ACIT'2010 PROGRAM

9:00 --:   Meeting of the Deans (Tebisty Hotel)

Meeting of the Executive Committee of the Colleges of Computing and

Information Society

16:00-19:00: Registration (Tebisty Hotel)

Day 1	Tuesday: December 14, 2010

09:00-10:00: Registration **(University of Garyounis)**

10:00-11:00: Opening Session **(Intifatha Hall – University of Garyounis)**

11:00-11:30: Break

11:30-13:00: Keynote Speaker **(Intifatha Hall – University of Garyounis)**

Dr. Richard Stallman   President of the Free Software Foundation.

Free Software and Your Freedom.

Session chair: Emad Abuelrub

13:00-13:30: Exhibition Tour

13:30-15:30: Lunch

15:30-17:30: 4 Parallel Sessions   **(Halls 1,2,3, and 4 – University of Garyounis)**

Hall 1 Intifatha	Session 1: Information Security *Session chair:* Jehad Alsadi
	282 - Supporting Macro Antivirus Programs by Designing Undetected Virus *Wesam S. Bhaya*
	441 - نظم مراكز في الرقمية البيانات وسرية لأمن27001 الليبية المواصفة تطبيق العظمى بالجماهيرية الجغرافية المعلومات *د. عثمان ابوبكر القاجيجي*
	524 - A Proposed Security Evaluator for Knapsack Public Key Cryptosystems Based on ANN *Sattar B. Sadkhan, Nidaa A. Abbas and Muhammad K Ibrahim*

	626 - Challenges of Security, Protection and Trust on E-Commerce: A Case of Online Purchasing in Libya *Abdulghader A. Ahmed Moftah, Hadya S. Hawedi, Siti Norul and Huda Sheikh*
	764 - Centralized Dynamic Protection against SQL Injection Attacks in Web Applications *Ramzy Esmail Salah and Ammar Zahary*

Hall 2	**Session 1: AI & Expert Systems** *Session chair:* Ahmad Al Taani
	397 - CST New Slicing Techniques to Improve Classification Accuracy *Omar A. A. Shiba*
	425 - Modeling the Financial Performance of Construction Companies, Using Artificial Neural Network *El-Kassas E.M, Mohamad H.H, Bassouiny H.M and Farghaly K.M*
	445 - Non-Destructive Technique for PCCP Monitoring Using Equivalent Circuit and Artificial Neural Networks (A Simulation Study in GMRA) *Y. Shakmak and S. Awami*
	455 - Multi-Robots Cooperation Strategies in an Exploration Task *Ashraf S. Huwedi*

Hall 3	**Session 1: Information Systems** *Session chair:* Osama Badawy
	374 - An Application of the Balanced Scorecard Tool to the Activities of the General Electricity Company of Libya *Faraj Omeish and Habib Lejmi*
	388 - نظم المعلومات (ERP SYSTEMS) وأثرها على اداء المؤسسات الحديثة محمد مسعود /أحمد
	501 - Post-Implementaion Evaluation of Enterprise Resource Planning (ERP) Implimentation – in a Public Utilities *Murad Musa Sakkah and Habib Lejmi*
	531 - Classification Based on Association-Rule Mining Techniques: A General Survey and Empirical Comparative Evaluation *Alaa Al Deen, Mustafa Nofal and Sulieman Bani-Ahmad*

	737 - The Semantic Web Framework (SWF) *Ahmed Nada and Badie Sartawi*

Hall 4	**Session 1: Algorithms & Applications** *Session chair:* Gasm-Elseed Ibrahim
	252 - NK-Sorting Algorithm *Nidhal K. El Abbadi and Zayed Yahya A. Karem*
	706 - A Retroactive Quantum-Inspired Evolutionary Algorithm *Zakaria Laboudi and Salim Chikhi*
	718 - Motion Planning and Control of Non-Holonomic Mobile Manipulator Using Fuzzy Logic *M.Hamani and A.Hassam*
	759 - Numerical Simulations for 1+2 Dimensional Nonlinear Schrödinger Type Equations *Thiab R. Taha , Wei Yu and M. S. Ismail*
	555 - Exact Method for Resolving the Q3ap Problem on Calculation Grid *Melle Sabrina Sahraoui and Mohamed-Khired*
	740 - A Graph Grammar Approach for Durational Action Timed Automata Determinization *Djamel Eddine Saidouni, Ilhem Kitouni and Hiba Hachichi*
	402 - A Tool of Annotation and Semantic Research of Video-Conferences Founded on Conceptual Graphs *Ameni Yengui and Mahmoud Nej*

