



Conference Program

Monday 10 Nov. 2014

8-9am	Registration & Coffee @ Al-Wajba ballroom foyer		
9-10:30am	PhD Symposium - Session 1 <i>Chairs: R. Riley and S. Abdelwahed</i> Al Diwan Meeting Room 1	Tutorial 1 <i>Chair: R. Hadjidj</i> Al Diwan Meeting Room 2	International Workshop on Internet of Things, Systems, Management and Security (IOTSMS) <i>Chair: Y. Jararweh</i> Al Wajba Ballroom 1
	Text Driven Multimedia Generation for Arabic Stories <i>A. Karkar</i> Custom IP Cores for Robust Data Analysis and Pattern Recognition Algorithms Used in Gas Applications <i>A. Al-Sayid</i>	Text Quantification - Part 1 <i>F. Sebastiani, QCRI</i>	The Internet of Things: the Eco-System for Sustainable Growth <i>E. Benkhelifa, M. Abdel-Maguid, S. Ewenike, D. D. Heatley</i> A New Broadcast Scheme for Sensor Networks <i>K. Smearat, M. Al-Ayyoub, M. Bani Yassein</i> Topical Search Engine for Internet of Things <i>M. Faqeeh, M. Al-Ayyoub, M. Wardat, I. Hmeidi, Y. Jararweh.</i>
10:30-10:45	Coffee Break		
10:45-12:15pm	Multispectral face images: sensory data enhancement <i>A. Ben Said</i> Sparsity-Aware Interference Mitigation and Multiple Relay Selection in Large Relay Networks <i>A. Gouisseem</i>	Text Quantification - Part 2 <i>F. Sebastiani, QCRI</i>	Side Localization to Increase Localization Accuracy <i>W. Ibrahim, A. Taha, H. Hassanein</i> Twitterize: Anonymous Micro-Blogging <i>J. Daubert, L. Böck, P. Kikiras, M. Mühlhäuser, M. Fischer</i> Privacy-aware Cloud Survivability for Future Connected Home Ecosystem <i>A. Arabo</i>
	Socio-cultural adaptation of Computer Supported Collaborative Learning environment <i>F. Ouamani</i> Multispectral Data Fusion for Improving Face Recognition <i>F. Omri</i> Enhancing Face recognition using multispectral imagery <i>H. Bouchech</i>	Structural Kernels for Automatic Design of Computer Applications <i>A. Moschitti, QCRI</i>	Trends and Future of Big Data: a Vision <i>H. Kalidas (GBM, Qatar)</i> Conceptual Big Data Reduction <i>A. Jaoua (Qatar University)</i> Big Data Technologies and Their Applications to Cybersecurity <i>S. Hariri (Arizona University)</i>
12:15-1pm	Lunch		
1-4pm (with Coffee break 2:30-2:45)	PhD Symposium - Session 2 <i>Chairs: R. Riley and S. Abdelwahed</i> Al Diwan Meeting Room 1	Tutorial 2 <i>Chair: R. Hadjidj</i> Al Diwan Meeting Room 2	Special Session on Big Data Technologies and Their Applications to Cybersecurity (BDTAC) <i>Chair: H. Kholidy</i> Al Wajba Ballroom 1
	Socio-cultural adaptation of Computer Supported Collaborative Learning environment <i>F. Ouamani</i> Multispectral Data Fusion for Improving Face Recognition <i>F. Omri</i> Enhancing Face recognition using multispectral imagery <i>H. Bouchech</i>	Structural Kernels for Automatic Design of Computer Applications <i>A. Moschitti, QCRI</i>	Trends and Future of Big Data: a Vision <i>H. Kalidas (GBM, Qatar)</i> Conceptual Big Data Reduction <i>A. Jaoua (Qatar University)</i> Big Data Technologies and Their Applications to Cybersecurity <i>S. Hariri (Arizona University)</i>
4-5pm	Reception & Registration @ Al-Wajba ballroom foyer		

Tuesday 11 Nov. 2014

8-9am	Registration & Coffee @ Al-Wajba ballroom foyer			
