

Day 1: Wednesday 11 October, 2017 – Venue: Landmark Hotel	
08:45 – 09:30	Registration
09:30 – 09:50	Conference Opening - National Anthem - Quran Recitation Welcome address Prof. Arafat Awajan, Conference Chair
09:50 – 10:10	Welcome Address HRH Princess Sumaya Bint El Hassan
10:10 – 10:40	Keynote Speech: Intelligent Vehicles and Transportation Systems. (Room Rum 2) Prof. Yi Murphey, University of Michigan-Dearborn, USA
10:40 – 11:00	Coffee Break
11:00 – 11:30	Keynote Speech: Towards a computer-automated translation (CAT) system capable of ensuring high-quality communication between the hundreds of “languages of the Web”. (Room Rum 2) Prof. Christian Boitet, Université Grenoble Alpes, France
11:30 – 12:00	Keynote Speech: Edge Clouds: Architectures and Deployment Models. (Room Rum 2) Prof. Omer Rana, Cardiff University, UK
12:00 – 13:30	Session 1: Artificial Intelligence I (Room Rum 1)      Session 2: Computer and Network Security I (Room Petra)
13:30 – 14:30	Lunch
14:30 – 16:00	Session 3: Natural Language Processing I (Room Rum 1)      Session 4: Computer and Network Security II (Room Petra)
16:00	End of Day 1 Leave to Amman Citadel and Amman Old Town
Day 2: Thursday 12 October, 2017 – Venue: Landmark Hotel	
08:30	Arrival of participants
09:00 – 09:45	Keynote Speech: The Future of Security and Forensic Computing in the new Education 2.0 era and Emphasis in Globalisation (Room Rum 2) Prof. Giorgio Giacinto, University of Cagliari, Italy Prof. George Dafoulas, Middlesex University, UK
09:45 – 11:30	Session 5: Artificial Intelligence II (Room Rum 1)      Session 6: Data Science and Big Data (Room Rum 2)
11:30 – 12:00	Coffee Break
12:00 – 12:30	Keynote Speech: The Theory and Applications of the Stochastic Point Location Problem. (Room Rum 2) Prof. John Oommen, Carleton University, Canada
12:30 – 13:00	Keynote Speech: Fuzzy Cognitive Maps. (Room Rum 2) Prof. Vanhoof Koen, Universiteit Hasselt, Belgium
13:00 – 14:00	Lunch
14:00 – 15:30	Session 7: Natural Language Processing II (Room Rum 1)      Session 8: Image Processing and Computer Graphics (Room Rum 2)
15:30	Visit to Dead Sea
19:30 – 21:30	Gala Dinner
Day 3: Friday 13 October, 2017 – Venue: Landmark Hotel	
14:00	Arrival of participants
14:00 – 14:30	Keynote Speech: Building Trust in Cloud Computing Prof. Adnan Shaout, University of Michigan – Dearborn, USA
14:30 – 16:00	Session 9: Computer and Network Security III (Room Rum 1)      Session 10: Software Engineering (Room Rum 2)
16:00 – 16:30	Coffee Break
16:30 – 17:00	Keynote Speech: Towards Multi-Core Processing in Automotive Power Train Control Prof. Osamah Rawashdeh, Oakland University, USA
17:00 – 17:15	Industrial Presentation: Mawdo3
17:15 – 18:30	Session 11: Online Session (Room Rum 1)      Session 12: Internet of Things (Room Rum 2)
18:30 – 19:00	Closing Session Prof. Arafat Awajan, Conference Chair
19:00 – 20:00	Dinner

Session 1: Artificial Intelligence I (Room Rum 1) Chairs: Prof. Saeed Al Ghouh and Dr. Ebaa Fayyumi	Session 2: Computer and Network Security I (Room Rum 2) Chairs: Prof. Nadeem Obaid and Dr. Raad Al Qasas
