

Not all the papers in this list are included in the conference proceedings

Track	Seq	Title	Authors with affiliation and country
Communications and Networking	1	Simulation of Doubly Selective Fading Channels Using Autoregressive Modeling and Optimum Receiver Design	Shehab Tawalbeh (Jordan University of Science and Technology, Jordan); Mohammad M. Banat (Jordan University of Science and Technology, Jordan)
	2	Multiband CPW-Fed Rectangular Ring Microstrip Antenna Design for Wireless Communications	Emad Shehab Ahmed (University of Technology, Iraq)
	3	Scattering by PEMC elliptic cylinder loaded by metamaterial coating	Abdulkadir Hamid (University of Sharjah, UAE)
	4	Study of Power Line Communication System Using OFDM Under the Effect of Fading and Impulsive Noise with Diversity Reception	Mahbubur Munshi (Bangladesh University of Professionals/MIST, Bangladesh)
	5	Misdirection Attack Detection in Link-State Routing Protocols	Rushdi Hamamreh (Al-Quds University, Palestine)
	6	Design and Analysis of Compact Unequal-Split Wilkinson Power Divider Using Non-Uniform Transmission Lines	Derar Hawatmeh (Jordan University of Science and Technology, Jordan); Nihad I Dib (Jordan University of Science and Technology, Jordan); Khair Al Shamaileh (Waseela for Integrated Telecommunications Solutions, Jordan)
	7	Design of Linear and Circular Antenna Arrays Using Biogeography Based Optimization	Ashraf Sharaqa (Jordan University of Science and Technology, Jordan); Nihad I Dib (Jordan University of Science and Technology, Jordan)
	8	Subspace Compressive Sensing for Beamformed Cooperative Wireless Sensor Networks	Jaleel Baig Mughal (Staffordshire University, United Kingdom); Khawza I Ahmed (Staffordshire University, United Kingdom); Abdel hamid Soliman (Staffordshire University, United Kingdom); Mohammad N Patwary (Staffordshire University, Stafford, United Kingdom)
	9	All-optical High Speed Logic Gates Using SOA	Mahdi Sahafi (University of Tabriz, Iran); Ali Rostami (Tabriz University, Iran); Ali Sahafi (University of Tabriz, Iran)
	10	A new field in classifying algorithms for content awareness	Radu Miruta (Polytechnic University of Bucharest, Romania)
	11	A Channels Reuse Protocol for WDM Networks	Peristera Baziana (National Technical University of Athens, Greece); Ioannis Pountourakis (National Technical University of Athens, Greece)
	12	Bandwidth Exploitation with Propagation Delay Analysis in WDM Networks	Peristera Baziana (National Technical University of Athens, Greece); Ioannis Pountourakis (National Technical University of Athens, Greece)
	13	SANA: A Service-Aware Naming Architecture for Future Internet	Nahla Abid (Orange Labs, France); Philippe Bertin (Orange Labs, France); Jean-Marie Bonnin (Telecom Bretagne, France)
	14	Study of chaotic behavior in a nonlinear Piezoelectric resonator	Messai Abderraouf (University of Constantine, Algeria); Menacer Ouassim (University of Constantine, Algeria); Aris Skander (University of Constantine, Algeria); Mokhtari Hatem (Constantine University, Algeria); Malek Benslama (University of Mentouri, Algeria)
	15	Overview of Implementation Constraints for Flexible and Intelligent Hybrid Networks	Kira A. Kastell (Fachhochschule Frankfurt am Main - University of Applied Sciences, Germany)
	16	On the Effect of Nodes Density on the Performance of the LAR-1P Route Discovery Algorithm	Hussein Ismail Al-Bahadili (Petra University, Jordan); Ali Maqousi (University of Petra, Jordan)
Computers and Electronics	1	Compression of biomedical signals ECG and EEG	Malika Kedir-Talha (University of Sciences and Technology Houari Boumediene (USTHB), Algeria)