9-9:30	<p style="text-align: center;">Opening Session Dr. Sheikha Abdulla Al-Misnad <i>Qatar University President</i> H.E Dr. Hessa Al Jaber <i>Minister, Ministry of Information and Communication Technologies</i> Dr. Ahmed Elmagarmid <i>Director, QCRI Qatar Computing Research Institute</i> Dr. Abdelaziz Bouras <i>ictQATAR Chair Professor & Program Chair</i></p>			
9:30-10:15	<p style="text-align: center;">Keynote Speech Future vision for healthcare Dr. Ram D. Sriram <i>Division Chief, Software and Systems Division, Information Technology Laboratory, NIST, USA</i> <i>Chair: S. Foufou</i></p>			
10:15-10:45	Coffee Break			
10:45-12:30	<p style="text-align: center;">Track 10: Natural Language Processing (Session 1) <i>Chair: A. Abdelali</i> Al Wajba Ballroom 1</p>	<p style="text-align: center;">Track 4: BPM - Web Services - SOA (Session 1) <i>Chairs: M. Khan</i> Al Wajba Ballroom 2</p>	<p style="text-align: center;">Track 6: Security - Privacy (Session 1) <i>Chair: A. Erbad</i> Al Diwan Meeting Room 1</p>	<p style="text-align: center;">Track 8: Multimedia, Computer vision and Image Processing (Session 1) <i>Chairs: A. Amira & O. Halabi</i> Al Diwan Meeting Room 2</p>
	<p>91- Subjectivity and Sentiment Analysis of Arabic: Trends and Challenges N. Al-Twairish, H. Al-Khalifa, A. Al-Salman.</p> <p>101- Subsequence Kernels-Based Arabic Text Classification A. Nehar, H. Cherroun, A. Benmessaoud, D. Ziadi</p> <p>213- Compression-Based Arabic Text Classification H. Taamneh, E. Abu Keshek, M. Bani Issa, M. Al-Ayyoub, Y. Jararweh</p> <p>230- Question Focus extraction and answer passage retrieval: Case of opinion attitude questions A. Bayoudhi, H. Ghorbel, L. Hadrich Belguith</p> <p>231- Automatic Authorship Classification of Two Ancient Books: Quran and Hadith H. Sayoud</p>	<p>179- An Approach to the Decomposition of Business Processes for Execution in the Cloud L. Venezian Povoaa, W. Lopes de Souza, L. Ferreira Pires, A. Francisco Do Prado</p> <p>161- Business Process Management with mobile routes C. Mahmoudi, F. Mourlin</p> <p>205- A framework for IaaS-to-SaaS monitoring of BP/EL processes in the Cloud: design and evaluation R. Grati, K. Boukadi, H. Ben-Abdallah</p> <p>93- Semantic Web Service Ontology Construction: A Reverse Engineering H. El Bouhissi, M. Malki</p> <p>55- A Metamodel for Modeling Cost Behavior in Service Composition R. W A Medeiros, N. S Rosa, L. Ferreira Pires</p>	<p>229- Protecting the Location Privacy of Femtocell Users M. Hussain</p> <p>173- LPS for LBS: Location-Privacy Scheme for Location-Based Service S. Doumiati, T. Al Choikani, H. Artail</p> <p>114- Mobile Malware Exposed A. Salman, I. Elhadj, A. Chehab, A. Kayssi</p> <p>242- Online Risk Assessment and Prediction Models for Autonomic Cloud Intrusion Prevention System H. A. Kholidy, A. Erradi, S. Abdelwahed</p> <p>11- A Network Protection Framework for DNP3 Over TCP/IP Protocol J. Bai, Y. Al-Nashif, S. Hariri</p>	<p>87- CLUSTER VALIDITY INDEX BASED ON N-SPHERE A. Ben Said, S. Foufou, M. Abidi</p> <p>218- A comparative study of best spectral bands selection systems for face recognition H. Bouchech, S. Foufou</p> <p>92- Wirelessly Controlled Mimicking Humanoid Robot: Assisting Children with ASD in learning Focused and Coordinated Behaviors U. Qidwai, M. Shakir, Wa'Ed Hakouz, N. Musa</p> <p>96- Fast Active Contour for Object Tracking in Image Sequence A. Fekir, B. Nacéra</p> <p>118- Improvement of fingerprint matching by describing the minutiae neighborhood using a set of quaternion dic-harmonic moments L. Haloui, N. Dad, N. En-Nahnahi, S. Ouatik El Alaoui, O Mohamed.</p>