<b>Two Stage Intelligent Automotive System to Detect and Classify a Traffic Light</b> <i>Nevrus Kaja, Adnan Shaout, Omid Dehzangi</i>	<b>State of the Art in Computer Forensic Education-A Review of Computer Forensic Programmes in the UK, Europe and US</b> <i>Georgios A. Dafoulas, David Neilson, and Sukhvinder Hara</i>
<b>CNN-Based Prediction of Frame-Level Shot Importance for Video Summarization</b> <i>Mo. Al Nahian, A. S. M. Iftekhhar, M. Tariqul Islam, S. M. Mahbubur Rahman, D. Hatzinakos</i>	<b>An Efficient E-Coin Scheme Under Elliptic Curve Cryptography</b> <i>Sattar Aboud, Mustafa Al-Fayoumi, Mohammad Al-Fayoumi, and Jaafar Al Saraireh</i>
<b>Motor Imagery EEG Signal Processing and Classification Using Machine Learning Approach</b> <i>Sreeja. S. R, Joytirmoy Rabha, K. Y. Nagarjuna, Debasis Samanta, Pabitra Mitra, Monalisa Sarma</i>	<b>Smart Parser for Identifying and Detecting Insecure Functions</b> <i>Esraa Al-Shammari, Ali Hadi, and Malik Qasaimeh</i>
<b>A Novel Cloud Services Recommendation System Based on Automatic Learning Techniques</b> <i>Rahma Djiroun, Meriem Amel Guessoum, Kamel Boukhalfa, Elhadj Benkhelifa</i>	<b>Toward a Detection Framework for Android Botnet</b> <i>Wadi' Hijawi, Ja'far Alqatawna, and Hossam Faris</i>
<b>Binary Dragonfly Algorithm for Feature Selection</b> <i>Majdi Mafarja, Derar Eleyan, Iyad Jaber, Abdelaziz Hammouri, Seyedali Mirjalili</i>	<b>Experimental Evaluation of a Multi-Layer Feed-Forward Artificial Neural Network Classifier for Network Intrusion Detection System</b> <i>Malek Al-Zewairi, Sufyan Almajali, and Arafat Awajan</i>

Session 3: Natural Language Processing I (Room Rum 1) Chairs: Prof. Bassam Hammo and Dr. Sara Tedmouri	Session 4: Computer and Network Security II (Room Rum 2) Chairs: Prof. Diab Taha and Dr. Ali Hadi
<b>Using Hybrid-Stemming Approach to Enhance Lexicon-Based Sentiment Analysis in Arabic</b> <i>Hunaida Awwad and Adil Alpkocak</i>	<b>Differentially Private Variance Reduced Stochastic Gradient Descent</b> <i>Jaewoo Lee</i>
<b>Detecting Quotable Sentences from Text Using Syntactic Token Augmentation and Recurrent Neural Networks</b> <i>Sumit Terkhedkar and Janak Porwal</i>	<b>An Efficient Two-Server Authentication and Key Exchange Protocol</b> <i>Durbadal Chattaraj, Monalisa Sarma, and Debasis Samanta</i>
<b>Building Arabic Polarized Lexicon from Rated Online Customer Reviews</b> <i>Mohammad Daoud</i>	<b>Visualizing Clustered Botnet Traffic Using t-SNE on Aggregated NetFlows</b> <i>Muayyad Saleh Alsadi and Ali Hussein Hadi</i>
<b>Deep Learning Based Technique for Plagiarism Detection in Arabic Texts</b> <i>Dima Suleiman, Arafat Awajan, and Nailah Al-Madi</i>	<b>Phishing Websites Prediction Using Classification Techniques</b> <i>Dyana Rashid Ibrahim and Ali Hussein Hadi</i>
<b>Arabic Cultural Style Based Music Classification</b> <i>Lama Soboh, Islam Elkabani, Ziad Othman</i>	<b>Victim blaming in abuses on the Internet</b> <i>Istvan Laszlo GAL, Zoltan NAGY</i>

