

## ICPET 2017 Program

Monday October 16, 2017		
08:30-9:00	<ul style="list-style-type: none"> <li>• <b>Registration</b></li> </ul>	
09:00- 09:40	<ul style="list-style-type: none"> <li>• <b>Opening Ceremony</b></li> </ul>	<b>Main Hall</b>
09:40:10:20	<ul style="list-style-type: none"> <li>• <b>Keynote Speaker</b> Prof. Roman Obermaisser, University of Siegen, Germany "Networked Multi-Core Chips in Mixed Criticality Systems"</li> </ul>	
10:20-10:40	<b>Break</b>	
10:40-12:20	<b>Session 1: Computer and control systems</b> <b>Chair: Dr. Ezzaldeen Edwan</b> <ul style="list-style-type: none"> <li>• <b>Hongjie Fang and Roman Obermaisser. "Execution Environment for Mixed-Criticality Train Applications based on an Integrated Architecture"</b></li> <li>• <b>Wael Said, Hossam A. Gaber and Abdelkader Mami. "Sizing and simulation of an energy sufficient stand-alone PV pumping system"</b></li> <li>• <b>Morad Abu Mansi, Ahmad Elkronz, Mohammed Abu Hatab and Fathi Qaoud. "Mobile Educational Workbench for Classical and Programmable Control Applications"</b></li> <li>• <b>Mohamed Abu Nasr and Hatem El-Aydi. "Fuzzy Gain Scheduling Control For A Special Case of 2nd Order Non-Linear Systems"</b></li> </ul>	<b>Main Hall</b>
12:20-13:40	<b>Lunch Break</b>	
13:40-14:30	<b>Session 2: Web and mobile applications (Parallel Session)</b> <b>Chair: Dr. Suheir Harb</b> <ul style="list-style-type: none"> <li>• <b>Abdalla Wasef Marashdih and Zarul Fitri Zaaba. "Detection and Removing Cross Site Scripting Vulnerability in PHP Web Application"</b></li> <li>• <b>Salaheddin Odeh and Daniel Voskergian. "Mobile Computing Based Rationalization for Energy Consumption"</b></li> </ul>	<b>Main Hall</b>
13:40-14:30	<b>Session 3: Wireless/ Mobile Communication (Parallel Session)</b> <b>Chair: Dr. Jalal Al Roumy</b> <ul style="list-style-type: none"> <li>• <b>Imad Shaheen, Abdelhalim Zekry, Fatma Newagy and Reem Ibrahim. "PAPR Reduction of FBMC/OQAM Systems Based on Combination of DST Precoding and A-law Nonlinear Companding Technique"</b></li> <li>• <b>Mohammed Abusaada, Talal Skaik and Ramadan Alhalabi. "Design of Efficient Microstrip Linear Antenna Array for 5G Communications Systems"</b></li> </ul>	<b>Multimedia Hall</b>

**Tuesday October 17, 2017**

09:00-10:15	<b>Session 4: Computer Vision and Robotics (Parallel session)</b> Chair: Dr. Iyad Abu Hadrus <ul style="list-style-type: none"><li>• Mohammad Aqel, Ahmed Issa, Mohammed Khdair, Majde Elhabbash, Mohammed Abubaker and Mohammed Massoud. "Intelligent Maze Solving Robot Based on Image Processing and Graph Theory Algorithms"</li><li>• Ahmed Issa, Mohammad Aqel, Ali Tubail, Yaser Alkayyali, Abdelkareem Alay and Mosab Ferwana. "Vision assisted SCARA manipulator design and control using Arduino and LabVIEW"</li><li>• Ahmed Issa, Mohammad O. A. Aqel, Mahmoud M. Albelbeisi, Majd O. Elaila and Malek A. Mortaja. "Palletizing manipulator design and control using Arduino and MATLAB"</li></ul>	Main Hall
09:00-10:15	<b>Session 5: Image Processing (Parallel session)</b> Chair: Dr. Samy Salamah <ul style="list-style-type: none"><li>• Haifaa Safi and Ashraf Maghari. "Image Encryption using double chaotic logistic map"</li><li>• Alaa Abu Mezied and Ashraf Alattar. "Medical Image Retrieval Based on Gray Cluster Co-occurrence Matrix and Edge Strength Levels"</li><li>• Mahmoud Abu Ghosh and Ashraf Maghari. "A Comparative Study on Handwriting Digit Recognition Using Neural Networks"</li></ul>	Multimedia Hall
10:15-10:40	<b>Break</b>	
10:40-12:20	<b>Session 6: Analog Circuits &amp; Signal Processing (Parallel session)</b> Chair: Dr. Ahmed Issa <ul style="list-style-type: none"><li>• Talal Skaik. "A Quad-band Rectifier Design with Improved Matching Bandwidth for RF Energy Harvesting Applications"</li><li>• Paula Silva and Hossam A.Gabbar. "Fault Diagnosis in Transmission Lines Based on Leakage Current and Qualitative Trend Analysis"</li><li>• Jamal Elzebda, Mohammed Msallam, Mohammed Alyazouri, Abdul Salam Radi and Tareq Shaheen. "Power Generation Using Hydraulic and Double Crank Shaft Speed Breaker: Gaza Strip as a Case Study"</li><li>• Hala El-Khozondar, Mohamed Shabat and Ahmed Alshembari. "Characteristics of Si-Solar cell (PV) Waveguide Structure Using Transfer Matrix Method"</li></ul>	Main Hall
10:40-12:20	<b>Session 7: Sensing, Sensor Networks and Networking (Parallel session)</b> Chair: Prof. Hatem El-Aydi <ul style="list-style-type: none"><li>• Ayman Murshed, Mohammed Abuteir and Roman Obermaisser. "Validation Framework for Time-Triggered System-of-Systems"</li></ul>	Multimedia Hall

	<ul style="list-style-type: none"> <li>• Yousef Hamouda. "Smart Irrigation Decision Support based on Fuzzy Logic using Wireless Sensor Network"</li> <li>• Jalal Al Roumy. "Analysis of the different acquisition schemes in an optical feedback interferometry sensor"</li> <li>• Mohd Shawal Jadin, Ng Boon Khai, Norizam Sulaiman and Wael A. Salah. "Hotspot Detection for Wall-Mounted Air-Conditioner System"</li> </ul>	
12:20-13:40	<b>Lunch Break</b>	
13:40-14:55	<b>Session 8: Data Mining and Knowledge Extraction</b> <b>Chair: Prof. Samy S. Abu Naser</b> <ul style="list-style-type: none"> <li>• Georg Helbing and Matthias Ritter. "Power Curve Monitoring with Flexible EWMA Control Charts"</li> <li>• Mohammed Zoroub and Ashraf Y. A. Maghari. "Candidate Teacher Performance Prediction Using Classification Techniques – A Case Study of high schools In Gaza-Strip"</li> <li>• Wael Al Sarraj and Mohammad Zurob. "Towards Rules Induction Optimization for Cerebral Palsy Diagnosis: An Empirical Study"</li> </ul>	<b>Main Hall</b>
15:00-15:30	<b>Closing Ceremony</b>	