12:30-1:30	Lunch			
1:30-3:30	<p style="text-align: center;">Track 5: Interoperability and Future Internet Technologies (Session 1) - FITMAN <i>Chair: N. Moalla & Y. Ouzrout</i> Al Wajba Ballroom 1</p>	<p style="text-align: center;">Track 11: Social computing <i>Chairs: S. Hassas & K. Sinha</i> Al Wajba Ballroom 2</p>	<p style="text-align: center;">Track 7: Networking, sensor networks, mobile computing (Session 1) <i>Chairs: I. Khalil & A. Mohamed</i> Al Diwan Meeting Room 1</p>	<p style="text-align: center;">Track 8: Multimedia, Computer vision and Image Processing (Session 2) <i>Chairs: A. Amira & O. Halabi</i> Al Diwan Meeting Room 2</p>
	<p style="text-align: center;">Session Keynote Speech Interoperability and Future Internet Technologies in FI-PPP and FITMAN project <i>Sergio Gusmeroli</i> <i>TXT e-Solutions SpA</i></p> <p>195- Infusing Social Data Analytics into Future Internet applications for Manufacturing E. Biliri, M. Petychakis, I. Alvertis, F. Lampathaki, S. Koussouris, D. Askounis</p> <p>237- An Ontology Based Digital Preservation System for Enterprise Collaboration M. Naeem, N. Moalla, Y. Ouzrout, A. Bouras</p> <p>240- An analysis and assessment approach for collaborative process in Service-Oriented Architectures M. Hachicha, N. Moalla, Y. Ouzrout</p>	<p>42- A Novel Spreading Framework Using Incremental Clustering for Viral Marketing L. Alsuwaidan, M. Ykhlef, M. Alnuem</p> <p>157- Computing Traffic Congestion Degree Using SNS-based Graph Structure P. Kusmawan, B. Hong, S. Jeon, J. Lee, J. Kwon</p> <p>197- Features based Link Prediction S. Aouay, S. Jamoussi, F. Gargouri</p> <p>204- CrowdApp: Crowdsourcing for Application Rating F. Saab, I. Elhadj, A. Chehab, A. Kayssi.</p> <p>94- iSoNTRE: the Social Network Transformer into Recommendation Engine R.C. Abu Quba, S. Hassas, U. Fayyad, M. Alshomary, C. Gertosio</p>	<p>159- Combining a physical model with a nonlinear fluctuation for signal propagation modeling in WSNs S. Mahfouz, P. Honeine, F. Mourad-Chehade, J. Farah, H. Snoussi</p> <p>128- On the Interplay between Clustering and Power Control in Multihop Wireless Networks Z. Hameed Mir, K-W. Lim, Y.-Bae Ko</p> <p>105- Energy aware and stable multipath routing protocol in clustered wireless ad hoc networks S. Omar, C. Bernard, M. Zoulikha, M. Rachida</p> <p>255- A New WDM Application Response Time in WLAN Network and Fixed WiMAX using Distributed Model K. Nisar, K. Abualsaud, T. Elfouly</p> <p>250- A Fast Multipath Routing Protocol for wireless sensor networks I. Jemili, G. Tekaya, A. Belghith</p>	<p>249- A Study on the Design and Effectiveness of Tactile Feedback in Driving Simulator O. Halabi, M. Ba Hameish, L. Al-Naimi, A. Al-Kaabi</p> <p>117- 2D Color Shapes Description by Quaternion Disc-Harmonic Moments N. Dad, N. En-Nahnahi, S. El-Alaoui Ouatik, O. Mohamed</p> <p>75- Exploiting MB Level Parallelism in H.264/AVC Encoder for Multi-Core Platform M. Asif, I. Taj, M. Bin Ahmad, S. Ziauddin, S. Majeed</p> <p>200- Matching with quantum genetic algorithm and shape contexts K. Mohamed Mezghiche, K. Eddine Melkemi, S. Foufou</p> <p>232- Speaker Based Clustering Using The Differentail Energy S. Ouamour, H. Sayoud</p>

