

3rd Annual Undergraduate Research Conference on Applied Computing
 College of Information Technology, Zayed University, Dubai, UAE
 May 4 - 5, 2011
<http://www.zu.ac.ae/urc>
 Conference Program (**Oral Presentations**)

Day	Session	Session Name & Chair(s)	Room#	Order	Paper #	Title	Authors	Country
1	Afternoon 2:00 - 3:00	GIS Applications	1	1	9	Swine Flu Detection Using Nearest Neighbor Generalization	Alya Al Sheraiqi and Nazar Zaki	UAE
				2	15	UAE GIS-based Road Accidents Analyzer using Google Maps API	Oualid Ben Ali, Fatima Sayed, and Aisha Salim	UAE
				3	22	UAE Crime Mapping Using Google Maps API	Zahra'A Hawas and Oualid Ben Ali	UAE
	Internet Applications	2	Co-Chairs: Ayesha Fahed Al Ali, Sara Salem Al Manea	1	110	E_ diagnosis By body map	Nagwa Badr, Shimaa Elwardany, Riham Kotb, Eman Abd El Aal, Maha Mahmoud and Engi Youssef	Egypt
				2	119	Twitter Trends	Alia Al-Bluwi, Wejdan Al-Thumairi, Layan Al-Wakeel, Maha Al-Qernass and Hind Al-Habib	KSA
				3	72	Internet Addiction	Nora Alshaikh	Bahrain
				4	107	A Social Network Search Algorithm for Team Formation	Kareem Kamel, Noor Tubaiz and Zaher Al Aghbari	UAE
	IS in Education	3	Chair: Shaima Mohamed Balbahaith	1	2	Towards a Tutorial-Based System to Assist Children with Special Needs	Osama Almalh, Salman Raeisi and Jihad Mohamad Alja'Am	Qatar
				2	4	Avatar-Based approach for teaching Arabic Sign-Language (Part 2)	Abeer Al-Anazi and Sumaya Al-Mzyd	KSA
				3	41	Mufasseh: A Modern Arabic Dictionary	Safaa Dhanhani, Fatimah Ramsi and Saada Al Mansori	UAE
	Networking and Security	4	Co-Chairs: Meera Yousif Al Marar, Ayesha Mohamed Al Hammadi	1	74	Implementation of network traffic access control using Dynamic ACL(Lock & Key) and NBAR	Asmaa Khamis Makhalf Bait Aradhin and Faizal Hajamohideen	Oman
				2	44	MAC - Layer Protocols for WiMAX-Sensor and CCTV network	Mubarak Alqahtani and Ahmed Sulyman	KSA
				3	33	Adaptive Counter-based Broadcasting Scheme in Mobile Ad Hoc Networks	Muneer Bani Yassein and Balqees Habbseh	Jordan
				4	14	Detecting spam emails using machine learning techniques	Azza Al Houqani and Nazar Zaki	UAE