17:30-18:00: Break

18:00-19:00: 3 Parallel Sessions **(Halls 1,2, and 3 – University of Garyounis)**

Hall 1 **Intifatha**	**Session 2: Image Processing** *Session chair:* Otman A. El-Gajiji
	266 - Facial Features Segmentation for Extraction of Facial Expression *Amin Badraoui and Mahmoud Neji*
	269 - Robustness Technique for Digital Image Watermarking Using Frequency Domain Transformations *Omed Saleem Khalind and Raoof Smko Asif*
	286 - Person Identification Technique Using Human Iris Recognition *S.M. Ali*

Hall 2	**Session 2: Software Engineering** *Session chair:* Mohamed khlaif
	256 - Hybrid Model for Software Development Processes *Nabil Mohammed, Ali Munassar and A. Govardhan*
	419 - Refactoring of Test Case to Improve Software Quality *Divya Prakash Shrivastava and Rached Omer Agwil*
	431 - Studying Relations between Websites Structural and Popularity Metrics *Izzat Alsmadi, Ahmad T. Al-Taani, and Nahed Abu Zaid*
	668 - Weighting of Conceptual Neighborhood Graph for Multimedia Documents Temporal Adaptation *Azze-Eddine Maredj and Nourredine Tonkin*

Hall 3	**Session 2: Computer Networks** *Session chair:* Ammar Zahary
	364 - Analysis of Delay Latency of the Active Reliable Multicast Protocols *Lakhdar Derdouri, Congduc Pham, and Mohamed Benmohammed*
	456 - Performance Evaluation of Mobile Voice Service Using Different Audio Codecs Over a Wi-Fi Network *Raniem B.Almongoush and Adel Aneiba*
	675 - Performance Evaluation of Ad Hoc Routing Protocols (DSDV and OLSR) in High Mobility Scenario for Manet *Sofian Ali Ben Mussa and Mazani Manaf*
	491 - Fault Diagnosis of Rotating Machinery Using Wavelet Transform and Principal Component Analysis. *Hocine Bendjama, Mohamad S. Boucherit and Saleh Bouhouche*

Day 2   **Wednesday: December 15, 2010**

 08:30-09:30: Registration **(University of Garyounis)**

09:30-11:00: Keynote Speaker **(Intifatha Hall – University of Garyounis)**

Dr. Badrul H Khan President and Founder, McWeadon Education,

A Global Framework for E-Learning

Session chair: Obaidah Elmahguibi

11:00-11:30: Break

11:00-13:00: ACIT Steering Committee meeting

11:30-13:30: 4 Parallel Sessions   **(Halls 1,2,3, and 4 – University of Garyounis)**

	Session 3: E-learning
	147 - Effectiveness of E-Learning Process and Design of E-Learning Environments *Gamal S. Ahmed Allam*
	308 - How Higher Engineering Researchers in Libya Perceive the Use of Internet Technology *Abdussalam E.Elzawi and J. Underwood*
Hall 1 **Intifatha**	415 - التعليم الإلكتروني في العراق .. الواقع والطموح نضال خضير العبادي
	436 - Implementation of ICT and E-Learning in Libyan Education: A Study *V. Sudhakar Naidu, P.G.V.Suresh Kumar and Nasreddin Bashir El Zoghbi*
	556 - Applying the Australian Model in the SVU. *Ayub Al-Badowi*
	761 – التعليم المدمج .. مستقبل التعليم التقليدي *أحمد عبد القادر فضل عثمان*

Hall 2	**Session 3: Image Processing** *Session chair:* Abdelsalam Elmarimi
	325 - Thermographic Imagery for Quantifying Near Surface of the

	Concrete Crack Damage *Atif Massuod and Shahid Kabir*
	371 - Face Detection Based on a Hybrid Method *Omri Majid and Neji Mahmoud*
	412 - Human Skin Color Modeling, Segmentation and Correction for Face Detection *Sinan Naji , Roziati Zainuddin and Jubair Al-Jaafar*
	534 - Toward an Automatic Segmentation Method of Endocardial Border in Cardiac Magnetic Resonance Images *Mohammed Ammar, Mohammed Amine Dr.Chikh and Saıd Mahmoudi*
	589 - A Modified K-Means Clustering Algorithm for Gray Image Segmentation. *Ibrahim A. Almerhag, Idris S.El-Feghi and Ali A. Dulla*
	634 - Face Region Detection Using Skin Region Properties *Kenz A. Bozed , Ali Mansou and, Osei Adjei*