	<p>246- Potentials of Future Internet Technologies for Digital Factories K. Klein, M. Franke, K. Hribernik, E. Coscia, J. Sutter, S. Balzert, K-D. Thoben</p>	<p>106- Simulating the Impact of Future Internet on Multimodal Mobility M. Zargayouna, B. Zedini, G. Scemama, A. Othman</p>	<p>251- Using Social Networks for Mobile Proactive Recommendation I. Akermi, R. Faiz</p>	<p>243- Content-based image retrieval system using neural network H. Karamti, M. Tmar, F. Gargouri</p>
3:30-4pm	Coffee Break			
	<p>Track 5: Interoperability and Future Internet Technologies (Session 2) - Semantic Web Chair: N. Moalla & Y. Ouzrout <i>Al Wajba Ballroom 1</i></p>	<p>Track 4: BPM - Web Services - SOA (Session 2) Chairs: S. Fougou <i>Al Wajba Ballroom 2</i></p>	<p>Track 7: Networking, sensor networks, mobile computing (Session 2) Chairs: I. Khalil & A. Mohamed <i>Al Diwan Meeting Room 1</i></p>	<p>Track 2: High Performance Computing (Session 1) Chairs: O. Bouhali <i>Al Diwan Meeting Room 2</i></p>
4-5:30	<p>70- Faculty Performance Evaluation System: An ontological approach S. Baj, S. Hussain, Q. Rajput, S.Khoja</p> <p>220- A K-Based Language for Design Patterns H. Douibi, S. Smaali, F. Belala</p> <p>104- Semantics of Multi-viewpoints Ontology Alignments D. Lynda, H. Mounir, B. Zizette</p> <p>152- ConceptOnto: An upper ontology based on Conceptnet E. Najmi, K. Hashmi, Z. Malik, A. Rezgui, H. U. Khan</p> <p>38- Context-based ontology to describe dystem-of-systems interoperability: traffic management cases tudy H. Benali</p>	<p>253- Applying Semantic Web concepts in web Services and Big data E. Rizk, S. Fougou</p> <p>24- Improve Web Service Discovery : Goal-Based Approach H. El Bouhissi, M. Malki, M. Amine Sidi Ali Cherif</p> <p>155- Feature Model For Modeling Compound SOA Design Patterns A. Kamoun, M. Hadj Kacem, A. Hadj Kacem</p> <p>183- A Community-based, Graph API Framework to Integrate and Orchestrate Cloud-Based Services I. Alvertis, M. Petychakis, F. Lampathaki, T. Kastrinogiannis D. Askounis</p>	<p>63- Performance Analysis of Mobile IPv6 Support for Dual Stack Hosts B. Faria, E. Souto</p> <p>110- 3G to Wi-Fi Offloading on Android K. Bakhit, C. Chalouhi, S. Francis, S. Mourad, I. Elhadj, A. Kayssi A. Chehab.</p> <p>134- CCS: A Correct Cooperation Strategy based on game theory for MANETS H. Amraoui, A. Habbani, A. Hajami</p> <p>252-Energy Efficient Mobile Relay Selection for Two-Hop Wireless Networks I. Ahmed, M. Majid Butt, A. Mohamed</p> <p>172- Performance Evaluation of IEEE 802.15.6 MAC for Wearable Body Sensor Networks using a Space-Time Dependent Radio Link Model M. Mahtab Alam, E. Ben Hamida</p>	<p>145- Robot Localization Using Extended Kalman Filter with Infrared Sensor M. Faisal, R. Hedjar, M. Alsulaiman, K. Al-Mutabe, H. Mathkour</p> <p>256- Low cost reconfigurable elliptic crypto-hardware Z. Abdeselam Benselama, M. Abdelkader Bencherif, N. Khorissi, M. Amine Bencherchali</p> <p>23- Integrated Development Environment for Generation of Middleware for Hybrid Processors based Embedded Systems M. Mazhar, A. Bakar Nisar Alvi, S. Ahmad Khan</p>
5:30-8:30pm	Katara & Souq Waqif Tour			

