

ICCCP'07 Technical Program

Monday February 19, 2007	Time	Activity (Location)			
	08:00-09:00	REGISTRATION (Conference Hall-Helpdesk)			
	09:00-10:00	OPENING SESSION (Conference Hall)			
	10:00-10:30	STUDENTS POSTER SESSION (Exhibition Hall)			
	10:30-11:00	REGISTRATION (Conference Hall-Helpdesk)			
	11:00-11:30	COFFEE BREAK (Conference Hall)			
	11:30-12:30	KEYNOTE ADDRESS #1 (Conference Hall), "Research for Sustainable Economic Development" (By Prof. Mohamed El-Sharkawi)			
	12:30-14:00	LUNCH (Faculty Club)			
	Room #1: Session 1 Broadband Systems	Room #2: Session 2 Wireless Networks	Room #3: Session 3 Power Systems Operation - I	Room #4: Session 4 Control Theory & Applications	
14:00-14:20	Comparator for High Speed Low Power Ultra Wideband A/D Converter <i>A. Mohan, A. Zayegh, A. Stojcenski, R. Veljanovski</i> Australia	An Energy Aware Multi-path Routing Algorithm <i>S. Harous, M. Aldubai, Q. Nasir</i> UAE	Artificial Neural Network-Based Real-Time Economic Dispatch: Application to Muscat Grid <i>K. Ellithy and S. Al Alawi</i> Qatar	An Optimized Discontinuous Control of Nonholonomic Car-Like Vehicle <i>K. A. El-Metwally and F. Mnif</i> Oman	
14:20-14:40	A 3.1-5 Ghz CMOS Active Mixer for UWB IEEE 802.15.3a Standard Receivers <i>F. Touati, S. Douss, and M. Loulou</i> Oman/Tunisia	Prioritized Call Admission Control Scheme for Multimedia Wireless Networks <i>N. Nasser, S. Ben Rejeb</i> <i>V. Bricard-Vieu</i> France	Optimal Shunt Capacitors Allocation in Distribution Networks Using Genetic Algorithm- Practical Case Study <i>A. H. Moosa, K. Ellithy, and A. S. Al-Hinai</i> Oman	Canonical Realization for a Class of Non-Causal 2-D Systems <i>M.S. Boudelloua</i> Oman	
14:40-15:00	An Efficient Cellular DEVS Modeling Environment <i>F. A. Shiginah and B. P. Zeigler</i> Oman/USA	A Paravirtualized Scalable Emulation Testbed for Mobile Ad-Hoc Networks <i>P. Reinhardt, O. Battenfeld, M. Engel, B. Freisleben</i> Germany	Performance Analysis of Power Systems Communication Protocols for an Information Embedded Power Systems <i>M.T.O. Amanullah, A. Kalam and A. Zayegh</i> Australia	Fast and Precise Positioning by 2DOF Control with Friction Compensation <i>M. Iwasaki, H. Hirai, and N. Matsui</i> Japan	
15:00-15:20	COFFEE BREAK				
	Room #1: Session 5 Signal Processing	Room #2: Session 6 Network Applications	Room #3: Session 7 Power Systems Planning	Room #4: Session 8 Electric Drives	
15:20-15:40	Speed up Active Contours Using Line Search <i>J. J. Rouselle, R. Boné, and J. Olivier</i> France	Invited Paper Monitoring Safety Hazard Situations in an Airport Environment <i>G. Pestana, A. Casaca, and T. Silva</i> Portugal	Load Management in Industrial Sector and its Impact on Power Planning – A Case Study of Oman <i>F. S. Al-Mata'ni and A. S. Malik</i> Oman	Different Type of Controllers for Switched Reluctance Motor <i>W. Aljaim, M. Nagrial, and J. Rirzék</i> Australia	
15:40-16:00	A Texture Classification System Using Cooccurrence Matrices <i>M. S. Laghari</i> UAE		Distributed Voltage in Oman Electrical Power System <i>M. F. Abu-Sharkeh, A. Alghafri, and T. M. S. Alkhusaibi</i> Oman	Torque Optimization for SRM by Changing Stator and Yoke Geometry <i>W. Aljaim, M. Nagrial, and J. Rirzék</i> Australia	
16:00-16:20	Enhanced DCT Based Technique With Shuffle Scheme for Robust Image Watermarking of Handwritten Signatures <i>A. N. Al-Gindy, H. Al-Ahmad, A. Tawfik, and R. A. Qabwaji</i> ; UAE/UK	Performance Evaluation of Bluetooth in a High Voltage Environment <i>A. Rahim, R. Dimitrova and A. Finger</i> Germany	Environmental Impact of Main Interconnected Transmission System of Oman <i>T. M. S. Al-Khusaibi, M. Awlad Thani, Y. Al-Rawabi, and A. K. De Bhowmick</i> Oman	Robust Nonlinear Speed Control of PM Synchronous Motor <i>R. Hedjar</i> KSA	
16:20-16:40	Marquardt Algorithm Adaptive Filtering for Noise Cancelling <i>A. Bacha, A. Jemmi, L. Khrijj</i> Tunisia/KSA/Oman	A system for controlling Remote devices through the Internet, SMS and Telephone Network <i>A. Al-Omary</i> Bahrain	Distributed Generation: Benefits and Challenges <i>E.F. El-Saadany, H. H. Zeineldin and A.H. Al-Badi</i> Canada/Oman	Brushless DC Motor Synthesis for Zero Torque Ripple <i>T. Izhar and P. D. Evans</i> Pakistan/UK	

