Agenda of Session-1

16th International Computer Engineering Conference
ICENCO 2020
Virtual Conference (ONLINE Attendance)
Faculty of Engineering, Cairo University
Giza, EGYPT, December 29-30, 2020
ICenco2020.eng.cu.edu.eg

Session -1   Tuesday 29 December 2020

No	From	TO	ID	Paper Title
1	09.00 AM	09.15 AM	49	Quantum networking, where it is headed
2	09.15 AM	09.30 AM	21	A non-Symmetric Key Dependent for Reverse Encryption Algorithm (REA)
3	09.30 AM	09.45 AM	55	Lag Synchronization for Complex-Valued Rabinovich System with Application to Encryption Techniques
4	09.45 AM	10.00 AM	38	Quantum computer architecture from non-conventional physical simulation up to encryption cracking, machine learning application, and more: a survey.
5	10.00 AM	10.15 AM	33	Efficient Group Authentication Protocol for Secure 5G Enabled Vehicular Communications

Note: Link for Video connection on Webex will be sent by mail.

Agenda of Session - 2

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Session -2   Tuesday 29 December 2020

No	From	TO	ID	Paper Title
1	11.00 AM	11.15 AM	7	Automatic Multi-Style Egyptian License Plate Detection and Classification in High-Resolution Videos Using Deep Learning
2	11.15 AM	11.30 AM	26	Automatic Classification of Retinal Eye Diseases from Optical Coherence Tomography using Transfer Learning
3	11.30 AM	11.45 AM	36	High Accurate Counting of Steel Rebar with Defected Tips
4	11.45 AM	12.00 PM	42	Utilization of Image Processing Strategy to Detect Crack on Walls

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Agenda of Session - 3

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Session -3   Tuesday 29 December 2020

No	From	TO	ID	Paper Title
1	02.00 PM	02.15 PM	22	Demonstration of Forward Collision Warning System Based on Real-Time Computer Vision
2	02.15 PM	02.30 PM	24	FPGA Implementation of Delayed Fractional-Order Financial Chaotic System
3	02.30 PM	02.45 PM	63	Generalized α+β-order Filter Based on Single CCII
4	02.45 PM	03.00 PM	5	Cobot Fleet Management System Using Cloud and Edge Computing

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Agenda of Session - 4

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Session -4   Tuesday 29 December 2020

No	From	TO	ID	Paper Title
1	04.00 PM	4.15 PM	4	A Machine Learning Model for Classifying US Airline Twitter Data
2	4.15 PM	4.30 PM	30	Comparative Evaluation of Face Detection Algorithms
3	4.30 PM	4.45 PM	43	An approach to investigate the effectiveness of multi-task learning
4	4.45 PM	5.00 PM	20	K-Means Tree for Fast Furthest Neighbor Approximation
5	5.00 PM	5.15 PM	40	Unmanned Aerial Vehicle Flight Mode Classification using Convolutional Neural Network and Transfer Learning

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Agenda of Session - 5

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Session -5   Tuesday 29 December 202

No	From	TO	ID	Paper Title
1	06.00 PM	6.15 PM	47	Hybrid Fuel Cell/Battery Intelligent Energy Management system for UAV
2	6.15 PM	6.30 PM	52	Word Embeddings and Neural Network Architectures for Arabic Sentiment analysis
3	6.30 PM	6.45 PM	58	Combined regional and spatio-temporal approach improves hepatic tumors classification in Multiphase CT
4	6.45 PM	7.00 PM	39	Applied Internet of Things in Saudi Arabia Airports
5	7.00 PM	7.15 PM	57	Automatic Healthcare Diagnosis and Prediction Assessment based on AI Multi-Classification Algorithm

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Agenda of Session - 6

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Session -6   Wednesday 30 December 2020

No	From	TO	ID	Paper Title
1	09.00 AM	09.15 AM	10	A New Core Level Utilization Algorithm for Energy-Efficient Multicore Systems
2	09.15 AM	09.30 AM	56	The Inverse Kinematics Analysis For Tendon-Driven Robot Based On An Adaptive Neuro-Fuzzy Inference System
3	09.30 AM	09.45 AM	64	Fractional-Order Generalized Gene Regulation Model CCII-Based Practical Emulator
4	09.45 AM	10.00 AM	29	Sustainability Application for building the most sustainable and environmental power plant.
5	10.00 AM	10.15 AM	6	An Operational View into Docker Registry with Scalability, Access Control and Image Assessment

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Agenda of Session - 7

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Session -7   Wednesday 30 December 2020

No	From	TO	ID	Paper Title
1	11.00 AM	11.15 AM	12	Approximate Neural Network Model for Adaptive Model Predictive Control
2	11.15 AM	11.30 AM	32	Grasping stability analysis of an underactuated three finger adaptive gripper on Matlab sim-mechanics
3	11.30 AM	11.45 AM	35	Gray Wolf Optimization of Fractional Order Control of 3-Omni Wheels Mobile Robot:Experimental Study.
4	11.45 AM	12.00 PM	61	Chaotic Harris Hawks Optimization for Unconstrained Function Optimization

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Agenda of Session - 8

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Session -8   Wednesday 30 December 2020

No	From	TO	ID	Paper Title
1	02.00 PM	02.15 PM	54	A Review of Machine learning Use-Cases in Telecommunication Industry in the 5G Era
2	02.15 PM	02.30 PM	53	IOT Enabled Automatic Dates Palm Processing and Packaging System
3	02.30 PM	02.45 PM	46	A Socially-Inspired Energy-Efficient Resource Allocation Algorithm for Future Wireless Network
4	02.45 PM	03.00 PM	37	Quantum Radar: A Brief Analytical Study

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Agenda of Session - 9

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Session -9   Wednesday 30 December 2020

No	From	TO	ID	Paper Title
1	04.00 PM	4.15 PM	17	Full-Duplex Relay-Aided D2D Communication in Heterogeneous Network with Imperfect CSI
2	4.15 PM	4.30 PM	50	Wireless ATMEL AVR In-Circuit Serial Programmer based on Wi-Fi and ZigBee
3	4.30 PM	4.45 PM	9	Visible Light Communications Localization Error Enhancement using Parameter Relaxation
4	4.45 PM	5.00 PM	44	Interference Mitigation in MIMO Systems with Imperfect CSI using Beamforming based Precoding Algorithm
5	5.00 PM	5.15 PM	15	Underdetermined Beamspace Compressed Sensing DOA Estimation
6	5.15 PM	5.30 PM	23	Generation of OFC by Self-Phase Modulation and Multiple Laser Sources in HNLF

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