Wednesday 12 Nov. 2014

8-9am	<p align="center">Keynote Speech ICT as an enabler for delivering a successful 2022 FIFA World Cup Qatar™ A. Kawakbi <i>ICT & Stakeholder Manager, Supreme Committee for Delivery & Legacy</i> Al-Wajba ballroom</p>			
9:00-12pm	<p align="center">Industrial Session CyberSecurity and Smart Cities Implementations <i>Chair: K. N. Sadiq Al-Hashmi, Cyber Safety & Security Executive Director, ictQATAR MICT</i></p> <p align="center">Presenters A. Sawaf, Manager, Emerging Markets, Smart + Connected Communities, Cisco S. Whitlock, Chief of Strategy & Tech. Info. Security Solutions, Boeing Defense F. Nasser, Chief Alliances Officer, Meeza A. Barbier, Security & Cyber Director, Thalès M. Bouaoud, Advisor for Minister, Cyber Safety, ictQATAR</p>			
12-1pm	<p align="center">Lunch</p>			
1-2:30pm	<p align="center">Research Panel QNRf Research Projects <i>Chairs: M. Tag, Ph. Freyssinet</i></p> <p align="center">Panel Keynote Speech Introducing Qatar National Research Fund (QNRf) M. Tag, Program Manager, Information and Communication Technology</p> <p align="center">Panelists S. Al-Maadeed - Qatar University F. Filali - QMIC J. Boutros and K. Qaraqe - Texas A&M University at Qatar P. Hansen - Carnegie Mellon University in Qatar</p>			
2:30-3:30	<p>Track 3: Big Data, Business Intelligence, Analytics (Session 1) <i>Chairs: Y. Jararweh</i> Al Wajba Ballroom 1</p>	<p>Track 10: Natural Language Processing (Session 2) <i>Chairs: A. Jaoua</i> Al Wajba Ballroom 2</p>	<p>Track 7: Networking, sensor networks, mobile computing (Session 3) <i>Chairs: I. Khalil & A. Mohamed</i> Al Diwan Meeting Room 1</p>	<p>Track 2: High Performance Computing (Session 2) <i>Chairs: O. Bouhali</i> Al Diwan Meeting Room 2</p>
	<p>95- Mining Patterns in Big Data K-H Networks <i>A. Abdeen Hamed, X. Wu, T. Fandy</i></p> <p>156- Sentiment Analysis for Intelligent Ratings Management <i>K. Hashmi, E. Najmi, Z. Malik, N. Ammar, B. Medjahed.</i></p> <p>83- An Original Approach for Processing Public Open Data with MapReduce: A Case Study <i>B. Arres, N. Kabachi, F. Bentayeb, O. Bousaid</i></p>	<p>245- Using Codebooks Generated From Text Skeletonization for Forensic Writer Identification <i>S. Al-Maadeed, A. Hassaine, A. Bouridane</i></p> <p>257- Revisiting Arabic Part of Speech Tagsets <i>Y. Elhadj, A. Abdelali, R. Bouziane, A. Ammar</i></p> <p>207- Detection and Classification of Voice Pathology Using Feature Selection <i>M. Almojalay, G. Muhammad, M. Alsulaiman</i></p>	<p>36- ModConTR: A modular and configurable trust and reputation-based system for secure routing in ad-hoc networks <i>G. Hatzivasilis, I. Papaefsthiou, C. Manifavas</i></p> <p>210- Speed-Aware Vehicle Grouping For Reducing The Load On the Spectrum Database <i>N. Adalian, S. Awedikian, H. Sulahian, H. Artail</i></p> <p>79- Differential Evolution based Deployment of Wireless Sensor Networks <i>B. Ayinde, A. Barnawi</i></p>	<p>198- Accelerating Data Mining with CUDA and OpenMP <i>A. Biyabani, A. Al-Hamoudi</i></p> <p>235- HLS Based Hardware Acceleration on the Zynq SoC: a Case Study for Fall Detection System <i>A. Ait Si Ali, M. Siupik, A. Amira, F. Bensaali, P. Casaseca</i></p> <p>67- Performance Evaluation of a Parallel Dynamic Programming Algorithm for Solving the Matrix Chain Product Problem <i>B. Ben Mabrouk, H. Hasni, Z. Mahjoub</i></p>