Session 5: Artificial Intelligence II (Room Rum 1) Chairs: Prof. Yi Murphey and Dr. Edward Jaser	Session 6: Data Science and Big Data (Room Rum 2) Chair: Prof. Omer Rana and Dr. Akram Al-Kouz
<b>Evaluating the Performance of "Derandomized-LSHade" Algorithm on CEC 2014 Benchmark Functions.</b> <i>Raghda Hraiz, Mariam Khader, Mostafa Z. Ali, Amjad Hudaib</i>	<b>A New Technique for File Carving on Hadoop Ecosystem</b> <i>Esraa Alshammari, Ghazi Al-Naymat, and Ali Hadi</i>
<b>Link Prediction Based on Whale Optimization Algorithm</b> <i>Reham Barham, Ibrahim Aljarah</i>	<b>Dynamic Evolution of Hashtags on Twitter: A Case Study from Career Opportunities Groups</b> <i>Layal Abu Daher, Rached Zantout, and Islam Elkabani</i>
<b>Reconfigurable Implementation of Fuzzy Inference System Using FPGA</b> <i>Mehdi Mohammadi, Adnan Shaout</i>	<b>Development of Customs Prediction Model for Online Ordering</b> <i>Lina I. Sharawi, George Sammour, Hamzah Qabbaah, and Koen Vanhoof</i>
<b>Statistical Selection of CNN-based Audiovisual Features for Instantaneous Estimation of Human Emotional States</b> <i>Ramesh Basnet, M. Tariqul Islam, Tamanna Howlader, S. M. Mahbubur Rahman, D. Hatzinakos</i>	<b>Cache Optimization in IPTV Network Using Big Data Analytics and Mobile Agent Technology</b> <i>Hasan Al-Sakran</i>
<b>Comparison of Crossover Types to Build Improved Queries Using Adaptive Genetic Algorithm</b> <i>Khaled Almakadmeh, Wafa' Alma'aitah</i>	<b>LSHADE Enhancement Using MTS-LS1</b> <i>Marwah Alian, Dima Suleiman, and Mostafa Z. Ali</i>
<b>On Utilizing the Pursuit Paradigm to Enhance the Deadlock-Preventing Object Migration Automaton</b> <i>Abdolreza Shirvani and B. John Oommen</i>	<b>Optimized ANN-ABC for Thunderstorms Prediction</b> <i>Mais Yasen, Ruba Al-Jundi, and Nailah Al-Madi</i>

<p style="text-align: center;"><b>Session 7: Natural Language Processing II (Room Rum 1)</b> <i>Chairs: Prof. Christian Boitet and Dr. Naila Madi</i></p>	<p style="text-align: center;"><b>Session 8: Image Processing and Computer Graphics (Room Rum 2)</b> <i>Chairs: Dr. Mostafa Ali and Feras Ghanim</i></p>
<p><b>Arabic LFG-inspired Dependency Treebank</b> <i>Dana Halabi, Arafat Awajan, and Ebaa Fayyoumi</i></p>	<p><b>Toward a Model for E-Learning Recommender System Adoption: A Pilot Study</b> <i>Hadeel Alharbi and Kamaljeet Sandhu</i></p>
<p><b>Building Domain Ontology: Experiences in Developing the Prophetic Ontology Form Quran and Hadith</b> <i>Hanan A. Al-Sanasleh and Bassam H. Hammo</i></p>	<p><b>Fast Block Matching Criterion for Real-Time Video Communication</b> <i>Nijad A-Najdawi</i></p>
<p><b>Arabic Word Sense Disambiguation - Survey</b> <i>Marwah Alian, Arafat Awajan, and Akram Al-Kouz</i></p>	<p><b>Web-Based Augmented Reality with Natural Feature Tracking and Advanced Rendering</b> <i>Mohammed A. Al-Zoube</i></p>
<p><b>The Effects of Features Selection Methods on Spam Review Detection Performance</b> <i>Wael Etaawi and Arafat Awajan</i></p>	<p><b>Context Aware VR Using BLE Beacons</b> <i>Ahmad Jarrar and Edward Jaser</i></p>
