatib, Randa Negm, Eslam Sabra, Mohamed Maher, Zainab Mohamed, Doaa Shawky , and Ashraf Badawi
04.30-04.45	Reduction of Variations using Chemometric Model Transfer: A Case Study using FT-NIR Miniaturized Sensors by Mohamed Hossam, Amr Wassal, and M. Watheq El-Kharashi
04.45-05.00	A distributed multi-source feature selection using Spark by Bochra Zaghdoudi , Waad Bouaguel and Nadia Essoussi

05.00-05.15	Identifying Different Types of Biclustering Patterns Using a Correlation-Based Dilated Biclusters Algorithm by Mahmoud Mounir, Mohamed Hamdy and Mohamed Essam Khalifa
05.15-05.30	Reduction of Variations using Chemometric Model Transfer: A Case Study using FT-NIR Miniaturized Sensors by Mohamed Hossam, Amr Wassal, and M. Watheq El-Kharashi
First Day closed	

The 2nd Day: 29 March 2019	
9.00-11.30	Session (1) Learning and cyber security Session Chair Professor Ashraf Darwish
9.00-9.15	City Crime Mapping using Machine Learning Techniques by Nitish Yadav, Ashish Kumar, Roheet Bhatnagar, and Vivek Kumar Verma
9.15-9.30	Applying Cryptographic Techniques for Securing the client data signals on the Egyptian optical transport network by Kamel H. Rahoma and Ayman A. Elsayed
9.30-9.45	A blind fragile based medical image authentication using Schur Decomposition by Abdallah Soualmi, Adel Altı, Lamri Laouamer and Morad Benyoucef
9.45-10.00	Image Encryption Algorithm Methodology Based on Multi-Mapping Image Pixel by W. M. Abd-Elhafiez, Omar Reyad, M. A. Mofaddel and Mohamed Fathy
10.00-10.15	A Language Identification System based on Voxforge Speech Corpus by Khaled Lounnas, Mourad Abbas, Hocine Teffahi, and Mohamed Lichour

10.15-10.30	Fragile watermarking techniques for 3D model authentication: Review by Kariman M.Mabrouk, Noura A.Semary, and Hatem Abdul-Kade
10.30-10.45	Supervised Performance Anomaly Detection in HPC Data Centers by Mohamed Soliman Halawa, Rebeca P. Díaz Redondo, and Ana Fernández Vilas
10.45-11.00	Influence Ranking Model for Social Networks Users by Nouran Ayman, Tarek F. Gharib, Mohamed Hamdy, and Yasmine Afify
11.00 – 01.00 Break	
01.00-01.15	Session (2) Intelligent systems Chair
01.15-01.30	Analyzing Electrooculography (EOG) for Eye Movement Detection by Radwa Reda, Manal Tantawi, Howida shedeed, Mohamed F. Tolba
1.30-1.45	Performance Evaluation of Research Reactors under Different Predictive Controllers by Mina S.Andraws , Asmaa A.Abd El_hamid , Ahmed H.Yousef , Imbaby I.Mahmoud and Sherief A.Hammad
1.45-2.00	A Semantic Text Summarization Model for Arabic Topic-Oriented by Rasha M.Badry and Ibrahim F.Moawa
2.00-2.15	IOT-Based conceptual Framework for the Prevention of Acute Air Pollution Episodes for reducing and limiting related Diseases in Egypt by Basmah El Haddad and Zainab Elsadi
2.15-2.30	None-Invasive Calibration-Free Blood Pressure Estimation based on Artificial Neural Network by Nashat Maher,G.A.Elsheikh, Wagdy R.Anis and Tamer Emara
2.30-2.45	Towards a Portable SLU System Applied to MSA and Low-resourced Algerian Dialects by Mohamed Lichouri, Rachida Djeradi, Amar Djeradi, and Mourad Abbas

2.45-3.00	
3.00-4.00	Lunch
4.00-5.00	Session (3) Machine Learning and its applications Chairs Professor Aboul Ella hassanien
4.00-4.15	Applying Polynomial Learning for Soil Detection based on Gabor wavelet and Teager Kaiser Energy Operator by Kamel H. Rahouma and Rabab Hamed M.Aly
4.15-4.30	Automated Essay Evaluation based on Fusion of Fuzzy Ontology and Latent Semantic Analysis by Saad M. Darwish, Sherine Kh. Mohamed
4.30-4.45	A Novel Automated Financial Transaction System using Natural Language Processing by Sachin Agarwal, Prasenjit Mukherjee, Baisakhi Chakraborty and , Debashis Nandi
4.45-5.00	Correlating Thermal Anomaly with Earthquake Occurrences using Remote Sensing by Utpal Kanti Mukhopadhyay, Richa N. K. Sharma, Shamama Anwar and Atma Deep Dutta
5.00-5.15	Facilitating classroom orchestration using EEG to detect the cognitive states of learners by Zainab Mohamed, Mohamed El Halaby, Tamer Said, Doaa Shawky, and Ashraf Badawi
5.15-5.30	3D Geolocation Approach for Moving RF Emitting Source Using Two Moving RF Sensors"
5.30-5.45	Ans2vec: A scoring system for short answers by Wael Hassan Gomaa and Aly Aly Fahmy
5.45-6.00	Parallel Computation for Sparse Network Component Analysis by Dina Elsayad, Safwat Hamad, Howida A. Shedeed, and M. F. Tolba
6-9 pm	Closing and Dinner (Nile Cruises

Poster sessions 1st Day 12-4 pm

1. A Hybridization of Sine Cosine Algorithm with Steady State Genetic Algorithm for Engineering design problems by M.A. El-Shorbagy, M.A. Farag, A.A. Mousa, I.M. El-Desoky
2. Mining student information system records to predict students' academic performance by Amjad Abu Saa, Mostafa Al-Emran and Khaled Shaalan
3. Poverty and its Relation to Crime and the Environment: Applying Spatial Data Mining to Enhance Evidence-Based Policy by Christopher R. Stephens, Oliver L'opez-Corona Ricardo David Ru'iz, and Walter Mart'inez Santana
4. A New Image Watermarking Technique in Spatial Domain using DC Coefficients and Graph Representation by Lamri Laouamer
5. Role of Robotic Process Automation in Pharmaceutical Industries by Nitu Bhatnagar
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Poster 2nd day 12- 4pm

1. A Proposed Approach for Arabic Semantic Annotation by Ghada Khairy, A. A. Ewees, Mohamed Eisa
2. Applications of Machine Learning in Cyber Security: A Review and a Conceptual Framework for a University Setup By Rishabh Jain and Roheet Bhatnagar
3. Exploring different approaches for parsing Telugu by B. Venkata Seshu Kumari, A.Giri Prasaad, M.Susmitha, Vikram Raju R, Roheet Bhatnagar
4. Combining CMMI Specific Practices with Scrum Model to Address Shortcomings in Process Maturity by Sarah K. Amer, Nagwa Badr, Ahmed Hamad

Poster 2nd day 12- 4pm

1. A Survey on Human Activity Recognition based on Temporal Signals of Portable Inertial Sensors by Reda Elbasiony and Walid Gomaa
2. Smart and Incremental Model to Build Clustered Trending Topics of Web Documents by Mona A. Abou-Of, Hassan M. Saad , and Saad M. Darwish
3. World Perception of the Latest Events in Egypt Based on Sentiment Analysis of the Guardian's Related Articles by Walid Gomaa and Reda Elbasiony
4. Analysis of Classification Methods for Gene Expression Data by Lamiaa Zakaria, Hala M. Ebeid, Sayed Dahshan and Mohamed F. Tolba