3:30-4:00	<p align="center">Coffee Break</p>			
4:00-5:15	<p>Track 12: E-learning - M-learning <i>Chairs: J. Harland & M. Samaka</i> Al Wajba Ballroom 1</p>	<p>Track 10: Natural Language Processing (Session 3) <i>Chairs: A. Jaoua</i> Al Wajba Ballroom 2</p>	<p>Track 7: Networking, sensor networks, mobile computing (Session 4) <i>Chairs: I. Khalil & A. Mohamed</i> Al Diwan Meeting Room 1</p>	<p>Track 6: Security - Privacy (Session 2) <i>Chairs: Y. Wang</i> Al Diwan Meeting Room 2</p>
	<p>107- An Integrated Development Environment for the Creation and Delivery of m-Learning Objects <i>A. Al-Khayarin, P. Antoun, M. Al-Qahtani, L. Ismail, M. Samaka, A. Hassen</i></p> <p>168- A virtual reality environment to support chat rooms for hearing impaired and to teach Brazilian sign language (LIBRAS) <i>J. Brega, V. Martins, D. Dias, I. Rodello, M. Guimaraes</i></p> <p>119- Using metrics and cluster analysis for analysing learner video viewing behaviours in educational videos <i>A. Klefodimos, G. Evangelidis</i></p> <p>176- Operationalization of an ontology based sociocultural adaptation approach and its application to CSCL <i>F. Ouamani, N. Bellamine, H. Hajjami Ben Ghezala</i></p>	<p>97- Automatic Pronunciation Error Detection of Nonnative Arabic Speech <i>A. Alhindi, M. Alsulaiman, G. Muhammad, S. Al-Kahtani</i></p> <p>215- An Extensive Study of the Bag-of-Words Approach to Gender Identification of Arabic Articles <i>K. Alsmearat, M. Al-Ayyoub, R. Al-Shalabi</i></p> <p>164- Chunking Arabic Texts Using Conditional Random Fields <i>N. Khoufi, C. Aloulou, L. Hadrich Belguith</i></p> <p>177- Automatic Genre Description of Audiovisual Documents <i>M. Fourati, A. Jedidi, F. Gargouri</i></p>	<p>225- Performance Comparison of Classification Algorithms for EEG-based Remote Epileptic Seizure detection in Wireless Sensor Networks <i>K. Abualsaud, M. Mahmuddin, M. Saleh and A. Mohamed</i></p> <p>254- Smartphone Sensors as Random Bit Generators <i>J. Loufji, A. Chehab, I. Elhaji, A. Kayssi</i></p>	<p>40- Anomaly Based Intrusion Detection for Building Automation and Control Networks <i>Z. Pan, Y. Al-Nashif, S. Hariri</i></p> <p>115- DAGGER: Distributed Architecture for Granular Mitigation of Mobile Based Attacks <i>K. Bakhit, I. Elhaji, A. Chehab, A. Kayssi</i></p> <p>124- A Systematic Review of Adaptive Security in Dynamic Software Product Lines <i>M. Amoud, O. Roudies</i></p>
5:15-7pm	<p align="center">Qatar University and Doha Corniche Tour</p>			
7-9pm	<p align="center">Gala Dinner</p>			

Thursday 13 Nov. 2014

8:30-9:30	<p align="center">Keynote Speech Mining Patterns in Attributed Graphs: Exact and Approximate Methods Dr. M. Zaki <i>Principal Scientist at Qatar Computing Research Institute (QCRI), Qatar</i> <i>Chair: S. Hariri</i> Al-Wajba Ballroom</p>		
9:30-11am	<p>Track 3: Big Data, Business Intelligence, Analytics (Session 2) <i>Chairs: A. R. hadjidj</i> Al Wajba Ballroom 1</p>	<p>Track 1: Cloud & Distributed Computing <i>Chairs: A. Goscinski & M. Bubak</i> Al Diwan Meeting Room 2</p>	<p>Track 9: IR, Data and knowledge management <i>Chairs: S. Foufou & S. Abdelwahed</i> Al Diwan Meeting Room 1</p>
