

#	Title	Presentation	Authors with affiliation and country
1570272213	PASSIOT: A Pareto-Optimal Multi-Objective Optimization Approach for Synthesis of Analog Circuits Using Sobol' Indices-based Engine	Oral (Lecture)	Taher Kourany (Center of Nanoelectronics and devices, American University in Cairo/Zewail City of Science and Technology, Cairo, Egypt); Maged Ghoneima (Mechatronics Department, Ain-Shams University, Cairo, Egypt); Emad Hegazi (Integrated Circuits Lab, Ain-Shams University, Cairo, Egypt); Yehea Ismail (Center of Nanoelectronics and devices, American University in Cairo/Zewail City of Science and Technology, Cairo, Egypt)
1570276994	A 24-mW 65-nm CMOS TI-Flash ADC for Multi-Standard Serial-Link Receivers	Oral (Lecture)	Khaled El-Gammal and Sameh A Ibrahim (Ain Shams University, Egypt)
1570280270	A Low-power High-speed Dynamic Comparator for SAR Analog to Digital Converters	Oral (Lecture)	Ata Khorami and Mohammad Sharifkhani (Sharif University of Technology, Iran)
1570280440	A Fast-Locking All-Digital Clock and Data Recovery Circuit Using Successive Approximation	Oral (Lecture)	Ahmed AbdelRahman and Sameh A Ibrahim (Ain Shams University, Egypt)
1570280685	Experimental Operation of Time-Mode Building Blocks Using A Time-Mode Switched-Delay Unit	Oral (Lecture)	Moataz Abdelfattah (McGill University & Integrated Microsystems Laboratory, Canada); Gordon Roberts (McGill University, Canada)
1570280758	A High Efficiency Straightforward Design and Verification Methodology for PLL Systems	Oral (Lecture)	Markus Scholl, Ye Zhang and Ralf Wunderlich (RWTH Aachen University, Germany); Stefan Heinen (RWTH Aachen, Germany)
1570280841	A Current Mode Time-of-Flight Pixel with 400 Klx Background Light Subtraction	Oral (Lecture)	Chandani Anand (Indian Institute of Technology Delhi, India); Vinod Jacob (NIT Calicut, India); Mukul Sarkar (Indian Institute of Technology, Delhi, India)
1570280871	Low-Power Bootstrapped Sample and Hold Circuit for Analog-to-Digital Converters	Oral (Lecture)	Tasnim Nazzal and Soliman Mahmoud (University of Sharjah, United Arab Emirates (UAE))
1570280918	A Fully-Synchronous Offset-Insensitive Level-Crossing Analog-to-Digital Converter	Oral (Lecture)	Nassim Ravanshad and Hamidreza Rezaee-Dehsorkh (Sadjad University of Technology, Iran); Reza Lotfi (Ferdowsi University of Mashhad, Iran)
1570280948	A Low Power High Resolution Time to Digital Converter for ADPLL Application	Oral (Lecture)	Hasan Molaei and Khosrow Hajsadeghi (Sharif University of Technology, Iran)
1570280984	A Low-Energy SAR-Based Capacitance-to-Digital Converter for Pressure Sensors: System Analysis, Design and Calibration	Oral (Lecture)	Ayman Hassan Ismail (Ain Shams University, Egypt); Muhammad El-Nafarawi (Ain Shams University & Si-Ware Systems Inc., Egypt)
1570281607	Practically Implemented Electronically Controlled CMOS Voltage Differencing Current Conveyor	Oral (Lecture)	Roman Sotner (Brno University of Technology, Faculty of Electrical Engineering and Communication, Czech Republic); Jan Jerabek (Brno University of Technology, Czech Republic); Roman Prokop (, Czech Republic); Vilem Kledrowetz and Josef Polak (Brno University of Technology, Czech Republic); Lukas Fucik (, Czech Republic); Tomas Dostal (College of Polytechnics Jihlava, Czech Republic)
1570283018	Linearization of VCO-Based ADCs Using Asynchronous Sigma-Delta Modulation	Oral (Lecture)	Vishnu Unnikrishnan (Linköping University, Sweden); Mark Vesterbacka (Linköping University, Sweden)
1570284603	Routability of Twisted Common-centroid Capacitor Array Under Signal Coupling Constraints	Oral (Lecture)	Gong Chen (Chengdu University of Information Technology, P.R. China); Bo Liu and Shigetoshi Nakatake (The University of Kitakyushu, Japan); Bo Yang (Design Algorithm Laboratory, Inc., Japan)
1570287840	A Chopper Capacitive Feedback Instrumentation Amplifier with Input Impedance Boosting Technique	Oral (Lecture)	Mohamed Saad (Mentor Graphics, Egypt); Mohammed El-Nozahi and Hani Ragai (Ain Shams University, Egypt)

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1570279251	A Nafion Coated Capacitive Humidity Sensor on a Flexible PET Substrate	Oral (Lecture)	Christos Sapsanis, Ulrich Buttner, Hesham Omran, Youssef Belmabkhout, Osama Shekha and Mohamed Eddaoudi (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Khaled N Salama (KAUST, Saudi Arabia)
1570279456	A 3D Model of Quadrupole Dielectrophoresis Levitation	Oral (Lecture)	Reda Mohamed (Helwan University & American University in Cairo, Egypt); Yehya Ghallab (Zewail City of Science and Technology, Egypt); Hamdy Abd elhamid (Zewail City University & American University in Cairo, Egypt); Yehea Ismail (American University in Cairo, USA); Mohamed-Tarek I El-Wakad (Hewlan University & Faculty of Engineering at Helwan, Egypt)
1570282868	PTT Based Continuous Time Non-invasive Blood Pressure System	Oral (Lecture)	Li Xiyan (Shanghai Jiao Tong University, P.R. China); Mohamed Atef (Assiut University & SJTU University, Egypt); Guoxing Wang (Shanghai Jiao Tong University, P.R. China); Yong Lian (Shanghai Jiao Tong University)
1570283670	A Sub 1 dB NF High Dynamic Range Low-input Impedance CMOS Amplifier	Oral (Lecture)	Mehrdad A. Ghanad (Ecole Polytechnique Fédérale de Lausanne, Switzerland); Catherine Dehollain (EPFL, Switzerland)
1570277765	A 0.2 nJ/bit QPSK Transmitter with Tuning for Process Variation for Biomedical Telemetry in the MedRadio Band of 401-457MHz	Oral (Lecture)	Abhiram Reddy Gundla (Colorado State University & Intel Corporation, USA); Tom Chen (Colorado State University & Dept. of Electrical & Computer Engineering, USA)
1570284894	Ultra Low Power ECG Acquisition Front-end with Enhanced Common Mode Rejection	Oral (Lecture)	Prathamesh Khatavkar and Sankaran Aniruddhan (Indian Institute of Technology Madras, India)
1570284949	A Power Optimized Switched-Capacitor Based Approach in Voltage-Controlled Cardiac Stimulation	Oral (Lecture)	Ali Esmailian, Iman Ghotbi and Omid Shoaie (University of Tehran, Iran)
1570284966	Restoring Function in Paralyzed Limbs Using EEG	Oral (Lecture)	Maha Diab, Zainab Hussain and Soliman Mahmoud (University of Sharjah, United Arab Emirates (UAE))
1570280830	LED Driver Performance Analysis for Joint Visible Light Communication and Illumination	Oral (Lecture)	Sylvain Haese (IETR-INSA Rennes, France); Lamjed Mtimet (IETR INSA, France); Maryline Hélard (INSA Rennes & IETR Institute of Electronics and Telecommunications of Rennes, France)