Hall 3	**Session 3: Arabic Language Processing** *Session chair:* Abdallah Alashqur
	406 - Arabic and English Words Contour Compression Using Trapezoid Method *Ali A. Ukasha, Rasem A. Ali and Adel Hamidat*
	430 - An Arabic-English Indexing System Using Inverted Index Algorithm *Ahmad T. Al-Taani , Ahmed S. Ghorab and Hazem M. Al-Najjar*
	575 - Analysis of Primary School Arabic Language Textbooks. *B. Belkhouche, H. Harmain, H. Al Taha, L. Al Najjar, and S. Tibi*
	643 - Extracting Arabic Collocations Based on Jape Rules *Soraya zaidi, Mohamed-Tayeb Laskri and Ahmed Abdelali*
	653 - Alkhalil Morpho SYS1: A Morphosyntactic Analysis System for Arabic Texts *A. Boudlal, A. Lakhouaja, A. Mazroui and A. Meziane*
	707 - A New Technique for Arabic Handwritten Recognition Based on UHS Database *Omar M. El-Sallabi and Amany Aljamal*
	Decision Tree Classifier for Supertagging Arabic Texts *Chiraz Ben Othmane Zribi, Fériel Ben Fraj, Mohamed Ben Ahmed*

Hall 4	
	~~Session 3: Digital Telecommunications~~

	*Session chair***:** Ghassan Fallouh
	525 - Blind Receiver of OFDM System Based on ICA for Single-Input Single-Output systems *Sattar B. Sadkhan, Hanan A. Akkar and Wafaa M. Shakir*
	574 - Bandwidth Allocation for Handover Calls in Mobile Wireless Cellular Networks – Genetic Algorithm Approach *Khaja Kamaluddin and Abdalla Radwan*
	676 - Linear Multiuser MMSE Detector Performance in Synchronous CDMA System *Tarik Suleiman and Abdelgader M. Legnian*
	682 - Performance of Blind Adaptive Multiuser Detection in Synchronous CDMA Channel *Khalifa M. Ali and Abdelgader M. Legnain*
	713 - A Component Model for the Synthesis of Communication Interfaces *Yasmine Mancer, Djamal Bennouar and Nadjia Benblidia*

13:00-15:30: Lunch

15:30-17:30: 4 Parallel Sessions   **(Halls 1,2,3, and 4)**

	Session 4: - Software Engineering *Session chair:* Jasim Altimimi
Hall 1 **Intifatha**	450 - A New Technique for Detecting and Locating Inconsistencies in Software Requirements *Randa Ali and Numan Khaldi*
	535- نموذج لإستخلاص المعرفة الذهنية المتولدة أثناء أعمال هندسة متطلبات البرمجيات *نسرين على الحربى و عبدالمجيد حسين محمد*
	647 - A Strategy that Improves Quality of Software Engineering Projects in Classroom *Khalid Slhoub*
	719 - A Tool for Design Pattern Detection *Imen Issaoui, Nadia Bouassida and Hanene Ben-Abdallah*
	705 - Integrating Architectural Description into OMG Infrastructure *Adel Smeda*
	662 - Implementing Tram Using Amine to Enhance CG Tool Interoperability *Antesar M. Shabut*

Hall 2	**Session 4: E-Learning Presentations**

Hall 3	**Session 4: AI & Expert Systems** *Session chair***:** Ashraf S. Huwedi
	709 - An Algorithm for Qualitative Causal Reasoning in the Cognitive Maps *Tahar Guerram, Ramdane Maamri, Zaidi Sahnoun, Salim Merazga*
	710 - Qualitative Modeling of Complex Systems by Neutrosophic Cognitive Maps: Application to the Viral Infection *Tahar Guerram, Ramdane Maamri, Zaidi Sahnoun, Salim Merazga*
	717 - The Effect of Datasets Characteristic in the Induction of Fuzzy Regression Trees Using Elgasir *Fathi Gasir, Zuhair Bandar, and Keeley Crockett*
	751 - Neural and Fuzzy Methods for Handwritten Character Recognition *Adnan Shaout, and Jeff Sterniak*
	757 - Fuzzy Logic for Regen Enhanced Eco-Routing of Automobiles *Dean T. Wisniewski and Adnan K. Shaout*