Room #1: Lecture Theater #1
Room #2: Exhibition Hall, 1st floor
Room #3: Conference Hall
Room #4: Meeting Room, Students' Affairs (opposite to conference hall entrance)



Tuesday February 20, 2007	Activity			
	09:00-10:00	KEYNOTE ADDRESS #2 (Conference Hall) "Electricity Reform in Oman – A Progress Report On 2 Years" (By Mr. John Cuneen)		
	10:00-11:00	KEYNOTE ADDRESS #5 (Conference Hall) "Research Questions on the Way Towards the Internet of Things" (By Prof. Otto Spaniol)		
	11:00-11:30	COFFEE BREAK		
		Room #1: Session 9 Wireless Communication	Room #2: Session 10 Computer Applications	Room #3: Session 11 Renewable Energy
11:30-11:50	Invited Paper Wireless Local Area Network For Low Spectrum Signal: Application at the Medicine Area with a WiFi Demonstrator; <i>D. Magnon</i> France	Searching for Arabic-Based E-Learning Web Services: An Approach Towards Using Synonyms & Derivatives <i>M. Al-Maimani, A. Al-Naamany, and O. Spaniol</i> Oman/Germany	Estimation of Country-Wide Wind Power Generation Based on Meteorological Data <i>T. Bessenyei</i> Hungary	Invited Talk Intelligent Techniques for Biomedical Applications <i>M. El-Sharkawi</i> USA
11:50-12:10		Design and Analysis of a Newly Innovated Set of Binary Code-Words of Unitary Hamming Distance <i>A. Ahmad and A. Al-Maashari</i> Oman	Impact of Photovoltaic Power Generation on Technical Losses <i>M. Bouzguenda, A. Tami, J. Al-Khalaf, B. Younis, A. Ferrah, and S.d Al-Hosni</i> Oman	
12:10-12:30	Cyclic Cancellation Coding for OFDM over a Multi-Path Rayleigh Fading Channels <i>A. S. Alaraimi and T. Hashimoto</i> Japan	Design of an Efficient and Less Memory Required Algorithmic Procedure for Commuting Gray Codes <i>A. Ahmad and M. M. Bait Suwailam,</i> Oman	Study and Modelling of PV Arrays Built with Non-Equivalent Units <i>A. Gastli and H. Bourdoucen</i> Oman	
12:30-12:50	DS-CDMA MAI-Cancellation Using Hysteretic Hopfield Neural Networks <i>E. A. Soujeri</i> Oman		A Novel Photovoltaic On-Line Search Algorithm for Maximum Energy Utilization <i>I. H. Altas and A. M. Sharaf</i> Turkey/Canada	
13:00-14:00	LUNCH (Faculty Club)			
	Room #1: Session 13 Electronic Devices I	Room #2: Session 14 Hardware Algorithms and Cellular Networks	Room #3: Session 15 Power Systems Operation - II	Room #4: Session 16 Modeling and Simulation in Power Engineering
14:00-14:20	Characteristics of a Tunnel Diode Oscillator at Different Temperatures <i>S. Al-Harbi And A. Sellai</i> Oman	Maximum Likelihood Trellis Decoding of BCH Codes in 2D Product Structures <i>L. Kaya and M. Al-Qudab</i> UAE	Transmission Pricing in the Restructured Electricity Market <i>M. N. Omara, K. S. H. Al-Romaimi, and R. S. Al-Abri</i> Oman	Modeling of Stray-Current Corrosion in ESP Well Casings and Adjacent Cathodically Protected Pipelines <i>H. Al-Mandhary, I.A. Metwally, Z. Nadir, A. Gastli and A. A. Magrasbi</i> Oman
14:20-14:40	Diffuse Reluctance Spectroscopy (DRS) Software Development <i>R. Al-Shoibi, F. S. Gard, A. Sellai</i> Oman	Integrating Industry CAE Tools and VHDL Into Digital Systems Design Courses <i>A. Benzekeri and K. Meghriche</i> Algeria	Operation & Control of Oman Grid in Regulated Environment <i>T. M. S. Al-Khusaibi and A. K. De Bbowmick</i> Oman	Safe Separation Distance Between 132KV Power Lines and Nearby Metallic Conductors <i>A. H. Al-Badi and E.F. EL-Saadany</i> Canada
14:40-15:00	Investigation of Semiconductor – Electrolyte Solar Cells Based Cds And Cus2 <i>N.A. Bak</i> Oman	Overview on Cooperation in Cellular Wireless Networks <i>A. AlNaamany, J. Jervase, H. Bourdoucen, and M. Teirab,</i> Oman	Micro-Grid Operation of Distributed Generation: Benefits and Challenges <i>E. F. El-Saadany, H. H. Zeineldin, and M. M. A. Salama,</i> Canada	Transformer Thermal Modelling and Simulation <i>A. Elmoudi, M. Lehtonen</i> Finland
15:00-15:20	COFFEE BREAK			

