

ICPET



2019 International Conference on Promising Electronic Technologies (ICPET 2019)

Al Mashtal Hotel, Gaza City - Palestine 23-24 October 2019

First Day - 23 October 2019

Opening Ceremony – Main Hall

Time	Title
08:30 – 09:15	Registration
09:15 – 09:20	Holly Quran & Palestinian National Anthem
09:20 – 09:25	Speech by the Representative of Higher Council for Innovation and Excellence
09:25 – 09:30	Speech by the Chair of the Organizing Committee
09:30 – 09:35	Speech by the Dean of the Faculty of Engineering & Information Technology, Al-Azhar University – Gaza (Conference Chair)
09:35 – 09:40	Speech by conference Co-Chair and Scientific Committee Chair from Palestine Technical College - Deir El-Balah
09:40 – 09:45	Speech by the Dean of Palestine Technical College - Deir El-Balah
09:45 – 09:50	Speech by the President of Al-Azhar University
09:50 – 10:00	Speech by the Minister of Higher Education and Scientific Research
10:00 – 10:20	Coffee Break

Keynote Talk I - Main Hall

Time	Title	Speaker
10:20 – 10:40	Design Patterns to Build Large Resilient and Predictable Systems	Prof. Raimund Kirner University of Hertfordshire, UK

First Session: Capacity Building in Engineering - Main Hall

Chairperson: Prof. Ihab Zaqout

Time	Paper (Authors and Title)	Speaker
10:40 – 11:00	Isam Ishaq, Rashid Jayousi, Salaheddin Odeh, et al. <u>“Establishing Master Program in Cyber Physical Systems: Basic Findings and Future Perspectives”</u>	Dr. Isam Ishaq - Al-Quds University, Eng. Asmaa Shaheen - Palestine Technical College, Palestine
11:00 – 11:20	Taleb B. F. Alranyes, Sadiq Abdelall, Ahmed Issa, Mohammad O. A. Aqel and Salah Alagha. <u>“On the Need of Rehabilitation Engineering in the Palestinian Territories: Needs Assessment Study”</u>	Dr. Taleb Alranyes Islamic University – Gaza, Palestine
11:20 – 11:40	Coffee Break	



Second Session: Rehabilitation Engineering – Main Hall

Chairperson: Dr. Samy Salamah

Time	Paper (Authors and Title)	Speaker
11:40 – 12:00	Mohammad O. A. Aqel, Ahmed Issa, Abeer A. Elsharif, Suad Ghaben, Y.S.M. Alajerami, Hassan Khalaf, Taleb Alrayyes, Daniel Bratanov, Mojca Debeljak and Dermot Brabazon. <u>“Review of Recent Research Trends in Assistive Technologies for Rehabilitation”</u>	Dr. Mohammad Aqel and Eng. Abeer Elsharif - Al-Azhar University – Gaza, Palestine
12:00 – 12:20	Ahmed Issa, Mohammad O. A. Aqel, Suad Ghaben, Areej Abu Asad, Kawther Eldahdooh, Salwa Alastal and Daniel Bratanov. <u>“Build and Control of a Continuous Passive Motion Device using Mobile Application and Arduino”</u>	Eng. Areej Abu Asad and Eng. Salwa Alastal - Al-Azhar University – Gaza, Palestine
12:20 – 12:40	Mohammad O. A. Aqel, Ahmed Issa, Ahmad Harb and Jihad Shehada. <u>“Development of Vibrotactile Braille Display and Keyboard”</u>	Eng. Ahmad Harb and Eng. Jihad Shehada – Al-Azhar University – Gaza, Palestine

Demo of Graduation Projects – Demo Hall

Time	Title
12:40 - 13:00	Rehabilitation Technologies
13:00 – 13:45	Lunch Break (ONLY invited persons to launch)

Third Session: IoT and Smart Systems – Main Hall

Chairperson: Dr. Ahmed Mahmoud

Time	Paper (Authors and Title)	Speaker
13:45 – 14:05	Mohamed Abdelati and Georg Frey. <u>“Building a Smart Domestic Water Management Controller”</u>	Prof. Mohamed Abdelati Islamic University – Gaza, Palestine
14:05 – 14:25	Haya Sammaneh and Muhannad Al-Jabi. <u>“IoT-Enabled Adaptive Smart Water Distribution Management System”</u>	Eng. Haya Sammaneh An-Najah University, Palestine
14:25 – 14:45	Ezzaldeen Edwan, Fatma Shaheen, Asmaa Y. Shaheen and Asmaa Sarsour. <u>“Automated NFC Based System for Management and Tracking of Assets in Sharing Economy”</u>	Dr. Ezzaldeen Edwan, Eng. Fatma Shaheen - Palestine Technical College, Palestine
14:45 – 15:05	Ezzaldeen Edwan, Nader Sarsour and Manar Alatrash. <u>“Mobile Application for Bumps Detection and Warning Utilizing Smartphone Sensors”</u>	Dr. Ezzaldeen Edwan, Eng. Nader Sarsour - Palestine Technical College, Palestine
15:05 – 15:25	Islam Mohammad Albatish and Samy S. Abu-Naser. <u>“Modeling and Controlling Smart Traffic Light System Using a Rule Based System”</u>	Eng. Islam Elbatish - Al-Azhar University – Gaza, Palestine
15:25 – 15:40	Coffee Break	

