

# PROGRAM

## 18<sup>th</sup> International Computer Engineering Conference ICENCO 2022

Faculty of Engineering, Cairo University  
Giza, EGYPT, December 29, 2020

Thursday 29 December 2022

**Session -1: Machine Learning – Neural Networks** Moderator: Prof. Amir Attyia - Cairo University

No	From	TO	Paper Title
---	10.00	10.30 AM	Opening Speech and Welcome Prof. Ahmed Hassan - IEEE Egypt Section Chair Dean Nile University
1	10.30 AM	10.45 AM	Emotional Speech Synthesis using End-to-End neural TTS models <i>Nithin S K, Jay Prakash</i>
2	10.50 AM	11.05 AM	Threshold Energy Based LEACH-K Effect on the Accessibility of Wireless Sensor Networks <i>Ahmed Ashraf Afify, Rania M Tawfik, and M. Saeed Darweesh</i>
3	11.10 AM	11.25 AM	Convolutional Neural Network for Cancer Treatment Response Prediction <i>Hanan Ahmed, Howida A. Shedeed, Safwat Hamad, Ashraf S. Hussein</i>
4	11.30 AM	11.45 AM	DDoS Attack Detection in IoT Using Machine Learning Based Intrusion Detection System (IDS) <i>Mohamed ElKashlan, Heba Aslan, Marianne A. Azer</i>
5	11.50 PM	12.05 PM	Teeth and Jaw Segmentation from CBCT images Using 3D Deep Learning Models <i>Yassmina Abdo, Nader Mohamed, Maryam Alsawaf, Mohamed Elsaheed</i>
6	12.10 PM	12.25 PM	Online Reconfigurable Convolutional Neural Network for Real-Time Applications <i>Ahmed Shams, Mohamed Sabry, Hassan Soubra, Mohammed A.-M. Salem</i>

**Session -2: Image Proessin – Communications** Moderator: Dr. Basem Mohamed Ibrahim ERI

No	From	TO	Paper Title
1	01.20 PM	01.35 PM	Cooperative NOMA Heterogeneous V2X Network in THz Band <i>Shady.H.A.Samy, Engy A. Maher, Ahmed El-Mahdy</i>
2	01.40 PM	01.55 PM	Fuzzy C-Means Based CAD System for Liver Tumors Segmentation from CT Scans <i>Yasmeen Al-Saeed, Wael A. Gab-Allah, Mohammed Elmogy</i>
3	02.00 PM	02.15 PM	Mitigation of Satellite Micro Vibrations on Remote Sensing Images <i>Mohamed A. Ali, Adel Abdel Razek Omer, Fawzy Eltohamy, Mohamed E. Hanafy</i>
4	02.20 PM	02.35 PM	Kinship Verification Analysis Based on Color Features <i>Nermeen Nader, Fatma EL-Zahraa A. EL-Gamal, Mohammed Elmogy</i>
5	02.40 PM	02.55 PM	Performance Evaluation for RIS-Assisted Communications with Power Allocation and Phase Shift Optimization <i>Omar Wasif, Engy Aly Maher, Ahmed El-Mahdy</i>

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**Session -3: Control and Communications**

**Moderator**

**Prof: Reda Abdelwahab - Cairo University**

No	From	TO	Paper Title
1	03.30 PM	03.45 PM	<b>PID Control of Dual Axis Inertially Stabilized Platform Simscape Multibody Model</b> <i>K.M. Ahmed, Amr A. Roshdy, W.G. Ata, A.M.Salem</i>
2	03.50 PM	04.05 PM	<b>MEMS Gyroscope Drift Performance Enhancement Using Single Axis Rotation Modulation Technique</b> <i>Ahmed M. Salman, Shady A. Maged, Sherif Hammad, Mohamed A. E. Mahmoud</i>
3	04.10 PM	04.25 PM	<b>Performance Analysis for Fractional Order Fuzzy PID Controller: A Comparative Study with Various PID Controller Structures Technique</b> <i>Emad A. Elsheikh, Mohamed I. Abdo</i>
4	04.30 PM	04.45 PM	<b>A Directed Graph and MATLAB Generation of the Jordan Canonical Form for a Class of Zero-One Matrices</b> <i>Raouth R. Ghabbour, Islam H. Abdelgalil, Magdy Tawfik Hanna</i>
5	04.50 PM	05.05 PM	<b>Self Balancing Quad-Copter Using PID Controller</b> <i>A. Elrouby, H. Hendy, M. Ashry</i>
6	05.10 PM	05.25 PM	<b>Comparative Analysis of Attitude Control Systems for Small Satellites Based on Linear Controllers</b> <i>A. Elrouby, H. Hendy, M. Ashry</i>

**Session-4: AI and Application**

**Moderator**

**Prof: : Mohamed Zaki -Azhar University**

No	From	TO	Paper Title
1	06.00 PM	06.15 PM	<b>ICT Governance Performance Implications in Higher Education: A Systematic Review of the Literature</b> <i>Ali Etkkali, Poba-Nzou Placide, Carlos Denner dos Santos</i>
2	06.20 PM	06.35 PM	<b>Brain Cancer Diagnosis Based on Histopathological Images Using Handcrafted Features</b> <i>Naira Elazab, Wael A. Gab-Allah, Mohammed Elmogy</i>
3	06.50 PM	07.05 PM	<b>Enhanced Parkinson's Disease Genes Prediction</b> <i>Marwa Helmy, Nagham Mekky, Hassan Soliman, Mohammed Elmogy, Eman Eldaydamony</i>
4	07.10 PM	07.25 PM	<b>Light-Weight Intelligent Egyptian Food Detector For Diabetes Management</b> <i>Menna-allah Sayed, Aya Saafan, Salma Zakzouk, Mustafa A. Elattar, and M. Saeed Darweesh</i>
5	07.30 PM	07.45 PM	<b>A Framework for Reporting Ergonomic Sitting Posture Anomalies</b> <i>Ahmed M. Tawfiq, Nashwa Abdelbaki</i>
6	07.50 PM	08.05 PM	<b>Distributed Sensors, Computation and AI for Automation, Protection and Maintenance of Power Grid</b> <i>Shahriar Khan, C.A.B. Russell</i>
7	08.10 PM	08.25 PM	<b>Flight Trajectory and CoMP Design for Communication Energy Minimization in UAV-Enabled Cellular Networks</b> <i>Mostafa M. Abdelhakam, Mahmoud M. Elmesalawy, Ibrahim I. Ibrahim, Samir G. Sayed</i>

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