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Tuesday February 20, 2007	Time	Activity			
		Room #1: Session 17 Optimization and Measurement	Room #2: Session 18 Routing Protocols	Room #3: Session 19 Power Systems Control and Operation	Room #4: Session 20
	15:20-15:40	A Novel System Based on Particle Swarm Optimization and Support Vector Machine for the Estimation of Biophysical Parameters from Remote Sensing Images <i>Y.b Bazji and F. Melgani</i> KSA/Italy	Monitoring Topological Properties of Buckminster-Fullerenes (C60) Structure: A Model for Computer Networks <i>M. A.Kadampur, A. Mangalampalli</i> Oman/India	Design of PID-Swarm Load Frequency Controller of Interconnected Power System <i>B. S. Al-Omari and A. S. Al-Hinai</i> Oman	CANCELLED
	15:40-16:00	Level Crossing Rate and Average Fade Duration Calculation Schemes Based on Tetra Recent Measurements <i>F. D. Alotaibi and A. A. Ali</i> KSA/Canada	An Energy Aware Multi-path Routing Algorithm <i>S. Harous, M. Aldubai, and Q. Nasir</i> UAE	Tuning of SVC Stabilizers Over a Wide Range of Load Parameters Using Pole-Placement Technique <i>K. Ellithy</i> Qatar	
	16:00-16:20	Identification of Height of Freezing Using TRMM Satellite <i>K. Mubarak and A. Dawood</i> UAE	Revising Energy Efficiency of Directed Diffusion in Wireless Sensor Networks <i>H. Zeghilet</i> Algeria	Stability Considerations of Distributed Power Systems with Low Inertia Generators <i>E.S. Malbi, and S. M. Islam</i> Australia	
	16:20-16:40	Efficient Protection Scheme for Short Transmission Lines using Wi-Fi Technology <i>A. S. Ali, M. M. Eissa, M. E. Masoud and K. M. Abdel-Latif</i> Egypt		An Analytical Solution of Electric Power System with Static Compensator <i>S.M.Wasfy M.A.Ghazy W. Refaey and M.H. Saleh</i> Egypt	
19:00-22:00	BANQUET AT CROWN PLAZA HOTEL				