	2	Treatment of cardiac signal for a modeling by RBF	Saliha Ould-Slimane (University of Sciences and Technology Houari Boumediene, Algeria)

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	3	Universal Soft Processor with FPGA Implementation	Islam Almasri (King Abdullah University of Science and Technology, Jordan); Gheith A. Abandah (The University of Jordan, Jordan); Ali Shhadeh (The University of Jordan, Jordan); Anas Shahrour (Masdar Institute of Science and Technology, Jordan)
	4	Efficient DELOTS for Low Leakage Current at Nano-Scale Transistor	Abdoul Rjoub (Jordan University of Science and Technology, Jordan); Shihab Ahmed Khattab (Jordan University of Science and Technology, UAE); Hassan Almanasrah (Jordan University of Science and Technology, Jordan)
	5	Efficient IIR Wavelet Filter Banks with Approximate Linear-phase in Pass-band	Jassim Abdul-Jabbar (University of Mosul, Iraq); Rasha Waleed (University of Mosul, Iraq)
	6	Implementation of the CA-CFAR Algorithm for Pulsed-Doppler Radar on a GPU Architecture	Chris Venter (Council for Scientific and Industrial Research, South Africa); Hans Grobler (University of Pretoria, South Africa);Khalid AlMalki (King Abdulaziz City for Science and Technology, Saudi Arabia)
	7	An Optimal Multi-Processor Allocation Algorithm for High Performance GPU Accelerators	Yaser Jararweh (Jordan University of Science and Technology, Jordan); Salim Hariri (University of Arizona, USA); Shadi AlZubi (Brunel University, United Kingdom)
	8	Simulink-based Hardware/Software Trade-off Analysis Techniques	Parinaz Sayyah (Politecnico di Torino, Italy); Shahzad Ahmad Butt (Politecnico di Torino, Italy); Luciano Lavagno (Politecnico di Torino, Italy)
Control Systems	1	Robustness Evaluation of Vector Control of Induction Motor fed by SVM Matrix Converter	Dendouga Abdelhakim (University of Batna, Algeria); R. Abdessemed (University of Batna, Algeria); Megherbi (University of Biskra, Algeria); Najib Essounbouli (University of Reims Champagne-Ardenne, France)
	2	Application Of Fuzzy Variable Structure Approach Of Ben Ghalia To Reduce Chattering In The Field-Oriented Control Process Of An Induction Motor	Abdenour Yahia (University of Science and Technology Houari Boumediene (USTHB), France)
	3	Real-Time Fuzzy Control of a Three-Phase Phase-Controlled Rectifier Operating in Discontinuous Conduction Mode	Hadi Kanaan (Saint-Joseph University, Lebanon); Geoffrey Khalil (Saint-Joseph University, Lebanon); Kamal Geagea (Saint-Joseph University, Lebanon); Simon Abourida (Opal-RT Technologies, Canada)
	4	Accurate 3D Position Control of Articulated Manipulators	Rami A. Maher (Isra University Faculty of Engineering, Jordan)
	5	Smooth Variable Structure Filter for Pneumatic System Identification	Mohammad Al-Shabi (Philadelphia University, Jordan); Ashraf Saleem (Philadelphia University, Jordan); Tarek A. Tutunji(Philadelphia University, Jordan)
Electrical Power	1	Probabilistic Approach in Evaluation of Backflashover in Lushan-Deilaman 230KV Double Circuit TL	Saeed Mohajer Yami (University of Tehran, Iran); Amir Shayegani Akmal (University of Tehran, Iran); Amin Mohseni(University of Tehran, Iran); Alireza Majzoobi (University of Tehran, Iran)
	2	Optimal Allocation of DG Regarding to Power System Security via DE Technique	Mohsen Rezaie Estabragh (Shahid Bahonar University of Kerman, Iran); Mohsen Mohammadian (Shahid Bahonar University of Technology, Iran)
	3	Design of optimized microstructure thin film photovoltaic cell	Jony Sarker (Bangladesh University of Engineering and Technology, Bangladesh)
	4	Comparative study between two types of eddy	Nouicer Abdelmadjid (To be entered later, Algeria)