Fourth Session: Communication Systems – Main Hall

Chairperson: Dr. Mustafa Abu Nasr

Time	Paper (Authors and Title)	Speaker
15:40 – 16:00	Mohammad Kouali, Watan Zafer and Atallah Balalem. <u>“Design and Analysis of Compact MIMO Antenna for UWB Applications”</u>	Eng. Watan Zafer - Al-Quds University, Palestine
16:00 – 16:20	Imad Shaheen, Abdelhalim Zekry and Fatma Newagy. <u>“Complexity Analysis of FBMC/OQAM Transceiver using SRRC Polyphase Filter”</u>	Dr. Imad Shaheen – University College of Science and Technology, Palestine
16:20 – 16:40	Imad Shaheen and Abdelhalim Zekry. <u>“Design and Implementation of FBMC/OQAM Transceiver for 5G Wireless Communication system”</u>	Dr. Imad Shaheen - University college of Science and Technology, Palestine
16:40 – 17:00	Heba Ahmed, Abdelrhman Abotaleb, Eman Mohamed and Abdelhalim Zekry. <u>“CS-ACELP Speech Coding Simulink Modeling, Verification, and Optimized DSP Implementation on DSK 6713”</u>	Eng. Heba Elsayed - Ain-Shams University, Egypt

Second Day - 24 October 2019

Keynote Talk II - Main Hall

Time	Title	Speaker
09:00 – 09:20	Arabic Ontology Learning from Unstructured Legal Documents	Prof. Faiez Gargouri University of Sfax, Tunisia

Fifth Session: Artificial Intelligence – Main Hall

Chairperson: Prof. Samy Abu Naser

Time	Paper (Authors and Title)	Speaker
09:20 – 09:40	Akram Radwan. <u>“Machine Learning Methods to Detect Maliciousness of Portable Executable Files”</u>	Dr. Akram Radwan - University College of Applied Sciences, Palestine
09:40 – 10:00	Eman Alajrami, Hani Tabash, Yassir Singer and M.-T. El Astal. <u>“On using AI-based human identification in improving surveillance system efficiency”</u>	Eng. Eman Alajrami University of Palestine, Palestine
10:00 – 10:20	Mahmoud R. Alfarra, Abdalfattah M. Alfarra and Jamal M. Alattar. <u>“Graph-based Fuzzy Logic for Extractive Text Summarization (GFLES)”</u>	Mr. Mahmoud Alfarra University College of Science and Technology, Palestine
10:20 – 10:40	Ihab Zaqout. <u>“Diagnosis Methods of Skin Lesions in Dermoscopic Images: A Survey”</u>	Prof. Ihab Zaqout - Al-Azhar University – Gaza, Palestine
10:40 – 11:00	Coffee Break	



Sixth Session: Robotics & Electronic Systems – Main Hall

Chairperson: Dr. Ezzaldeen Edwan

Time	Paper (Authors and Title)	Speaker
11:00 – 11:20	Abdelrahman Elagha, Ahmad El-Farra and Mohanad Shehada. <u>“Design a non-invasive pulse oximeter device based on PIC microcontroller”</u>	Eng. Abdelrahman Elagha University College of Science and Technology, Palestine
11:20 – 11:40	Falah Mohammed, Allam Mousa, Ahmed Masri and Yousef Dama. <u>“Negative resistance feedback oscillator design for Internet Over TV (IOTV) application”</u>	Dr. Falah Mohammed - An-Najah University, Palestine
11:40 – 12:00	Ahmed Issa, Mohammed Elshorafa, Mohammad O. A. Aqel, Nashat Naim and Dermot Brabazon. <u>“Design and Build of a Tele-Operated and Robot-Assisted Multi-Material 3D Printer System”</u>	Eng. Mohammed Elshorafa - Al-Azhar University – Gaza, Palestine
12:00 – 12:20	Ahmed Issa, Mohammad O. A. Aqel, Basel Zakout, Abdallah Abu Daqqa, Mohammed Amassi and Nashat Naim. <u>“5-DOF Robot Manipulator Modelling, Development and Automation using LabVIEW, Vision Assistant and Arduino”</u>	Dr. Ahmed Issa - Al-Azhar University – Gaza, Palestine
12:20 – 12:35	Coffee Break	

Seventh Session: Encryption and Data Communication Protocols – Main Hall

Chairperson: Dr. Ahmed Issa

Time	Title	Speaker
12:35 – 12:55	Ahmed Mahmoud and Mohammed Abu Alqumboz. <u>“Encryption Based on Multilevel Security for Relational Database EBMSR”</u>	Eng. Mohammed Abu Alqumboz Al-Azhar University – Gaza, Palestine
12:55 – 13:15	Rushdi Hamamreh. <u>“RAD: Reinforcement Authentication DYMO Protocol for MANET”</u>	Dr. Rushdi Hamamreh Al-Quds University, Palestine
13:15 – 13:35	Tamer Fatayer and Mohammed Azara. <u>“IoT Secure Communication using ANN Classification Algorithms”</u>	Dr. Tamer Fatayer Al-Aqsa University, Palestine
13:35 – 14:30	Lunch Break (ONLY invited persons to launch)	

Closing Ceremony – Main Hall

Time	Title
14:30 – 14:40	Holly Quran & Palestinian National Anthem
14:40 – 14:45	Speech by Chair of the Scientific Committee
14:45 – 14:50	Speech by Co-chair of the Scientific Committee
14:50 – 15:00	Recommendations
15:00 – 15:20	Best Paper Awards Announcement
15:20 – 15:55	Certificates of Participation
15:55 – 16:00	Group Photo