	<p>135 - Efficient Information Retrieval using Lucene, Lindex and Hindex in Hadoop <i>A. Brigit Mathew, P. Pattnaik, M. Kumar S. D.</i></p> <p>209 - A Global and Comprehensive Approach for XML Data Warehouse design <i>Z. Ouaret, O. Boussaid, R. Chalal</i></p> <p>154 - Comparison of Traffic Speed and Travel Time Predictions on Urban Traffic Network <i>M. Arif Rasyidi</i></p> <p>33 - P-ETL: Parallel-ETL based on the MapReduce paradigm <i>M. Bala, O. Boussaid, Z. Alimazighi</i></p> <p>158 - A Framework for Crowd-Sourced Data Collection and Context-Aware Services in Hajj and Umrah <i>A. Ahmad, M. Abdur Rahman, M. Ridza Wahiddin A. Lbath</i></p>	<p>9- SaaS Clouds Supporting Non Computing Specialists <i>P. Church, A. Goscinski, Z. Tari</i></p> <p>186- A Component-Based Framework for Autonomic Performance Management in a Distributed Computing Environment <i>R. Mehrotra, S. Abdelwahed</i></p> <p>144- DOC-BRelax: A new Multi-Agent approach for solving Distributed Constraint Optimization Problems <i>N. Sassi, K. Ghédira, K. Ben Salah</i></p> <p>100- A Novel Framework for Supporting the Exponential Worldwide Adoption of Electronic Transactions <i>R. Righi, C. Costa, V. Facco, L. Chiwiacowsky, D. Kreutz, A. Andrade.</i></p> <p>147- Power-aware virtual machines consolidation architecture based on CPU load scheduling <i>N. Madani, A. Lebbat, S. Tallal, H. Medromi</i></p>	<p>238- Multivariate analysis of Web content changes <i>M. Carla Calzarossa and D. Tessera</i></p> <p>193- Information Retrieval from Database Queries <i>V. Catão, M. C. Sampaio and U. Schiel</i></p> <p>129- Hyper Rectangular Trend Analysis: Application to Islamic Rulings (Fatwas) <i>A. Hassaine, S. Elloumi, F. Ferjani, A. Jaoua</i></p> <p>228- ConProve: a Conceptual Prover System <i>S. Elloumi, A. Jaoua, B. Boulifa, M. Saleh, J. Alotaibi</i></p>
11-11:20am	<p align="center">Coffee Break</p>		
11:20-12:40	<p>Track 3: Big Data, Business Intelligence, Analytics (Session 3) <i>Chairs: A. A. Hamed</i> Al Wajba Ballroom 1</p>	<p>Track 10: Natural Language Processing (Session 4) <i>Chairs: A. Jaoua</i> Al Diwan Meeting Room 2</p>	
	<p>31 - Classification of High Dimensional Educational Data using Particle Swarm Classification <i>A. Ali Yahya, A. Osman</i></p> <p>224 - CedCom: A High-Performance Architecture for Big Data Applications <i>A. R. Haque, T. Raynaud, H. Ait-Kaci</i></p> <p>226 - Self-Adaptive Heterogeneous Random Forest <i>M. Bader-El-Den</i></p> <p>121- The Analysis of Large-Scale Climate Data: Jordan Case study <i>Y. Jararweh, I. Alsmadi, M. Al-Ayyoub, D. Jenerette</i></p>	<p>143- Emotion Conversion for Expressive Arabic Text to Speech <i>D. Gamal, M. Rashwan, S. Abdou</i></p> <p>201- A Computer Aided Pronunciation Learning System For Teaching The Holy Quran Recitation Rules <i>S. Mahdy Abdou, M. Rashwan</i></p> <p>180- Amazighe Named Entity Recognition Using a A Rule Based Approach <i>S. Boulaknadel, M. Talha, D. Aboutajdine</i></p> <p>34- Voice Pathology Detection Using Auto-Correlation of Different Filters Bank <i>A. Al-Nasheri, Z. Ali, G. Muhammad, M. Alsulaiman</i></p>	
12:40-1pm	<p align="center">Closing Session + Best Paper/Student Awards</p>		
1-2pm	<p align="center">Lunch</p>		
2-9pm	<p align="center">4x4 Desert Safari (including Beach, Sport activities and Dinner at Bedouin Camp)</p>		