	5	Voltage Flicker Estimation Using ESPRIT-Based Method	Eyad A. Feilat (Sultan Qaboos University, Oman)
	6	Load Models Studies for Under-Frequency Load Shedding Scheme of Malaysia Power System Network	A. B. Halim Abu Bakar (University of Malaya, Malaysia); Hazlie Mokhlis (Electrical Engineering Department, Malaysia); Nor Azman Atib (Tenaga Nasional Berhad, Malaysia)
	7	A Single-phase Shunt Active Power Filter Employing Bidirectional Power Switches with Safe Commutation Technique	Nor Farahaida Abdul Rahman (Universiti Teknologi MARA, Malaysia); Siti Zaliha Mohammad Noor (Universiti Teknologi Mara, Malaysia)

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8	Computation of Static and Dynamic Axial and Radial Forces on Power Transformer Windings due to Inrush and Short Circuit Currents	Jawad Faiz (University of Tehran, Iran); Bashir Mahdi Ebrahimi (University of Tehran, Iran); Wejdan Abu-Elhaija (Princess Sumaya University For Technology, Jordan)
9	Probable Power Production in Optimally Matched Wind Power Systems	Mohamed EL-Shimy (Ain Shams University, Egypt)
10	Optimal Tuning of OLTC and RPCE to Improve Power System Voltage Stability based on Ant colony	Mohsen Mohammadian (Shahid Bahonar University of Technology, Iran)
11	Real Time Dynamic State Estimation for Power System	A Thabet (Ecole Nationale des Ingénieurs de Gabés, Tunisia)
12	Electricity Sector Reform in Africa: Convergence and Diversity of Approaches	E Chikuni (University of KwaZulu Natal, South Africa)
13	Utilizing the Particle Swarm Optimization Method to Design a Supplementary SSR Damping Controller for STATCOM	Maghsood Mokhtari (Urmia University, Iran); Dariush Nazarpour (Orumiye, Iran); Javad Khazaie (Electrical Engineering Department, Urmia University, Iran)
14	Design and Implementation of Stand-alone Residential PV System	Mazen Abdel-Salam (Assiut University, Egypt); Ahmed El-kousy (Cairo University, Egypt); Adel Ahmed (Assiut University, Egypt); Khairy Sayed (Sohag University, Egypt); Mahmoud Amery (Assiut University, Egypt); Mohamed Swify (Assiut University, Egypt)
15	A Solar-Wind Hybrid Power system for Irrigation in Toshka Area	Mazen Abdel-Salam (Assiut University, Egypt); Adel Ahmed (Assiut University, Egypt); Hamdy Ziedan (Assiut University, Egypt); Khairy Sayed (Sohag University, Egypt); Mahmoud Amery (Assiut University, Egypt); Mohamed Swify (Assiut University, Egypt)
16	Direct Power Control of DFIG based on a 3-Level Flying Capacitor Multi-Level Inverter	Amr Abdin (Faculty of Engineering - Ain Shams University, Egypt); Mostafa Ibrahim Marei (Ain Shams University, Egypt)
17	Reconfiguration for Loss Reduction of Distribution Systems Using Selective Particle Swarm Optimization	Tamer Khalil (Canal Company for Electricity Distribution, Egypt); Alexander Gorpnich (Pryazovskyi State Technical University, Ukraine)
18	Economics-Based Transmission Expansion Planning In Restructured Power Systems Using Decimal Codification Genetic Algorithm	Vahid Asadzadeh (MAPNA Group (MD3), Iran); Masoud Aliakbar Golkar (K. N. TOOSI University of Technology, Iran); S. Masoud Moghaddas-Tafreshi (K. N. TOOSI University of Technology, Iran)
19	Evaluation of Current Transformer Performance in the Presence of Remnant Flux and Harmonics	Hussam Mostafa (Suez Canal University - Faculty of Industrial Education, Egypt); Ahmed Shalltoot (EGEMAC CO., Egypt); Hosam Youssef (Cairo University - Faculty of Engineering, Egypt)
20	Fast and Precise Method of Contingency Ranking in Modern Power System	Zakir Hussain (KK-electronic a/s, Denmark); Zhe Chen (Aalborg University, Denmark); Paul Thøgersen (KK-electronic a/s, Denmark)