1570283262	A New Reconfigurable Mixerless Polar Transmitter for Multi-standard and SDR Applications	Oral (Lecture)	Suhas Illath Veetil (University of Calgary & iRadio Labs, Canada); Mohamed Helaoui (University of Calgary, Canada)
1570284551	Effect of Simultaneous Transmit and Receive Antennas on Cooperative Cognitive Radio Networks	Oral (Lecture)	Sangwoo Park, Ickho Song, Seungwon Lee and Jin-Hyun Ahn (Korea Advanced Institute of Science and Technology, Korea)
1570284929	Full-rate Switched Capacitor Multi-tap DFE for Long-Tail Post-cursor Cancellation	Oral (Lecture)	Nevin A. Jacob and Diego James (Amrita Vishwa Vidyapeetham University, India); Bibhu Datta Sahoo (University of Illinois at Urbana-Champaign, USA)
1570280852	Multi-objective Optimization of Planar 3PRR (Prismatic-Revolute-Revolute) Mechanism Using Genetic Algorithm	Oral (Lecture)	Abdur Rosyid, Bashar El-Khasawneh and Anas Alazzam (Khalifa University, United Arab Emirates (UAE))
1570283979	Trajectory Analysis of Endoscopic Capsule Images: A Feasibility Study	Oral (Lecture)	Yasmeen Abu-Kheil (Khalifa University, United Arab Emirates (UAE)); Marco Mura, Gastone Ciuti and Paolo Dario (Scuola Superiore Sant'Anna, Italy); Lakmal Seneviratne (KURI, United Arab Emirates (UAE)); Jorge Dias (Khalifa University, United Arab Emirates (UAE))

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1570284706	GPU Accelerated Coverage Path Planning Optimized for Accuracy in Robotic Inspection Applications	Oral (Lecture)	Randa Almadhoun and Tarek Taha (Khalifa University, United Arab Emirates (UAE)); Lakmal Seneviratne (KURI, United Arab Emirates (UAE)); Jorge Dias and Guowei Cai (Khalifa University, United Arab Emirates (UAE))
1570284730	Modeling and Simulation of Motion of a Quadcopter in a Light Wind	Oral (Lecture)	Hideaki Okazaki (Shonan Institute of Technology, Graduate School of Engineering, Japan)
1570284932	MRFT Based Identification of Pitch Channel of the Quadrotor	Oral (Lecture)	Mohamad Chehadeh (The Petroleum Institute, United Arab Emirates (UAE)); Igor Boiko (Petroleum Institute, United Arab Emirates (UAE))
1570284956	Autonomous Tracking of Oil and Gas Pipelines by an Unmanned Aerial Vehicle	Oral (Lecture)	Amit Shukla, Xiaoqian Huang and Hamad Karki (The Petroleum Institute, United Arab Emirates (UAE))
1570284982	Satellite Attitude Estimation in A Novel Operational Environment	Oral (Lecture)	Mohammad Alhulayil, Ahmad Bani Younes and James Daniel Turner (Khalifa University, United Arab Emirates (UAE))
1570286154	Site Inspection Drone: A Solution for Inspecting and Regulating Construction Sites	Oral (Lecture)	Reem Ashour, Tarek Taha, Yasmeen Abu-Kheil, Malak ElSalamouny and Maha Kadadha (Khalifa University, United Arab Emirates (UAE)); Kasturi Rangan (Khalifa University of Science Technology and Research, United Arab Emirates (UAE)); Jorge Dias (Khalifa University, United Arab Emirates (UAE)); Lakmal Seneviratne (KURI, United Arab Emirates (UAE)); Guowei Cai (Khalifa University, United Arab Emirates (UAE))
1570286546	A Novel High Order Sliding Mode Control of Magnetic Levitation System	Oral (Lecture)	Ankur Goel (National Institute of Technology, India); A Swarup (NIT Kurukshetra, India)
1570275079	A Survey on the Power and Robustness of FinFET SRAM	Oral (Lecture)	Mahmoud Darwich (University of Louisiana at Lafayette, USA); Ahmed Abdelgawad (Central Michigan University, USA); Magdy Bayoumi (University of Louisiana, USA)
1570279513	A Scalable Low-Area Delay-Based PUF for Altera FPGAs	Oral (Lecture)	Hend AlHajsalem, Mohammed Khalid and Mitra Mirhassani (University of Windsor, Canada)
1570279923	Thermal-Aware Floorplanning for NoC-Sprinting	Oral (Lecture)	Hui Zhu, Cong Hao and Takeshi Yoshimura (Waseda University, Japan)
1570279929	A Voltage-Scalable Zero-Delay-Overhead Scheme for Standby Power Reduction in Dynamic Register Files	Oral (Lecture)	Khawar Sarfraz (The Hong Kong University of Science and Technology, Hong Kong); Mansun Chan (HKUST, Hong Kong)
1570280035	FinFET MPSoC 32 Gb/s Transceivers: Custom ESD Protection and Verification	Oral (Lecture)	James Karp, Michael Hart and Mohammed Fakhruddin (Xilinx, Inc, USA); Vassili Kireev (Xilinx, USA); Larry Horwitz and Matthew Hogan (Mentor Graphics Corp., USA)
1570280346	Chipless RFID Tag for IoT Applications	Oral (Lecture)	Ayesha 'Habib, M. Ali Afzal, Haleema Sadia and Yasar Amin (UET Taxila, Pakistan); Hannu Tenhunen (University of Turku, Finland)
1570280745	Self-Timed Automatic Test Pattern Generation for Null Convention Logic	Oral (Lecture)	Nastaran Nemati (University of New South Wales, Canberra, Australia); Mark C Reed and Sri Parameswaran (University of New South Wales, Australia); Karl Fant (Theseus Logic Inc., USA)
1570280839	A 65nm ASIC Based 256 NIST Prime Field ECC Processor	Oral (Lecture)	Hamad Marzouqi (Khalifah University, United Arab Emirates (UAE)); Mahmoud Al-Qutayri (Khalifa University, United Arab Emirates (UAE)); Khaled Salah (Khalifa University of Science, Technology and Research (KUSTAR), United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE))

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1570280902	A 90 nm Leakage Control Transistor Based Clock Gating for Low Power Flip Flop Applications	Oral (Lecture)	Pritam Bhattacharjee (National Institute of Technology, Arunachal Pradesh, India); Alak Majumder (NIT Arunachal Pradesh, India); Tushar Dhabal Das (National Institute of Technology, Arunachal Pradesh, India)
1570281027	A Quantitative Performance Analysis of FinFET Based Multiplier Circuits	Oral (Lecture)	Santosh Koppa, Paromita Syam, Sruthi Nanduru and Eugene John (University of Texas at San Antonio, USA)
1570283849	Unified Data Authenticated Encryption for Vehicular Communication	Oral (Lecture)	Yi Wang (Institute for Infocomm Research, A*STAR); Jianfeng An (Northwestern Polytechnical University, P.R. China); Yajun Ha (National University of Singapore, Singapore)
1570284491	Look-Up Tables with Multiple Inputs for Secured-by-Design FPGAs	Oral (Lecture)	Ziyad Almohaimeed (University of Victoria & Qassim University, Canada); Mihai Sima (University of Victoria, Canada)
1570285706	SRAM Security and Vulnerabilities	Oral (Lecture)	Roghayeh Saeidi and Hossein Gharaee (ITRC, Iran)