Hall 4	**Session 4: E-Commerce, IT & Society** *Session chair:* Badie Sartawi
	186 - معايير استحداث تخصصات كليات الحوسبة فراس محمد العزة و عبد الفتاح عارف التميمي
	552 - The Intranet and Its Impact in the Hold of Decisions at the Level of Enterprises *Mohamed Khireddine Kholladi*
	715 - It Demand Analysis of the Leadership Management Program at the Libyan National Economic Development Board *Mahmud Sherif, Fouzi Elmozogi, Habib Lejmi, and Tarek Tantoush*
	457 - B2C E-Commerce Banking in Developing Countries: An Empirical Study in Egypt *Tarek Taha Ahmed*
	490 - Communication Media in Business Industries: Perspectives on Effectiveness

	Reynaldo Segumpan, Joanna Soraya Abu Zahari, Saif Said Al-Ghafri

Day 3   **Thursday: December 16, 2010**

09:00-11:00: 4 Parallel Sessions **(Halls 1,2,3 and 4)**

Hall 1 **Intifatha**	**Session 5: Computer Simulation & Multimedia** *Session chair:* Nidhal K. El Abbadi
	429 - A Multi-Agent System for the Modelling of the HIV Infection *Laroum Toufik, Bornia Tighiouart and Mohamed Redjimi*
	440 - Computer Simulation of 2d-Electric Voltage Distribution in the Anode of the Aluminum Smelter *Ibrahim Hammamu, Khalaf Jehad abed and Rabeea Badr*
	652 - Development of an Intelligent Monitoring Green House system Based on Wireless Sensors Network Nodes with Fuzzy Logic Controller *Mohamed Fezari, Hamza Atoui and M. S. Boumaza*
	742 - A Multimodal Approach for Soccer Video Summarization *Maher Jaoua, Lamia Hadrich Belguith, Fatma Kallel Jaoua and Adelmajid Ben Hamadou*

Hall 2	**Session 5: Computer Networks** *Session chair:* Adel Aneiba
	678 - Performance Comparison for Mobile Ad Hoc Routing Protocols in Large Networks *Muattaz Elaneizi, and Ibrahim Buamod*
	691 - NS2 Implementation for Reactive Channel-Hopping and Error-Correcting Codes *Ali Mohammed Al-Sharafi, M. Hayel Al-Hakimi and Talal Al-Sharabee*
	698 - Simulation of WIMAX Emergency Backup Communication Network Using NS2 *Ali Mohammed Al-Sharafi, Adham M.Jaffar, Abdullah Ali Salem and Abdussalam Mahyob ghaleb*
	725 - Energy-Efficient Traffic-Aware Multihop Routing for Wireless Sensor Networks *Khaled Daabaj and Tarek Sheltami*

739 - Adaptive ACK: A Novel Intrusion Detection System to Mitigate Intended Packet Dropping in Manets

	A. Al-Roubaiey, T. Sheltami, A. Mahmoud, E. Shakshuki and Khaled Daabaj
	743 - Evaluation of Adaptive Statistical Sampling Versus Random Sampling for Video Traffic *Aboagela Dogman, Reza Saatchi, and Samir Al-Khayatt*

Hall 3	**Session 5: Machine Learning** *Session chair***: Fatma Elgali**
	258 - Comparative Analysis on Data Discretization Technique for Naive Bayes Classifer *Almahdi M. Ahmed, Azuraliza Abu Bakar, and Abdul Razak Hamdan*
	377 - Comparison of Crisp and Fuzzy KNN Classification Algorithms *Faraj A. El-Mouadib and Amal F. Abdalsaalam*
	464 - Arrhythmia Classification from ECG Signals Using Data Mining Approaches *Ali Kraiem and Faiza Charfi*
	762 - Integrated Semi-Handwritten Hindu Numerals Recognition Using Support Vector Machine *Ashwag M. Gadeed and Mohamed E. M. Musa*
	752 - Modeling the Data of An Arabic Treebank as Patterns of Syntactic Trees *Feriel Ben Fraj, Chiraz Ben Othmane Zribi, and Mohamed Ben Ahmed*
	263 - Preferscapes: Maps of Residents' Predicted Preferences *Ray Wyatt*

Hall 4	**Session 5: Database Systems** *Session chair***: Mohamed Kholladi**
	416 - A Study of Multilevel Association Rule Mining *Faraj A. El-Mouadib and Amina O. El-Majressi*
	438 - Applying Attribute Level Locking to Decrease the Deadlock on Distributed Database *Alaa Al-Hamami and Khaled S. Maabreh*
	580 - CAME-BDO: A Tool for Designing Data Marts from Object Databases. *Salma Ben Mefteh, Jamel Feki and Yasser Hachaichi*
	658 - Method for Distributed Database Design *Taher Ali Al-Rashahy*