21	Modern Technical Solution for Increase of Maintenance and Reliability of Underground Power Cables by Corrosion Control of Metallic Shields	Iosif Lingvay (INCDIE ICPE CA, Romania); Cristina Stancu (INCDIE ICPE CA, Romania); Carmen Lingvay (INCDIE ICPE CA, Romania)
22	A Unified Unconditionally Stable Split-step FDTD Algorithm for Modeling General Dispersive Electromagnetic Applications	Omar Ramadan (Eastern Mediterranean University, Turkey)
23	Evaluation of Electrically Stressed Composite Insulators Contaminated by Dry and Wet Sand	Mohamad Al-Zoubi (Yarmok University, Jordan)

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	24	Stochastic Simulation of a Power Generation Air Joint	Osama M Al-Hababeh (The University of Jordan, Jordan); Daryush Aidun (Clarkson University, USA); Pier Marzocca (Clarkson University, USA)
Intelligent Systems	1	Supervised texture segmentation: a comparative study	Omar Al-Kadi (University of Jordan, Jordan)
	2	A Statistical Approach for Estimating User Satisfaction in Spoken Human-Machine Interaction	Alexander Schmitt (University of Ulm, Germany)
	3	Intelligent Control of Glucose Concentration Based on an Implantable Insulin Delivery System for Type I Diabetes	Mohammad Jaradat (JUST, Jordan); Yousef Sardahi (Jordan University of Science and Technology, Jordan); Lina Al Ebbini (JUST, Jordan); Maysa Khaleel (JUST, Jordan)
	4	Age Classification by Use of RBF Neural Networks	Sara Mardani-Samani (Zarghan Islamic Azad University, Iran)
	5	Explanation Architecture for Companion Systems	Florian Nothdurft (Ulm University, Germany); Wolfgang Minker (University of Ulm, Germany)
	6	Event Triggering Assessment for Cell-DEVS Wildfire Spread Simulation Case	Youcef Dahmani (University Ibn Khaldoun Tiaret Algeria, Algeria); Maamar El-Amine Hamri (LSIS, Algeria)
	7	Training Set Selection Using Entropy Based Distance	Tomasz Kajdanowicz (Wroclaw University of Technology, Poland); Slawomir Plamowski (Wroclaw University of Technology, Greece); Przemyslaw Kazienko (Wroclaw University of Technology, Poland)
	8	An Effective Hybrid Thresholding Technique for Degraded Historical Documents Images	Mohamed Zayed (University of Sciences and Technologies Houari-Boumediene Algiers, Algeria)
	9	Designing game playing behaviour for AI players	Hanno Hildmann (Etisalat BT Innovation Centre, UAE)
	10	Assistance and Supervisory Control of Operators in Complex Human-Process-Interaction	Dirk Söffker (University Duisburg-Essen, Germany); Gregor Flesch (University of Duisburg-Essen, Germany); Xingguang Fu (University of Duisburg-Essen, Germany); Andreas Hasselberg (German Aerospace Center (DLR), Germany); Marcel Langer (University of Duisburg-Essen, Germany)
	11	A knowledge-based system for measuring the quality of the distribution of salami slices on pizza crusts	Mohammad Mashi (Tu-ilmenau, Germany); Christoph Ament (University of Ilmenau, Germany)
	12	A Short Survey on Home-based Technologies for Detecting Behavioural Abnormalities and Cognitive Decline in Elderly People	Nidal Albeiruti (University of Glamorgan, United Kingdom); Khalid Al-Begain (University of Glamorgan, United Kingdom)
	13	The srBPA Ontology: A Formal Representation of the Riva-based Business Process Architecture	Rana Yousef (The University of Jordan, Jordan); Mohammed Odeh (Leader of Software Engineering Research Group, United Kingdom)
Internet Science	1	Tactile Web Navigator Device for Blind and Visually Impaired People	Alaeldin Ahmed (University of Khartoum, Sudan); Mustafa Yasin (University of Khartoum, Sudan); Sharief Babiker (University of Khartoum, Sudan)
