

Track	Title	Authors with affiliation and country
Communications and Networking	Simulation of Doubly Selective Fading Channels Using Autoregressive Modeling and Optimum Receiver Design	Shehab Mohammad Tawalbeh (Jordan University of Science and Technology, Jordan); Mohammad M. Banat (Jordan University of Science and Technology, Jordan)
	Multiband CPW-Fed Rectangular Ring Microstrip Antenna Design for Wireless Communications	Emad Shehab Ahmed (University of Technology, Iraq)
	Scattering by PEMC Elliptic Cylinder Loaded by Metamaterial Coating	Abdul-Kadir Hamid (University of Sharjah, UAE)
	Design and Analysis of Compact Unequal-Split Wilkinson Power Divider Using Non-Uniform Transmission Lines	Derar Hawatmeh (Jordan University of Science and Technology, Jordan); Khair Al Shamaileh (Waseela for Integrated Telecommunications Solutions, Jordan); Nihad I Dib (Jordan University of Science and Technology, Jordan)
	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)
	New Packet Fields for Content Aware Classification	Radu Miruta (Polytechnic University of Bucharest, Romania); Cornelia-Ionela Badoi (Politehnica University of Bucharest, Romania); Eugen Borcoci (University POLITEHNICA of Bucharest (CCSRST), Romania)
	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)
	Study of Chaotic Behavior in a Nonlinear Piezoelectric Resonator	Messai Abderraouf (University of Constantine, Algeria); Menacer Ouassim (University of Constantine, Algeria); Maamri Faouzia (University of Khenchla, Algeria); Aris Skander (University of Constantine, Algeria); Mokhtari Hatem (Constantine University, Algeria); Malek Benslama (University of Mentouri, Algeria)
	Overview of Implementation Constraints for Flexible and Intelligent Hybrid Networks	Kira A. Kastell (Fachhochschule Frankfurt am Main - University of Applied Sciences, Germany); Thomas-Alexandros Daskalou (Fachhochschule Frankfurt am Main - University of Applied Sciences, Germany); Erick González-Rodríguez (Technische Universität Darmstadt, Germany); Rolf Jakoby (Institute of Microwave Engineering, Technical University of Darmstadt, Germany)
	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	Universal ISA Simulator with Soft Processor FPGA Implementation	Islam Almasri (King Abdullah University of Science and Technology, Jordan); Gheith A. Abandah (The University of Jordan, Jordan); Ali Shshadeh (The University of Jordan, Jordan); Anas Shahrour (Masdar Institute of Science and Technology, Jordan)
	An Efficient DELOTS Algorithm for Low Leakage Current at Nano-Scale Transistor	Abdoul Rjoub (Jordan University of Science and Technology, Jordan); Shihab Ahmed Kattab (Baker Hughes Incorporated, UAE); Hassan Almanasrah (Jordan University of Science and Technology, Jordan)
	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)
	Implementation of the CA-CFAR Algorithm for Pulsed-Doppler Radar on a GPU Architecture	Chris J Venter (Council for Scientific and Industrial Research, South Africa); Hans Grobler (University of Pretoria, South Africa); Khalid Ali AlMalki (King Abdulaziz City for Science and Technology, Saudi Arabia)

	An Optimal Multi-Processor Allocation Algorithm for High Performance GPU Accelerators	Yaser Jararweh (Jordan University of Science and Technology, Jordan); Shadi AlZubi (Jordan University of Science and Technology, Jordan); Salim Hariri (University of Arizona, USA)
	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	Accurate 3D Position Control of Articulated Manipulators	Rami A. Maher (Isra University Faculty of Engineering, Jordan)
	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	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)
	Voltage Flicker Estimation Using ESPRIT-Based Method	Eyad A. Feilat (Sultan Qaboos University, Oman)
	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-Elhajja (Princess Sumaya University For Technology, Jordan)
	Optimal Tuning of OLTC and RPCE to Improve Power System Voltage Stability Based on Ant Colony	Mohsen Mohammadian (Shahid Bahonar University of Technology, Iran)
	Electricity Sector Reform in Africa: Convergence and Diversity of Approaches	E Chikuni (University of KwaZulu Natal, South Africa); Nelson Ijumba (University of Kwazulu-Natal, South Africa); Akshay Saha (University of KwaZulu Natal, South Africa); Leon Chetty (University of KwaZulu Natal, South Africa); Ogbonnaya Inya Okoro (Michael Okpara University of Agriculture, Umudike, Nigeria)
	Design and Implementation of Stand-alone Residential PV System	Mazen Abdel-Salam (Assiut University, Egypt); Adel Ahmed (Assiut University, Egypt); Mahmoud Amery (Assiut University, Egypt); Mohamed Swify (Assiut University, Egypt); Ahmed El-kousy (Cairo University, Egypt); Khairy Sayed (Sohag University, Egypt)
	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)
	Economics-Based Transmission Expansion Planning in Restructured Power Systems Using Decimal Codification Genetic Algorithm	Vahid Asadzadeh (Shahrood University of Technology, Iran); Masoud Aliakbar Golkar (K. N. TOOSI University of Technology, Iran); S. Masoud Moghaddas-Tafreshi (K. N. TOOSI University of Technology, Iran)
	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)
	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)
	Evaluation of Electrically Stressed Composite Insulators Contaminated by Dry and Wet Sand	Mohamad Al-Zoubi (Yarmok University, Jordan)
	Stochastic Simulation of a Power Generation Air Joint	Osama M Al-Habahbeh (The University of Jordan, Jordan); Daryush Aidun (Clarkson University, USA); Pier Marzocca (Clarkson University, USA)
Intelligent Systems	Supervised Texture Segmentation: a Comparative Study	Omar Al-Kadi (University of Jordan, Jordan)
	A Statistical Approach for Estimating User Satisfaction in Spoken Human-Machine Interaction	Alexander Schmitt (University of Ulm, Germany); Benjamin Schatz (University of Ulm, Germany); Wolfgang Minker (University of Ulm, Germany)

	Intelligent Control of Glucose Concentration Based on an Implantable Insulin Delivery System for Type I Diabetes	Mohamed Al-Fandi (JUST, Jordan); Mohammad Jaradat (JUST, Jordan); Yousef Sardahi (Jordan University of Science and Technology, Jordan); Lina Al-Ebbini (JUST, Jordan); Maysa Khaleel (JUST, Jordan)
	Explanation Architecture for Companion Systems	Florian Nothdurft (Ulm University, Germany); Wolfgang Minker (University of Ulm, Germany)
	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)
	Designing Game Playing Behaviour for AI Players	Hanno Hildmann (Etisalat BT Innovation Centre, UAE); Malcolm Crowe (University of the West of Scotland, United Kingdom)
	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)
	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)
	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	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)
	Novice User Perception of e-Services: A Study in the Egyptian Public Sector	Ann Nosseir (Institute of National Planning, British University in Egypt, Egypt); Sotirios Terzis (The University of Strathclyde, United Kingdom)
IT Applications and Services	E-government in Jordan: Strengths, Weakness, Opportunities, and Challenges	Tamara Almarabeh (The University of Jordan, Jordan)
	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)
	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)
	Users' Classification and Usage-Pattern Identification in Academic Social Networks	Omar Almousa (Al-Balqa Applied University, Jordan)
	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)
	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)
	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	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	Privacy and Security for RFID Access Control Systems RFID Access Control Systems 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)
	Permutated Recovering Unused Quantum Bits	Abdulla Abuayash (Central Bank of Jordan, Jordan); Naim Ajlouni (Al-Balqa University, Jordan)