1570286559	Design and Analysis of SRAM Cell in 4H-SiC	Oral (Lecture)	Hazem Elgabra, Aamenah Siddiqui and Shakti Singh (Khalifa University of Science Technology and Research, United Arab Emirates (UAE))
1570279307	A Compensation Method of a Drift on a Vibrating Sensor Due to an Air Density	Oral (Lecture)	Kohei Okamoto (Tokyo University of Science, Japan)
1570279832	Robust Speaker Identification Under Noisy Conditions Using Feature Compensation and Signal to Noise Ratio Estimation	Oral (Lecture)	Megan Frankle and Ravi Prakash Ramachandran (Rowan University, USA)
1570280164	Weighted Pole and Zero Sensitivity Minimization Subject to l_2 -Scaling Constraints for State-Space Digital Filters	Oral (Lecture)	Takao Hinamoto (Hiroshima University, Japan); Akimitsu Doi (Hiroshima Institute of Technology, Japan); Wu-Sheng Lu (University of Victoria, Canada)
1570280369	Algorithmic Foundations for Hardware Implementation of Scale-insensitive MSER Features	Oral (Lecture)	Andrzej S Sluzek (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE))
1570280596	Low Cost Luma Interpolation Filter for Motion Compensation in HEVC	Oral (Lecture)	Ahmed Diefy (Egypt Japan University of Science and Technology, Egypt); Ahmed Shalaby (Egypt Japan University for Science and Technology, Egypt); Mohammed Sayed (Egypt-Japan University of Science and Technology, Egypt)
1570280710	Blind Sparse Channel Identification Using Subspace-Based Algorithm	Oral (Lecture)	Nicthe Nataly Jiménez Castro Martínez (INAOE, Mexico); Alfonso Fernandez-Vazquez (National Polytechnic Institute, Mexico); Gordana Jovanovic Dolecek (INAOE, Mexico)
1570280829	A Variable Step Size Affine Projection Algorithm Based on the Principle of Orthogonality	Oral (Lecture)	Khuram Naveed, Bakhtiar Ali and Muhammad T Akhtar (COMSATS Institute of Information Technology, Pakistan)
1570280845	Vocal Separation Using Improved Robust Principal Component Analysis and Post-Processing	Oral (Lecture)	Tomohiro Watanabe, Takanori Fujisawa and Masaaki Ikehara (Keio University, Japan)
1570284713	Efficient Mixed-Signal Synapse Multipliers for Multi-Layer Feed-Forward Neural Networks	Oral (Lecture)	Bahar Youssefi, Mitra Mirhassani and Jonathan Wu (University of Windsor, Canada)
1570284946	Modal Analysis of the ℓ_0 -LMS and ℓ_0 -NLMS Algorithms	Oral (Lecture)	Abdullah Al-Shabli (Khalifa University, United Arab Emirates (UAE)); Luis Weruaga (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Shihab Jimaa (Khalifa University, United Arab Emirates (UAE))

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1570285970	A Robust Normalized Variable Tap-Length Normalized Fractional LMS Algorithm	Oral (Lecture)	Muhammad T Akhtar (COMSATS Institute of Information Technology, Pakistan); Shakeel Ahmed (Pakistan Institute of Engineering & Applied Sciences, Pakistan)
1570280969	Synthesis and Evaluation of SHA-1 Algorithm Using Altera SDK for OpenCL	Oral (Lecture)	Mohammed Khalid and Ian Janik (University of Windsor, Canada)
1570283853	Speed Up an X86 SAME Simulator Using Synthesizable SystemC Timing Models	Oral (Lecture)	Jianfeng An (Northwestern Polytechnical University, P.R. China); Yi Wang (Institute for Infocomm Research, A*STAR, Singapore)
1570284969	Tile-Based Modular Architecture for Accelerating Homomorphic Function Evaluation on FPGA	Oral (Lecture)	Mustafa Khairallah (Ain Shams University, Egypt); Maged Ghoneima (Ain Shams University & NVIDIA Corporation, Egypt)
1570287833	Zynq-based SoC Implementation of an Induction Machine Control Algorithm	Oral (Lecture)	Danyal Mohammadi, Luka Daoud, Nader Rafla and Said Ahmed-Zaid (Boise State University, USA)
1570280234	Facial Landmarks Detection Using 3D Constrained Local Model on Mesh Manifold	Oral (Lecture)	Marwa Chendeb (Khalifa University of Science, Technology & Research, United Arab Emirates, United Arab Emirates (UAE)); Naoufel Werghi and Claudio Tortorici (Khalifa University, United Arab Emirates (UAE)); Hassan Al-Muhairi (Khalifa University (KUSTAR), United Arab Emirates (UAE)); Marius Linguraru (Children's National Medical Center, USA)
1570280321	Face Recognition Using the Principal Components of the Scatter Matrix in the Frequency Domain	Oral (Lecture)	Taif Al Obaidi, George Atia and Wasfy Mikhael (University of Central Florida, USA)
1570280431	Real-Time Defects Detection System for Orange Citrus Fruits Using Multi-Spectral Imaging	Oral (Lecture)	Ahmed Medhat Abdelsalam (Polytechnique Montréal, Université de Montréal, Canada); Mohammed Sayed (Egypt-Japan University of Science and Technology, Egypt)
1570280454	Employing Vector Quantization Algorithm in A Transform Domain for Facial Recognition	Oral (Lecture)	Ahmed Aldhahab, Taif Al Obaidi and Wasfy Mikhael (University of Central Florida, USA)
1570280737	A Trapezoid Multiresolution CMOS Image Sensor for Traffic Monitoring	Oral (Lecture)	Bingxing Wu (University of Idaho, USA); Ismail Cevik (Istanbul Technical University, Turkey); Ahmed Abdel-Rahim and Suat Ay (University of Idaho, USA)
1570280806	Robust Fabric Defect Detection Algorithm Using Entropy Filtering and Minimum Error Thresholding	Oral (Lecture)	Mohammed Sayed (Egypt-Japan University of Science and Technology, Egypt)
1570280838	Single-frame Super-resolution Using Superpixel Based Dictionary	Oral (Lecture)	Taku Nakahara, Kazunori Uruma, Tomohiro Takahashi and Toshihiro Furukawa (Tokyo University of Science, Japan)
1570280885	Enhancing Automatic Polyp Detection Accuracy Using Fusion Techniques	Oral (Lecture)	Alaa El Khatib and Naoufel Werghi (Khalifa University, United Arab Emirates (UAE)); Hussain Al-Ahmad (Dean of Engineering and IT at the University of Dubai, United Arab Emirates (UAE))
1570280928	Image Noise Level Estimation by Searching for Smooth Patches with Discrete Cosine Transform	Oral (Lecture)	Hayato Katase (Keio University, Japan)
1570280959	Fast Region-Based DPM Object Detection for Autonomous Vehicles	Oral (Lecture)	Alaa Ali and Oladiran G. Olaleye (University of Louisiana at Lafayette, USA); Magdy Bayoumi (University of Louisiana, USA)
1570283538	Lane Departure Warning Tracking System Based on Score Mechanism	Oral (Lecture)	Magdy A. El-Moursy (Mentor Graphics Corporation & Electronics Research Institute, Egypt)
1570284884	Constant Throughput HEVC Core Transform Design	Oral (Lecture)	Subiman Chatterjee (IIT(BHU) Varanasi, India); Kishor Prabhakar Sarawadekar (Indian Institute of Technology, India)