<p><b>Arabic Sentiment Classification: A Hybrid Approach</b> <i>Mariam Biltawi, Ghazi Al-Naymat, and Sara Tedmori</i></p>	<p><b>Using Tree-Structured Wavelet Transform to Classify and Retrieve Texture Images</b> <i>Hebatallah Khattab</i></p>
<p style="text-align: center;"><b>Session 9: Computer and Network Security III (Room Rum 1)</b> <i>Chairs: Prof. Giorgio Giacinto and Dr. Malik Qasaimeh</i></p>	<p style="text-align: center;"><b>Session 10: Software Engineering (Room Rum 2)</b> <i>Chair: Prof. Osamah Rawashdeh and Dr. Abdulla Qusef</i></p>
<p><b>Threat Hunting Using GRR Rapid Response</b> <i>Hussein Rasheed, Ali Hadi, and Mariam Khader</i></p>	<p><b>Software Defect Prediction Using Feature Selection and Random Forest Algorithm</b> <i>Dyana Rashid Ibrahim, Rawan Ghnemat, and Amjad Hudaib</i></p>
<p><b>A Proposed Password-Free Authentication Scheme Based on a Hybrid Vein-Keystroke Approach</b> <i>Maria Habib and Ja'far Alqatawna</i></p>	<p><b>Screen Size Effect on Usability of Arabic Forms for Smartphones</b> <i>Rihabb Alsalamen and Ghassan Shahin</i></p>
<p><b>Novel Algorithm in Symmetric Encryption (NASE): Based on Feistel Cipher</b> <i>Safiah I. Bani Baker and Alaa Hussein Al-Hamami</i></p>	<p><b>Requirements Prioritization Techniques Review and Analysis</b> <i>Raneem Qaddoura, Alaa Abu-Srhan, Mais Haj Qasem, and Amjad Hudaib</i></p>
<p><b>Passive DNS Analysis Using Bro-IDS</b> <i>Abdulla Dakhgah, Ali Hadi, Jaafar Al Sarairah, and Doaa Alrababah</i></p>	<p><b>A Survey of IT Outsourcing in Jordanian Market</b> <i>Abdallah Qusef and Nisreen Raeq</i></p>
<p><b>Securing Distributed SDN Controllers against DoS Attacks</b> <i>Wael Etaawi, Mariam Biltawi, and Sufyan Almajali</i></p>	<p><b>A Proposed Password-Free Authentication Scheme Based on a Hybrid Vein-Keystroke Approach</b> <i>Maria Habib and Ja'far Alqatawna</i></p>
<p style="text-align: center;"><b>Session 11: Online Session (Room Rum 1)</b> <i>Chairs: Dr. Saqer Abdel Rahim and Dr. Anas Abu Taleb</i></p>	<p style="text-align: center;"><b>Session 12: Internet of Things (Room Rum 2)</b> <i>Chairs: Prof. Adnan Shaout and Dr. Ghazi Al-Naymat</i></p>
<p><b>Innovation in Education via Problem Based Learning from Complexity to Simplicity</b> <i>Mohammed Saleh, Nedaa Al Barghuthi, and Sonia Baker</i></p>	<p><b>A Survey: Authentication Protocols for Wireless Sensor Network in the Internet of Things; Keys and Attacks</b> <i>Doaa Alrababah, Esraa Al-Shammari, and Areej Alsuh</i></p>
<p><b>A Framework for Real Time News Recommendations</b> <i>Jalal Omer Atoum and Ibrahim Mohamed Yakti</i></p>	<p><b>Smart Water Distribution Management System Architecture Based on Internet of Things and Cloud Computing</b> <i>Sawsan Khaleel Alshattnawi</i></p>
	<p><b>A Cost Effective Information Display System Based on Open Source Technologies</b> <i>Feras Al-Hawari, Hadi Etaawi, and Sahel Alouneh</i></p>
	<p><b>Using Fuzzy Method for Decision Making in Local Government</b> <i>Bashar H. Hewaidi</i></p>