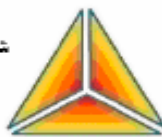
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Wednesday February 21, 2007	Time	Activity (Location)		
	09:00-10:00	KEYNOTE ADDRESS #4 (Conference Hall) "Electric Power System Resiliency: Engineering or Economics Problems" (By Prof. Ali Felliachi)		
10:00-11:00	KEYNOTE ADDRESS #3 (Conference Hall) "DSP Approaches towards Instrumental Measurement of Communication-System Quality" (By Prof. Ulrich Heute)			
11:00-11:30	COFFEE BREAK			
	Room #1: Session 21 Multimedia & Data Transmission	Room #2: Session 22 Algorithms, Computer Networks & Capacity Building	Room #3: Session 23 Power Quality	
11:30-11:50	Invited Talk IP Multi Media Subsystems <i>Jean Luc Scherer</i> Ericsson Oman	Invited Paper Recurrent Neural Networks <i>R. Boné</i> France	Power Quality Disturbances in Power Systems and Comparison of Developed Country Standard <i>S. A. Qureshi, F. Mahmood, Z. J. Paracha, S. A. R. Kashif</i> Pakistan	
11:50-12:10			Fuzzy Systems Applications for Identification of Harmonic Loads and their Contribution <i>S. A. Soliman and A. S. Al-Hinai</i> Egypt/Oman	
12:10-12:30	Dispersion and Intersymbol Interference (ISI) in Optical Fibers <i>J. J. Hamad-Ameen</i> Iraq	Contribution to Improving QoS in VoIP WLAN <i>Abmed AL Naamany, Hadj Bourdoucen, Wadbeb Al Menthari and Amna Al Simani</i> Oman	New Model for Three-Phase Converter Operating Under Supply Unbalanced Conditions <i>H. A. Kazem, B. Zabawi and D. Giaouris</i> UK	
12:30-12:50	Phase Retarders for Dense Wave Division Multiplexing <i>M.A. Habli</i> Oman	Re-Training Information Communication Technology Teachers to Raise Information Technology Level in Oman <i>A. Al-Hinai, H. Al-Alawi, A. Al Naamany, H. Bourdoucen, J. Jervase, and M. Elzain</i> Oman	3-D Propagation of Partial Discharge Acoustic Wave in a Model Transformer <i>S. A. Ashraf, B. G. Stewart, A. Ahmad, and D. J. M. Jababar</i> Oman/UK	
13:00-14:00	LUNCH (Faculty Club)			
	Room #1: Session 24 Electronic Devices II	Room #2: Session 25 Modeling and Computational Methods	Room #3: Session 26 Biomedical Applications	
14:00-14:20	New Analysis to Measure the Capacitance and Conductance of MOS Structures <i>W. F. Mohamad and L. S. Ali</i> Jordan/Iraq	Automatic Computation of Parameter in a Fast Level Set Method <i>L. Paulbac, J. Olivier and J. J. Rousselle</i> France	Telemetry Acquisition System to Transmit Physiological Signals <i>M. Moullesseboul and D. Magnon</i> France	
14:20-14:40	Memorization Behaviors of Different Mios Structures; <i>W. F. Mohamad and L. S. Ali</i> Jordan/Iraq	On Optimal Approximation of High Order Linear Interval Systems by Low Order Interval Models <i>O. Ismail</i> KSA	Power Management for Telemetry Acquisition Physiological Signal Sensor <i>M. Moullesseboul and D. Magnon</i> France	
14:40-15:00	Development of a New Electronic Phase Shifter -Application for Phased Array <i>J. Billoué, D. Magnon</i> France			
15:00-15:30	CLOSING SESSION			
16:00-19:00	SITE SEEING TOUR IN MUSCAT			

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