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1570284901	Building a Surface Atlas of Hippocampal Subfields From High Resolution T2-weighted MRI Scans Using Landmark-free Surface Registration	Oral (Lecture)	Shan Cong (Purdue University, USA); Maher Rizkalla (Indiana University-Purdue University Indianapolis, USA); Paul Salama (Indiana University-Purdue University Indianapolis); Shannon Risacher, John West, Yu-Chien Wu, Liana Apostolova, Eileen Tallman, Andrew Saykin and Li Shen (Indiana University School of Medicine, USA)
1570285521	Real Time Algorithm for Efficient HCI Employing Features Obtained From MYO Sensor	Oral (Lecture)	Ehab H. El-Shazly (Kyushu University & EJUST & EAEA, Egypt); Moataz Abdelwahab (EJUST, Egypt); Rin-ichiro Taniguchi (Kyushu University, Japan)
1570286462	Content-Aware and Occupancy-Based Hybrid ARQ for Video Transmission	Oral (Lecture)	Husameldin Mukhtar (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Arafat Al-Dweik (Khalifa University, United Arab Emirates (UAE)); Mohammed Al-Mualla (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE))
1570286818	Depth Image Coding Algorithm Via the Colorization Based Image Coding	Oral (Lecture)	Kazunori Uruma (Tokyo University of Science, Japan); Katsumi Konishi (Kogakuin University, Japan); Tomohiro Takahashi and Toshihiro Furukawa (Tokyo University of Science, Japan)
1570280680	Error Analysis and Reliability Metrics for Software in Safety Critical Systems	Oral (Lecture)	Carla Purdy, Jonathan Lockhart and Philip Wilsey (University of Cincinnati, USA)
1570280974	Spur-Free Current-Mode Hysteretic Boost Converter for Noise-Sensitive Loads	Oral (Lecture)	Mina Nashed (Iowa State University, USA); Ayman Fayed (The Ohio State University, USA)
1570281301	Energy-Harvesting Microsensors: Low-Energy Task Schedule & Fast Drought-Recovery Design	Oral (Lecture)	Andres Blanco and Gabriel Rincón-Mora (Georgia Institute of Technology, USA)
1570288790	Quantifying Metrics for Analyzing Integrated Circuit Design Integrity	Oral (Lecture)	Steven Bibyk (The Ohio State University, USA)
1570265882	Electrode Location Impact on Cole-impedance Parameters Using Magnitude-Only Measurements	Oral (Lecture)	Todd Freeborn (University of Alabama, USA); Ahmed Elwakil (University of Sharjah, United Arab Emirates (UAE)); Brent Maundy (University of Calgary, Canada)
1570280150	Wave Digital Emulation of a Double Barrier Memristive Device	Oral (Lecture)	Karlheinz Ochs (Ruhr-University Bochum, Germany); Enver Solan (Ruhr-Universität Bochum, Germany); Sven Dirkmann (Ruhr-University Bochum, Germany); Thomas Mussenbrock (Ruhr-Universität Bochum, Germany)
1570280475	Recursive Synchronization of the Unified Chaotic System Using a Single Time Series	Oral (Lecture)	Ashraf A Zaher (American University of Kuwait - College of Arts and Sciences & IEEE, Kuwait)
1570280654	Simple Generic Memristor Emulator for Voltage-Controlled Models	Oral (Lecture)	Abdullah G. Alharbi (University of Missouri - Kansas City, MO, USA); Mohamed Fouda (Faculty of Engineering, Cairo University, Egypt); Zainulabideen J. Khalifa (King Fahad University of Petroleum and Minerals, Saudi Arabia); Masud H. Chowdhury (University of Missouri Kansas City, Kansas City, MO, USA)
1570280834	Linear Time-Variant System Identification Using FMCW Radar Systems	Oral (Lecture)	Tim Poguntke (Robert Bosch GmbH, Germany); Karlheinz Ochs (Ruhr-University Bochum, Germany)
1570283994	Digital Predistortion of Wiener Systems Using the Nonlinear Filtered-x PEM Algorithm with Initial Subsystem Estimates	Oral (Lecture)	Emad Abd-Elrady (Abu Dhabi Women's College & Higher Colleges of Technology, UAE, United Arab Emirates (UAE))

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1570284916	A High-Efficiency Good Linearity 21 to 26.5 GHz Fully Integrated Power Amplifier Using 0.18 Um CMOS Technology	Oral (Lecture)	Hamed Mosalam, Ahmed Allam and Adel Bedair (Egypt-Japan University of Science and Technology, Egypt); Hongting Jia (E-JUST Center, Kyushu University, Japan); Ramesh K Pokharel (Kyushu University, Japan); Takana Kaho (NTT, Japan)
1570285130	A Method for Photo-Diode Array Partitioning Problem	Oral (Lecture)	Kunihiro Fujiyoshi and T. Imano (Tokyo University of Agriculture and Technology, Japan)
1570285414	New Tunable Resistorless CM First-Order Filter Based on Single CBTA and Grounded Capacitor	Oral (Lecture)	Norbert Herencsar (Brno University of Technology, Czech Republic); Jaroslav Koton (Brno University of Technology & BUT, Czech Republic); Mehmet Sagbas (Yeni Yuzyil University, Turkey); Umut Ayten (Yildiz Technical University, Turkey)
1570286347	CFOA-based Fractional Order Simulated Inductor	Oral (Lecture)	Kareem H. Khattab (Nile University, Egypt); Ahmed H. Madian (Egyptian atomic energy authority, NCRRT, Egypt); Ahmed Radwan (Faculty of Engineering, Cairo University, Egypt)
1570286547	Novel Grounded Capacitor-Based Resistorless Tunable Floating/Grounded Inductance Simulator	Oral (Lecture)	Aslihan Kartci, Norbert Herencsar and Kamil Vrba (Brno University of Technology, Czech Republic); Shahram Minaei (Dogus University, Turkey)
1570287286	Voltage-controlled M-M Relaxation Oscillator	Oral (Lecture)	Haneen Gamal and Gehad Mostafa (Eng., Egypt); Mohamed Fouda (Faculty of Engineering, Cairo University, Egypt); Ahmed H. Madian (Egyptian atomic energy authority, NCRRT, Egypt); Ahmed Radwan (Faculty of Engineering, Cairo University, Egypt)
1570292686	The Influence of Vessel Segmentation Threshold on the Accuracy of Patient-Specific Coronary Blood Flow Simulations	Oral (Lecture)	Alena Uus (City University London, United Kingdom); Panagiotis Liatsis (Petroleum Institute, United Arab Emirates (UAE))
1570279600	Modeling and Analysis of Stretching Strain in Clamped-Clamped Beams for Energy Harvesting	Oral (Lecture)	Ahmed Emad (Faculty of Engineering, Ain Shams University & Mentor Graphics Corp., Egypt); Mohamed Mahmoud (Ain Shams University & Faculty of Engineering, Egypt); Maged Ghoneima (Ain Shams University & NVIDIA Corporation, Egypt); Mohamed Dessouky (Ain Shams University, Egypt)
1570280719	Multi-electrode Piezoelectric Energy Harvesters	Oral (Lecture)	Alabi Bojesomo, Wajih Syed and Ibrahim M Elfadel (Masdar Institute of Science and Technology, United Arab Emirates (UAE))