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		System Development	5	1	25	Multi-purpose Speech Recognition and Speech Synthesis System	Hussein Mohsen, Karim Jahed and Marwan Fawaz	Lebanon
		Co-Chairs: Shuaa Hamad Bualama, Mariam Saeed Shamlan		2	28	Diagnosing ADHD with Eye Tracker	Afnan Al-Ghaith, Haifa Al-Omran, Huda Al-Atwi, Refah Al-Subaie, Sara Al-Khalaf and Zainab Al-Mousa	KSA
			3	29	Design and Development of a Zakat Expert System	Alia Mohammed, Amna Ahmad, Haifa Hassan, Suad Rashid, and Zakaria Maamar	UAE	
1	Afternoon 3:00 - 4:00	Open Source	1	1	1	IT Standards in the UAE	Sumaya Suliman, Maitha Al Khamisi, Shaikha Abdulsalam, Amena Saleem, Aisha Awadh Al Hemari, Amna Saeed , Asma Mohamed, Rahma Mohamed and Iman Al Amri, Manar Abu Talib, May El Barachi, and Adel Khelifi	UAE
		Chair: Sara Abdulhakim Thani		2	20	OpenAPI WEBOS (Web Operating System)	Ayman Awartani	Paestine
			3	57	Adding "Agility"to Open Source Software Development: An Exploratory Study	Deepika Satyarajan, Dr. Shri Krishna Pandey and Vishwesh Akre	UAE	
		Visualization & Modeling	2	1	47	Virtual Mouse - Human Eye Controlled Assistive Mouse Movements	Sultan Alsharif, Harish Bhaskar and Youssef Iraqi	UAE
		Chair: Hessa Khalid Noor		2	71	I-ARCHTECT: A Virtual Reality CAD System	Randa Abu Snaineh, Mostafa Ali, Ayad Salhieh, Alalya Khalifa, and Robert Reynolds	Jordan
			3	106	Computer Modeling, Simulation, and Implementation of Wireless Sensor Network for Pipeline Leakage Detection	Ahmed Hassanin, Yusuf Mohamed, Mansour Taghadosi, Farook Ahmed and Mustahsan Mir	UAE	
		Advanced Applications	3	1	91	Prevention IP address spoofing using ACLs and uRPF	Zainab Ali Al-Ojaili and Faizal Hajamohideen	Oman
		Chair: Hamda Ebrahim Al Ali		2	103	Implementation of an intelligent landmine detection system using microwave imaging	Muaz Mohammed, Abdolmajid Jahrom and Tamer Al Diek	UAE
			3	42	Development of Target-Interception Autonomous Robot System	Khawla Al-Mansoori, Maryam Al-Shehhi, Khadeeja Al-Hosani and Maryam Al-Tenaij	UAE	
			4	46	An Arabic Sign Language Computer Interface Using the Xbox Kinect	Hosam Ershaed, Ibrahim Al-Alali, Natheer Khasawneh and Mohammad Fraiwan	Jordan	

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		Security	4	1	83	Implementation of TCP Intercept to prevent DOS attack and Filter Traffic using policy based routing in a network	Fatima Said Amer Al-Hadhre and Faizal Hajamohideen	Oman
		Chair: Noora Jassim Mohammad		2	81	Advanced Physical Activity Calorimeter	Deepika Jonnalagadda, Isha Abdullah and Bayu Juartiyono	Qatar
				3	90	Implementation of CBAC to prevent DoS attack and to prevent TCP SYN flooding using TCP intercept in watch mode	Iman Shaban Malkoot Bait Taroom and Faizal Hajamohideen	Oman
		e-Applications	5	1	67	e - Fashion : A new Approach to online apparel shopping	Sneha Bhatia, Namrata Muthreja, Vishwesh Akre	UAE
		Chair: Alya Yousif Yousif		2	30	Case Study on Dubai E-Government (A Force to Change)	Amna Hassan Yousuf, Shama Mohamed Saeed, and Fahim Akhter	UAE
				3	32	An Effective User Interface Design for an Interactive Virtual Museum: Case Study of Dubai Interactive Digital Museum	Ayesha Bin Hazaim, Fatima Almarzoqi, Hassa Alamri and Maliha Bastaki	UAE
2	Morning 11:00 - 12:00	Security	1	1	78	Implementations of Application Port-Mapping using CBAC and Smurf Attack Mitigation Using CAR	Deena Sale Abdullah Haydar and Faizal Hajamohideen	Oman
		Co-Chairs: Kholoud Ahmed Al Amoudi, Fatema Abdulla Abdul Jabbar		2	120	Sequential Pass Pattern Authentication System	Mohammed Alghamdi	KSA
				3	108	System development for Proving the Credibility of Iridology	Abd Allah Alfaisal, Taher Almutir, Nafeair Almutir and Ali El-Zaart	KSA
		Advanced Applications	2	1	49	Efficient Artificial Neural Network Design for Recognizing Iris Data Based on Intensity Reflected and Saved in the Eye	Maliha Hussain and Ghada Al-Hudhud	KSA
		Co-Chairs: Heyam Al Marzooqi, Fatima Ahmed		2	114	Sound Source Localization for Automatic Camera Steering	Basilio Dahalan and Wathiq Mansoor	UAE
				3	23	Cooling the Airbus A380, The World's Largest Airliner	Brendan Arango, Ben Hughes and Hassam Chaudhry	UAE
		Web Applications	3	1	94	Automatic Web Accessibility Evaluation Framework	Hend Al-Khalifa, Noura Al-Soukaih, Hilah Al-Nafisah, Elaf Al-Hussain, Maryam Al-Kanhal and Moneerah Al-Onzi	KSA
		Co-Chairs: Noora Rashid, Salama Helal		2	116	Generating Test Cases from UML State Diagrams	Anwar Alosaimi, Abeer Almutairi and Mohammad Alanazi	KSA
				3	43	Undoing Sending an E-mail	Amro Awad, Hatem Mashaqi, Abdirahman Alasow and Ahmad Al-Hammouri	Jordan