	686 - A Pattern Language of Conceptual Data Model Patterns Based on Fully Communication Oriented Information Modeling (FCO-IM) *Fazar Azizah and Guido P. Bakema*
	726 - Association Rules Mining from Data Warehouses: A Comparative Study *Eya Ben Ahmed and Faiez Gargouri*

11:00-11:30: Break

11:30-13:30: 4 Parallel Sessions   **(Halls 1,2,3 and 4)**

	Session 6: Neural Networks & HCI *Session chair*: Adnan Shaout
Hall 1 Intifatha	400 - Application of Artificial Neural Networks Technique in Modeling Water Networks *Abdelwahab M. Bubtiena and Ahmed H. Elshafie*
	439 - Genetic Algorithms and Fuzzy Logic with Voice Recognition in Neural Networks *Nune Sreenivas, P.G.V.Suresh Kumar and M.V.Lakshmaiah*
	700 - Prediction of Pipe Failures in Water Mains Using Artificial Neural Network Models *Nasser M. Amaitik and Saleh M. Amaitik*
	671 - Evaluation of the Jordanian E-Government Websites Evolution *Qasem A. Al-Radaideh and Doha A. Al-Smadi*
	704 تمييز إشارات تخطيط الدماغ باستخدام شبكة الانتشار العكسي المعتمدة على معاملات مرشح التوقع الخطي- عبدالستار محمد خضر ونجلاء متي اسحق سفـر
	720 - Lexical Study of a Spoken Dialogue Corpus in Tunisian Dialect *Marwa Graja, Maher Jaoua and Lamia Hadrich Belguith*

	Session 6 *Session chair:* Tarek Taha Ahmed
Hall 2	689 - Deploying Holistic Approach for Strategic Alignment of Information System *Azedine Boulmakoul, Noureddine Falih and Rabia Marghoubi*
	510 - A Neuro-Fuzzy *Recognition* of Premature Ventricular Contraction *M. A. Chikh, M. Ammar and R. Marouf*
	615 - Arabic Text Classification Based on Features Reduction Using Artificial Neural Networks. *Fawaz Al-Zaghoul and Sami Al-Dhaheri.*

	637 - A Neuro-Fuzzy Recognition of Premature Ventricular Contraction *M. A. Chikh, M. Ammar and R. Marouf*
	654 - Forecasting Model Based on Fuzzy Time Series Approach *Samira M. Boaisha and Saleh M. Amaitik*
	604 - W-CDMA Via High Altitude Platform Station System *Mohammad A. M. Al-Rawas*

	Session 6: Software Engineering *Session chair:* Boumediene Belkhouche
Hall 3	716 - Transforming Business Patterns to Labelled Petri Nets Using Graph Grammars *Karima Mahdi, Allaoua Chaoui, and Raida Elmansouri*
	745 - Use of Multi-Agent Systems for Detecting Features Interaction in Telecommunication Systems *Mohamed Elammari and Saria Eltalhi*
	749 - Software Architecture Approaches for the Specification of Human-Computer Interfaces: An Overview *Cherfa Imane and Bennouar Djamal*
	750 - Towards a General Architecture for Building Intelligent, Flexible, and Adaptable Recommender System Based on MAS Technology *Mohamed Elammari and Rabeia .N. Abdleati*
	753 ـ تعزيز واجهات التعامل بشر-حاسوبى إعتماداً على خصائص النظرية الشيئية لهندسة البرمجيات_ فاطمة عبدالله الغالى , عبدالمجيد حسين محمد

Hall 4	**Session 6: Image Processing** *Session chair*: Feriel Ben Fraj
	616 - An Optimized Edge Detector Based on Fuzzy Logic *Talai Zoubir and Talai Abdelouaheb*
	655 - Surface-Damage Classification of Concrete Structure Using Image Processing Method *Ekrem Emhmed and Shahid Kabir*
	681 - Digital Correlation Method Based on Microgeometrical Texture Patterns for Displacement Field Measurements *Halima Bubaker-Isheil, Jérôme Serri and Jean François Fontaine*

696 - Segmentation of Images by Mean Shift Method: Application to Satellite Images

Imine R.   Ait Amrane M.   Ammour A. Yahia Berrouiguet S. and

	Benyettou
	748 - Base-Area Detection and Slant Correction Techniques Applied for Arabic Handwritten Characters Recognition Systems *Mohamed A. Ali and Kasmiran Bin Jumari*
	758 - Offline Handwritten Arabic Recognition Using Kohonen Map and CPANN *Lamia Abusedra and Amal El Gehani*

13:30 – 14:00: Closing Session