1570280861	Modeling and Characterization of Thin Film Polysilicon in Thermally Driven MEMS Actuators	Oral (Lecture)	Shahabeddin Vamegh Estahbanati, Maher Bakri-Kassem and Rached Dhaouadi (American University of Sharjah, United Arab Emirates (UAE))
1570287021	Testing and Characterization of a MEMS Micro-Cantilever System	Oral (Lecture)	Said Kafumbe (Higher Colleges of Technology, United Arab Emirates (UAE))
1570280878	Efficient Implementation of Multiplexer and Priority Multiplexer Using 1S1R ReRAM Crossbar Arrays	Oral (Lecture)	Debjyoti Bhattacharjee (Nanyang Technological University, Singapore); Anne Siemon, Eike Linn and Stephan Menzel (RWTH Aachen University, Germany); Anupam Chattopadhyay (Nanyang Technological University, Singapore)
1570284647	Series Resistance and Carrier Tunneling of Compact Model for Double Gate Nanoscale Transistors	Oral (Lecture)	Islam Shaboon (Mentor Graphics, Egypt); Wael Fikry (Ain Shams University, Egypt); Serag E. D. Habib (Faculty of Engineering, Cairo University, Egypt)

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1570285017	Novel Microscale Memristor with Uniqueness Property for Securing Communications	Oral (Lecture)	Heba Abunahla, Dina Shehada, Chan Yeob Yeun, Curtis OKelly, Maguy Abi Jaoude and Baker Mohammad (Khalifa University, United Arab Emirates (UAE))
1570286603	Surface Passivation Method for Optimum Performance of 4H-SiC Devices	Oral (Lecture)	Aamenah Siddiqui, Hazem Elgabra and Shakti Singh (Khalifa University of Science Technology and Research, United Arab Emirates (UAE))
1570280171	A 40V Current Sensing Circuit with Fast on/off Transition for High-Voltage Power Management	Oral (Lecture)	Peter Renz and Philipp Lamprecht (Reutlingen University, Germany); Daniel Teufel (University Reutlingen, Germany); Bernhard Wicht (Reutlingen University, Robert Bosch Center for Power Electronics, Germany)
1570280553	Electret-Free Electrostatic Energy Harvesting Interface Circuit Design and Analysis	Oral (Lecture)	Lilas Alrahis (Khalifa University of Science Technology and Research, United Arab Emirates (UAE)); Baker Mohammad (Khalifa University, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))
1570280689	Power Loss Analysis in Single-Step, Single-Inductor Energy-Harvesting-based Power Supplies	Oral (Lecture)	Ahmed A Abdelmoaty and Ayman Fayed (The Ohio State University, USA)
1570280973	Dynamic Threshold Compensated, Low Voltage CMOS Energy Harvesting Rectifier for UHF Applications	Oral (Lecture)	Manal Mohamed (Egypt-Japan University of Science and Technolgy ejust, Egypt)
1570283365	Transient Suppression with Pseudo Error Voltage Technique for Wide Supply Range Automotive DC-DC Converters	Oral (Lecture)	Hafeez KT (Indian Institute of Technology & AMS Semiconductors, India); Krishna Kanth Gowri Avalur (ams Semiconductors India pvt. Ltd & Secretary, IEEE CAS Hyderabad, India); Ashudeb Dutta (Indian Institute of Technology Hyderabad, India); ShivGovind Singh (IIT Hyderabad, India)
1570284780	Power Management Unit for Multi-Source Energy Harvesting in Wearable Electronics	Oral (Lecture)	Mohammad Alhawari and Temesghen Tekeste (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Baker Mohammad (Khalifa University, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))
1570284951	A Wireless Pulsed-Current Battery Charger for Implantable Biomedical Stimulators	Oral (Lecture)	Iman Ghotbi, Mohammad Najjarzadegan, Ali Esmailian, Shahin Ashtiani and Omid Shoaie (University of Tehran, Iran)
1570284957	Extended Coupling-Range Wireless Power Transfer Using 0 \times / 4 \times Resonant Regulating Rectifier	Oral (Lecture)	Iman Ghotbi, Ali Esmailian, Shahin Ashtiani and Omid Shoaie (University of Tehran, Iran)
1570284989	Optimization of the Output Power of A Frequency-Up Conversion Piezoelectric Energy Harvester	Oral (Lecture)	Mostafa Shadoufa (Ain shams University, Egypt); Maged Ghoneima (Ain Shams University & NVIDIA Corporation, Egypt); Mohamed Dessouky (Ain Shams University, Egypt); Mohamed Mahmoud (Ain Shams University & Faculty of Engineering, Egypt)
1570264629	Online Reliability Prediction of Energy Systems with Wind Generation	Oral (Lecture)	Hana Baili and Yan-Fu Li (CentraleSupélec, France)
1570275512	Analysis of an Isolated Micro-Grid for Nigerian Terrain	Oral (Lecture)	Michael S Okundamiya and Owen Omorogiuwa (Ambrose Alli University, Nigeria)

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1570279990	Adaptive Fuzzy CDSC-PLL for Grid Connected Converters Under Disturbed Grid	Oral (Lecture)	Hany A. Hamed and Ahmed Fathi Abdou (Faculty of Engineering Menoufiya University, Egypt); Ehab Bayoumi (Abu Dhabi Men's College, United Arab Emirates (UAE)); E. E. El-Kholy (Faculty of Engineering Menoufiya University, Egypt)
1570280214	Continuous Tuning of Inductive Link Antennae with Zero Voltage Switched Fractional Capacitance	Oral (Lecture)	Henry Kennedy and Teerasak Lee (University of Southampton, United Kingdom); Rares Bodnar (University of Southampton & School of Electronics and Computer Science, United Kingdom); William Redman-White (University of Southampton, United Kingdom)
1570280373	Economical Smart Home Scheduling for Single and Multiple Users	Oral (Lecture)	Cong Hao and Takeshi Yoshimura (Waseda University, Japan)
1570284830	Parameter Estimation of Valve Regulated Lead Acid Batteries Using Metaheuristic Evolutionary Algorithm	Oral (Lecture)	Samantha Stephen (UAE University, United Arab Emirates (UAE)); Zahi Omer (United Arab Emirates University & College of Engineering, United Arab Emirates (UAE)); Abbas Fardoun (United Arab Emirates University, United Arab Emirates (UAE)); Ala Hussein (UAE University, United Arab Emirates (UAE))
1570284842	A Novel SVPWM-Based Switching Algorithm for MMC for High Power Applications	Oral (Lecture)	Safia Bashir and Abdul Rahiman Beig (The Petroleum Institute, United Arab Emirates (UAE))
1570285020	Automated Characterization of Reverse Recovery Parameters in High Speed LDMOS Devices	Oral (Lecture)	Carlos Bernal and Manuel Jimenez (University of Puerto Rico at Mayaguez, Puerto Rico)
1570277480	A mm-Wave Push-Push Voltage Controlled Oscillator with Double-Tuned LC Load	Oral (Lecture)	Ahmed Ahmed (University of California, Santa Barbara, CA, USA); Ahmed Mohieldin and Mohamed Aboudina (Cairo University, Egypt)