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		Networking	4	1	92	Evaluation of network traffic using Reflexive Access Lists and CBAC method	Laila Ahmed Said Al-Rawas and Faizal Hajamohideen	Oman
		Chair: Loulwa Abdulla Al Nuaimi		2	93	Comparative study on inspecting network traffic using Access Lists and Reflexive Access Lists	Tafool Ahmed Habkut Kashoub and Faizal Hajamohideen	Oman
				3	55	Real-time Detection, Tracking and Reaction to Moving Objects at High Speeds	Mohammed Altayer, Milad Bejjani, Muhammed Eljabari, Reham Helmi and Reza Khosravani	UAE
		Mobile Applications	5	1	95	Mobile-Based Health-Hub Architecture for Chronic Diseases Management	Hussein Hassani, Suhail Abood, Nadine Jaradat, Dima Abu Ali and Majid Al-Tae	Jordan
		Chair: Hessa Humaid Al Matrooshi		2	96	Instrumentation of a Motorized Wheel Chair Simulator Platform to Move in a First Person Avatar	Marwan Said and Ahmed Abu-Ghazala	Qatar
				3	86	GoTour : A Mobile Tourist Guide For Trip Planning	Hebah Al-Moaiqel, Haifa Al-Ajlan, Khawlah Al-Rayes, Khawlah Al-Salem, Nora Al-Fantoukh and Aise Zulal Sevkli	KSA
2	Afternoon 2:30 - 3:30	Advanced Computing	1	1	102	Cloud Computing	Maha Al-Marri, Amna Al-Nuaimi and Aisha Al-Falasi	UAE
		Chair: Reem Abdelaziz Rakan		2	24	Quick Overview of Service-Oriented Architecture	Alya Saeed, Eman Ali, Hawra Ghanim, Khuloud musabh, Mariam Ahmed, and Zakaria Maamar	UAE
				3	104	I-TACAS: An Intelligent Traffic Alert and Collision Avoidance System	Mu'Ath Al-Qatnany, Yasmina Farah, Fatima Hassain, Bayan Al Khasoneh, Ayad Salhie and Mostafa Ali	Jordan
		Application Recognition	2	1	61	Online Text-Independent Arabic Writer Recognition	Adam Aboudan, Lara Kanbar and Hasnaa Rabbat	UAE
		Chair: Amna Hassan Al Nuaimi		2	17	Improving Holy Quran Recitation Using Speech Recognition Technology	Rawan Olayan, Rihab Bahabri, Eptesam Alsanea, and Lateefa Alsayari Dr.Yehya Elhadj, and Dr.Mai Fadel	KSA
				3	35	Facial surface alignment and recognition based on structured patterns	Mohamed Khamis Naqbi, Naoufel Werghi and Harish Bhaskar	UAE

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		Medical Computing	3	1	13	Indoor framework for patient and medical staff tracking using RFID-based system	Reham Alhalees, Abrar Dalgamouni, Sara Orfali, Samah Salam, Tarek Elfouly and Amr Mohamed	Qatar
		Chair: Muna Ali Mohamed Ahmad		2	117	Mobile-Based Interpreter of Arterial Blood Gas Results Using Computational Intelligence Decision Support	Ahmad Al-Tae, Suhail Abood, Hussien Hassani, Ayman Zayed and Majid Al-Tae	Jordan
			3	79	i-Surgeon: A Virtual-Training Environment For Innovative Medical Education	Ala'A Almasri, Nancy Alhalaikah, Mustafa Ziad and Eyad Salhie	Jordan	
				4	1	111	Are Students Ready to E-Learn? A Study of a University in the Gulf Region	Reem Khalifa, Ayesha Al Braiki and Abdallah Tubaishat
		Chair: Alya Mohammed Al Awadhi		2	123	Learning Disability System	Wejdan Althumairi, Nourah Alqahtani, Hind Alhabeb, Rawan Alabdan, Rema Alruwais, Fatimah Aljuaeedi and Arwa Alabdulkareem	KSA
				3	125	Student-Faculty Meeting Scheduler	Abdul Jabbar Siddiqui and Hamza Ijaz Abbasi	KSA