	2	Novice User Perception of e-Services	Ann Nosseir (Institute of National Planning, British University in Egypt, Egypt); Sotirios Terzis (The University of Strathclyde, United Kingdom)
IT Applications and Services	1	E-government in Jordan: Strengths, Weakness, Opportunities, and Challenges	Tamara Almarabeh (The University of Jordan, Jordan)
	2	Improving Cardiac Patient Flow Based On Complex Event Processing	Aladdin Baarah (University Of Ottawa, Canada); Alain Mouttham (University of Ottawa, Canada); Liam Peyton (University of Ottawa, Canada)
	3	Proposed novel solution to improve medication adherence for cardiac patients	Islam Qudah (University of Technology Sydney, Australia); Peter Leijdekkers (University of Technology, Sydney, Australia); Valérie Carole Gay (University of Technology Sydney, Australia)

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	4	A simplified Method for Off-Line Track Matching for Fleet Management	Mahmoud Alnaanah (Al-Hussein Bin Talal University, Jordan); Ahmad Aljaafreh (Tafila Technical University, Jordan)
	5	Users' Classification and Usage-Pattern Identification in Academic Social Networks	Omar Almousa (Al-Balqa Applied University, Jordan)
	6	A Generic Model for Universal Data Storage and Conversion	Andreas Unterweger (Salzburg University of Applied Sciences, Austria); Bernadette Himmelbauer (Salzburg University of Applied Sciences, Austria); Simon Kranzer (Salzburg University of Applied Sciences, Austria); Peter Ott (Salzburg University of Applied Sciences, Austria); Robert Merz (Salzburg University of Applied Sciences, Austria); Gerhard Jöchtl (Salzburg University of Applied Sciences, Austria)
	7	Ubiquitous GPS Vehicle Tracking and Management System	Iman ALMomani (The University of Jordan, Jordan); Nour Alkhalil (The University of Jordan, Jordan); Enas Ahmad (The University of Jordan, Jordan); Rania Jodeh (The University of Jordan, Jordan)
	8	Mobile phone-based health data acquisition system using Bluetooth technology	Majid A. Al-Tae (The University of Jordan, Jordan); Nadine Jaradat (University of Jordan, Jordan); Dima Abu Ali (The University of Jordan, Jordan)
Mechatronics	1	Design and Simulation of a Novel Capillary-type Thermal Mass Flow Meter	Reza Pakdaman Zangabad (Sabanci University, Turkey); Kasra Pourang (University of Tabriz, Iran); Mina Heydarlou (University of Tabriz, Iran); Sina Pourang (University of Tabriz, Iran); Manouchehr Bahrami (Tabriz University, Iran)
	2	Preventing Human Accident from power Press Machine Using PIR sensor	Ramesh S (Panimalar Institute of Technology, Anna University, India); Vignesh D (Panimalar Institute of Technology, Anna University, India); S Vinoth Kumar (Panimalar Institute of Technology, Anna University, India); M Manikandan (Panimalar Institute of Technology, Anna University, India)
	3	Human Guidance and Supervision of a Manufacturing System for Semi-Automated Production	Marcel Langer (University of Duisburg-Essen, Germany); Dirk Söffker (University Duisburg-Essen, Germany)
Security	1	Privacy and Security for an RFID Based Access Control System RFID Based Access Control System without Back-end Database	Malek Al-Zewairi (University of Jordan, Jordan); Ja'far Alqatawna (University of Jordan, Jordan); Omar Al-Kadi (University of Jordan, Jordan)
	2	Permutated Recovering Unused Quantum Bits	Abdulla Abuayash (Central Bank of Jordan, Jordan); Naim Ajlouni (Al-Balqa University, Jordan)
	3	Automated Generation of Benchmark Data for Keystroke Dynamics Based Authentication Schemes	Tashreen Jamaluddin (British University in Egypt, Egypt); Kenneth Revett (British University of Egypt, Egypt); Ali Aldaoud (Alzaytoonah University, Jordan)