1570280205	ESD Protection Design for High-Speed Applications in CMOS Technology	Oral (Lecture)	Chun-Yu Lin (National Taiwan Normal University, Taiwan); Jie-Ting Chen (National Chiao Tung University, Taiwan); Rong-Kun Chang and Ming-Dou Ker (National Chiao-Tung University, Taiwan); Tzu-Chien Tzeng and Tzu-Chiang Lin (Novatek Microelectronics Corp., Taiwan)
1570280536	Hybrid Extraction Method Based on Pinch-off S-parameters for mm-Wave Modeling of GaN HEMTs	Oral (Lecture)	Anwar Hasan Jarndal (University of Sharjah, United Arab Emirates (UAE))
1570280764	A 0.6 V, 2.1 mW CMOS UWB LNA for 3-5 GHz Wireless Receivers	Oral (Lecture)	Abdelhalim Slimane (CDTA, Algeria); Abdelkader Taibi (Centre de Développement des Technologies Avancées, Algeria); Abdelhalim A. Saadi (Centre de Développement des Technologies Avancées & Université des Sciences et des Technologies Houari Boumediene, Algeria); Djabar Maafri and Sid Ahmed Tedjini (Centre de Développement des Technologies Avancées, Algeria); Smail Traiche (Advanced Technologies and Development Center, Algeria)
1570280793	Gm Over ID Design for UWB Distributed Amplifier	Oral (Lecture)	Giovanni Piccinni and Gianfranco Avitabile (Politecnico di Bari, Italy); Claudio Talarico (Gonzaga University, USA); Giuseppe Coviello (Politecnico di Bari, Italy)
1570280816	A Compact Ultra-Wideband Monopole Antenna for Breast Cancer Detection	Oral (Lecture)	Asmaa Afifi (EJUST, Egypt); Adel Bedair and Ahmed Allam (Egypt-Japan University of Science and Technology, Egypt); Anwer Sayed Abd El-Hameed (Assistant Research & Egypt-Japan University for Science and Technology (E-JUST), Egypt)

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1570280835	Dual-Frequency Admittance Property of Two Sections Transmission-Line and Application	Oral (Lecture)	Mohammad A Maktoomi (iRadio Lab, University of Calgary & CDRL, IIIT Delhi, New Delhi, Canada); Mohammad Maktoomi and Ajay Yadav (IIIT Delhi, India); Mohammad Hashmi (IIITD, India); Fadhel Ghannouchi (University of Calgary, Canada)
1570280938	Using Scattering Parameters and the gm/ID MOST Ratio for Characterisation and Design of RF Circuits	Oral (Lecture)	Juan Luis Castagnola (Universidad Católica de Córdoba, Argentina); Fortunato Carlos Dualibe and Hugo Garcia-Vazquez (Université de Mons, Belgium)
1570281539	10 Gb/s 1.95 mW Active Cascode Transimpedance Amplifier for High Speed Optical Receivers	Oral (Lecture)	Diaa Abd-elrahman (Assiut University, Assiut, Egypt); Mohamed Atef (Assiut University & SJTU University, Egypt); Guoxing Wang (Shanghai Jiao Tong University, P.R. China)
1570282915	A Modified Resistive Shunt Feedback Low Noise Amplifier in 130 nm CMOS	Oral (Lecture)	Rashad Ramzan (United Arab Emirates University, United Arab Emirates (UAE)); Sana Arshad (NED University of Engineering & Technology, Pakistan); Qamar-ul Wahab (Linkoping University, Sweden)
1570284567	Millimetre-wave Performance of Passive Microstrip Bandpass Filters Based on 40nm CMOS Technology	Oral (Lecture)	Xi Sung Loo and Kok Wai Johnny Chew (Globalfoundries Singapore Pte Ltd, Singapore); Kiat Seng Yeo (Singapore University of Technology and Design, Singapore)
1570287838	A 9 mW Wideband 60 GHz LNA with 3.55 dB NF	Oral (Lecture)	Germin Ghaly, Mohammed El-Nozahi and Hani Fikry (Ain Shams University, Egypt)
1570290438	A 0.23 mW, On-Chip, Self-Calibrating RF Amplitude Detector in 65 nm CMOS	Oral (Lecture)	Yonatan Kifle (Khalifa University of Science Technology and Research, United Arab Emirates (UAE)); Mohammad Alhawari (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Sleiman Bou-Sleiman (Intel, USA); Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))
1570290604	A Time-Based, Digitally Intensive Circuit and System Architecture for Wireless Neural Recording with High Dynamic Range	Oral (Lecture)	Wen-Yang Hsu (Swiss Federal Institute of Technology in Lausanne, Switzerland); Alexandre Schmid (Swiss Federal Institute of Technology, Switzerland); Chen Cao (Swiss Federal Institute of Technology in Lausanne, Switzerland)
1570291309	Neural Stimulators for Retinal Prosthesis Embedded with CMOS Microchips	Oral (Lecture)	Toshihiko Noda, Hiroaki Takehara, Kiyotaka Sasagawa, Takashi Tokuda and Jun Ohta (Nara Institute of Science and Technology, Japan)
1570291965	A Wireless Image Acquisition System for Artificial Knee Implant Surgeries	Oral (Lecture)	Shaolin Xiang (Tsinghua University, P.R. China); Zhi Bie (Tsinghua University, Beijing, P.R. China); Hanjun Jiang and Zhihua Wang (Tsinghua University, P.R. China); Wen Jia (Research Institute of Tsinghua University in Shenzhen, P.R. China)
1570292505	Low-Power CMOS Bandpass Filter for Application of Cochlear Prosthesis	Oral (Lecture)	Hsing-Chien Chu, Yu-Hua Huang and Chung-Chih Hung (National Chiao Tung University, Taiwan)
1570292649	Smart Artificial Urinary Sphincters: Implementation Challenges	Oral (Lecture)	Sami Hached (Polytechnique Montréal & Polystim Neurotech lab, Canada); Mohamad Sawan and André Garon (Polytechnique Montréal, Canada); Oleg Loutochin and Jacques Corcos (McGill University - Faculty of Medecine, Canada)
1570292476	Remote Field Device Fingerprinting Using Device-Specific Modbus Information	Oral (Lecture)	Anastasis Keliris (New York University, USA); Michail Maniatakos (New York University Abu Dhabi, United Arab Emirates (UAE))

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1570292525	Exploring Active Manipulation Attacks on the TERO Random Number Generator	Oral (Lecture)	Yang Cao, Vladimir Rozic, Bohan Yang and Josep Balasch (ESAT/COSIC, KU Leuven, Belgium); Ingrid Verbauwhede (UCLA, USA)
1570292677	Secure Public Key Hardware for IoT Applications	Oral (Lecture)	Poulami Das (IIT Kharagpur, India); Debapriya Basu Roy and Debdeep Mukhopadhyay (Indian Institute of Technology, India)
1570292716	A Stochastic Approach to Analog Physical Unclonable Function	Oral (Lecture)	Nima Maghari (University of Florida, USA); Troy Bryant (University of Florida, USA); Mark M. Tehranipoor, Domenic Forte and Sreeja Chowdhury (University of Florida, USA)
1570280620	Design of Low Power CMOS Subthreshold Current Mode Instrumentation Amplifier Based on CCII	Oral (Lecture)	Mohammed A. Eldeeb (Misr International University, Egypt); Yehya Ghallab (Helwan University, Egypt); Yehea Ismail (American University in Cairo, USA); Hassan Elghitani (Misr International University, Egypt)
1570284676	A 130nm CMOS Integrated Lab-On-a-Chip Based on DeFET Sensor for Biomedical Analysis	Oral (Lecture)	Ahmad Qassem (The American University in Cairo (AUC), Egypt); Reda Mohamed (Helwan University & American University in Cairo, Egypt); Yehya Ghallab (AUC, Egypt); Yehea Ismail (American University in Cairo, USA)
1570284890	Novel Logarithmic ECG Feature Extraction Algorithm Based on Pan and Tompkins	Oral (Lecture)	Muna Darweesh (Khalifa University, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Temesghen Tekeste (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Baker Mohammad and Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))
1570284970	Fused Floating Point Arithmetic for Discrete Wavelet Transform	Oral (Lecture)	Temesghen Tekeste (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Baker Mohammad and Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))
1570292931	A Crab Leg Suspension Based Dual Axis MEMS Accelerometer with Low Cross Axis Sensitivity	Oral (Lecture)	Zakriya Mohammed, Alabi Bojesomo, Waqas Amin Gill and Ibrahim M Elfadel (Masdar Institute of Science and Technology, United Arab Emirates (UAE)); Mahmoud Rasras (Masdar Institute of Technology, United Arab Emirates (UAE))
1570297980	Design of Self Powered Chip Integrated Humidity Sensor	Oral (Lecture)	Nasir Quadir and Mansour Taghadosi (American University of Sharjah, United Arab Emirates (UAE)); Lutfi Albasha (American University Of Sharjah, United Arab Emirates (UAE)); Nasser Qaddoumi (American University of Sharjah, United Arab Emirates (UAE))
1570297987	Initial Optimization of Graphene Coated Fabrics for ECG Sensors	Oral (Lecture)	Saif Al Ateeqi Al Junaibi (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Nicholas Hallfors (Khalifa University, United Arab Emirates (UAE)); Yarjan Abdul Samad (Khalifa University of Science Research and Technology, United Arab Emirates (UAE)); Hani Saleh (Khalifa University of Science, Technology & Research, United Arab Emirates (UAE)); Kin Liao (Khalifa University of Science Technology and Research, United Arab Emirates (UAE)); Abdel F. Isakovic (KUSTAR, United Arab Emirates (UAE)); Mohammed Ismail (Khalifa University, United Arab Emirates (UAE))

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1570297992	IoT Devices: The Quest for Energy Security	Oral (Lecture)	Riad Kanan (Abu Dhabi University, United Arab Emirates (UAE))
1570297994	Metal Oxide Thin Film Transistor Based Sensing	Oral (Lecture)	Mateusz Madzik, Elangovan Elamurugu and Jaime Viegas (Masdar Institute of Science and Technology, United Arab Emirates (UAE))
1570280817	Autoscaling of Cores in Multicore Processor Using Power and Thermal Workload Signatures	Oral (Lecture)	Rupesh Karn (Masdar Institute of Science and Technology & Mubadala Company, United Arab Emirates (UAE)); Ibrahim M Elfadel (Masdar Institute of Science and Technology, United Arab Emirates (UAE))
1570280913	A Real-time UEFI Functional Validation Tool with Behavior Colored Petri Net Model	Oral (Lecture)	Rongyang Liu, Jose G. Delgado-Frias and Doug Boyce (Washington State University, USA); Rahul Khanna (Intel Corporation, USA)
1570280916	Structural Health Monitoring: Internet of Things Application	Oral (Lecture)	Ahmed Abdelgawad and Kumar Yelamarthi (Central Michigan University, USA)
1570281954	An Internet of Things Enabled Wearable Navigation System for Blind	Oral (Lecture)	Ahmed Abdelgawad and Kumar Yelamarthi (Central Michigan University, USA); Michael Trent (CMU, USA)
1570284728	Vehicle Classification Via 3D Geometries	Oral (Lecture)	William McDowell (Lockheed Martin, USA); Wasfy Mikhael (University of Central Florida, USA)
1570280768	Secure Communication Interface Design for IoT Applications Using the GSM Network	Oral (Lecture)	Andrew Wightwick (University of Southampton, United Kingdom); Basel Halak (Southampton University, United Kingdom)
1570280821	A Versatile Hardware Platform for the Development and Characterization of IoT Sensor Networks	Oral (Lecture)	Shahzad Muzaffar and Ibrahim M Elfadel (Masdar Institute of Science and Technology, United Arab Emirates (UAE))
1570282631	A Four-Layer Wireless Sensor Network Framework for IoT Applications	Oral (Lecture)	Kevin Laubhan, Khaled Talaat, Sarah Riehl, Tony Morelli, Ahmed Abdelgawad and Kumar Yelmarthi (Central Michigan University, USA)
1570284934	Flexible Gesture Recognition Using Wearable Inertial Sensors	Oral (Lecture)	Huda Abualola, Hanin Al Ghothani, Abdulrahim Naser Eddin, Nawaf Almoosa and Kin Fai Poon (Khalifa University, United Arab Emirates (UAE))
1570282929	Resistive Switching in Sol-Gel Derived Microscale Memristors	Oral (Lecture)	Heba Abunahla and Maguy Abi Jaoude (Khalifa University, United Arab Emirates (UAE)); Ilhaam Aziz Omar (Khalifa University of Science, Technology and Research, United Arab Emirates (UAE)); Baker Mohammad and Mahmoud Al-Qutayri (Khalifa University, United Arab Emirates (UAE))
1570292496	Overview of PUF-Based Hardware Security Solutions for the Internet of Things	Oral (Lecture)	Basel Halak (Southampton University, United Kingdom); Mark Zwolinski and M. Syafiq Mispan (University of Southampton, United Kingdom)
1570292578	An Overview of the Fundamentals of Battery Chargers	Oral (Lecture)	Bora Tar and Ayman Fayed (The Ohio State University, USA)
1570293029	Digital-Intensive Delta-Sigma Phase-Locked Loops Utilizing 1-Bit Conversion and Modulation	Oral (Lecture)	Woogeun Rhee, Sitao Lv and Han Liu (Tsinghua University, P.R. China); Ni Xu (University of Tsinghua, P.R. China); Zhihua Wang (Tsinghua University, P.R. China)
1570274060	CMOS Analog Front-End Interleaved Chain Architecture for EEG Detection System	Poster	Aisha Alhammadi and Soliman Mahmoud (University of Sharjah, United Arab Emirates (UAE))
1570280365	A Linear CMOS Balanced Output Transconductor Using Double Differential Pair with Source Degeneration and Adaptive Biasing	Poster	Mohamed Elamien and Soliman Mahmoud (University of Sharjah, United Arab Emirates (UAE))
1570280532	The Pole-zero Doublet: a Cascode Operational Amplifier with Cross Coupled Capacitor	Poster	Ashish Joshi, Indu Yadav and Satinder Sharma (Indian Institute of Technology Mandi, India); Hitesh Shrimali (IIT Mandi, India)

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1570280740	A 9-bit, 1.08ps Resolution Two-Step Time-to-Digital Converter in 65 nm CMOS for Time-Mode ADC	Poster	Junjie Kong (Nanyang Technological University & Technische Universität München, Singapore); Stephan Henzler and Doris Schmitt-Landsiedel (Technische Universität München, Germany); Liter Siek (Nanyang Technological University & Deputy Director, VIRTUS-IC Design Centre of Excellence, Singapore)
1570280826	A Current-Mirror Technique Used for High-Order Curvature Compensated Bandgap Reference in Automotive Application	Poster	Dongwoo Ha, Yujin Park and Suhwan Kim (Seoul National University, Korea)
1570280869	Serial Data Link Interface for Memory Applications	Poster	Waleed Madany (Aswan University & Faculty of Engineering, Egypt)
1570280930	An Accurate Low-power DAC for SAR ADCs	Poster	Seyed Behnam Yazdani, Ata Khorami and Mohammad Sharifkhani (Sharif University of Technology, Iran)
1570280954	Accelerated Evolutionary Algorithms with Parameter Importance Based Population Initialization for Variation-aware Analog Yield Optimization	Poster	Sita Kondamadugula (IIITBangalore, India); Srinath Naidu (IIIT Bangalore, India)
1570280957	A Nested-Chopped Current-Feedback Instrumentation Amplifier for MEMS Flow Sensors	Poster	Moaaz Ahmed, Saqib Mohamad and Amine Bermak (HKUST, Hong Kong)
1570281030	Bootstrapped Leakage Suppression Switch for Switched Capacitor Circuits with Zero Input Common Mode	Poster	Rahul T. (Amrita University, India); Bibhu Datta Sahoo (University of Illinois at Urbana-Champaign, USA); Veeresh Vulligaddala and Chandra Nyshadham (ams Semiconductor India Pvt. Ltd., India)
1570281085	On the Impact of Channel Loss on CDR Locking	Poster	Javier Ardila (Universidad Industrial de Santander, Colombia); Elkim Roa (Universidad Industrial de Santander, Colombia)
1570287839	Folded Cascode Current Source with Dual Mirrors Current Feedback	Poster	Lim Nguyen (University of Nebraska-Lincoln, USA)
1570283833	Assertion-Based Verification Technique for ECG Bio-Sensor Algorithms	Poster	Hussam Al-Hamadi (Khalifa University for Science, Technology and Research, United Arab Emirates (UAE)); Amjad Gawanmeh and Mahmoud Al-Qutayri (Khalifa University, United Arab Emirates (UAE))
1570283913	Noise Analysis in Ring Oscillator-based Capacitance Sensor Interface	Poster	Javed S Gaggatur and Gaurab Banerjee (Indian Institute of Science, India)
1570284606	Design of an OOK IR-UWB Front-End for Biomedical Devices	Poster	Maissa Daoud (LETI, Tunisia); Hassene Mnif (National Engineering School of Sfax, University of Sfax, Tunisia); Mohamed Ghorbel (ATMS, Tunisia); Mourad Loulou (National School of Engineering of Sfax, Tunisia)
1570280160	Equal Sub-Area-Based DV-Hop	Poster	Enas Mohamed (Benha Faculty Of Engineering, Egypt); Hatem Zakaria (Benha University, Egypt); Mohamed B Abdelhalim (Arab Academy for Science, Technology & Maritime Transport, Egypt)
1570280750	Efficient Pseudo-Random Number Generators for Wireless Sensor Networks	Poster	Rana Ahmed (American University of Sharjah, United Arab Emirates (UAE))
1570280943	Impact of Fractional Bandwidth on the Bit Error Rate of a Beamforming System	Poster	Owais Talaat Waheed (iMicro, Masdar Institute of Science & Technology, United Arab Emirates (UAE)); Ayman Shabra (MediaTek Inc., USA); Ibrahim M Elfadel (Masdar Institute of Science and Technology, United Arab Emirates (UAE))

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1570280979	Toward a Novel Architecture for Beam Steering of Active Phased-Array Antennas	Poster	Giulio D'Amato and Gianfranco Avitabile (Politecnico di Bari, Italy); Claudio Talarico (Gonzaga University, USA); Giuseppe Coviello (Politecnico di Bari, Italy)
1570284773	An Autonomous System for Hospital-Acquired Infections (HAIs) Prevention	Poster	Riad Kanan (Abu Dhabi University ADU, United Arab Emirates (UAE)); Obaidallah Elhassan and Rofaida Bensalem (Abu Dhabi University, United Arab Emirates (UAE))
1570287640	The Effects of I/Q Imbalance on Wireless Communications: A Survey	Poster	Bassant Selim (Khalifa University, United Arab Emirates (UAE)); Paschalis C. Sofotasios (Tampere University of Technology & Aristotle University of Thessaloniki, Finland); Sami Muhaidat (Khalifa University, United Arab Emirates (UAE)); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece)
1570266667	VIBROTOOL - Software Tool for Change Detection and Diagnosis in Vibration Signals	Poster	Theodor D. Popescu (National Institute for Research and Development in Informatics, Romania); Dorel Aiordachioaie (University of Galati, Romania)
1570284365	Modeling Analysis and Simulation of 2-DOF Robotic Manipulator	Poster	Samia Mahil (The Petroleum Insitiute, United Arab Emirates (UAE)); Ahmed Al-Durra (Petroleum Institute, United Arab Emirates (UAE))
1570284914	2-D Terrain Chart Mapping for a Navigation Robot (NavBot) Using a Tactile Sensor for System Modelling	Poster	Utsav Mahidhara (Birla Institute of Technology & Science, Pilani, Dubai Campus, United Arab Emirates (UAE)); Gomathi Bhavani Rajagopalan (BITS, Pilani Dubai, United Arab Emirates (UAE))
1570287305	Optimal Control in Selective Catalytic Reduction Using Linear Quadratic Regulator	Poster	Aishvarya Hariharan, John Watkins and Edwin Sawan (Wichita State University, USA)
1570287669	A Framework for Teaching Robotic Control Using a Novel Visual Programming Language	Poster	Mohammed Ghazal, Fasila Haneefa, Samr Samir Ali, Yasmina Al Khalil and Ahmed Sweleh (Abu Dhabi University, United Arab Emirates (UAE))
1570279382	Performance Evaluation of Buffer Sharing Routers for Network on Chip	Poster	Hossam Hassan (Chungbuk National University & College of Electrical and Computer Engineering, Korea); Mostafa Said Abdelrehim (Sun Yat-sen University-Carnegie Mellon University (SYSU-CMU) Joint Institute of Engineering, Guangzhou, China); HyungWon Kim (Chungbuk National University & College of Electrical and Computer Engineering, Korea)
1570279904	Low Power Multi Threshold 7T SRAM Cell	Poster	Divyesh Sachan, Harish Peta and Kamaldeep Singh Malik (Indian Institute of Information Technology, Allahabad, India); Manish Goswami (Indian Institute of Information Technology, India)
1570280499	Design of Matrix-diagonal Allocator for Efficient Network-on-Chip Routers	Poster	Wang Gang, Jiang Wei and Xu Yin (Southeast University, P.R. China)
1570280513	Dual-Mode Double Precision Division Architecture	Poster	Manish Kumar Jaiswal and Hayden K.-H. So (The University of Hong Kong, Hong Kong)
1570280723	A Regression Based Methodology to Estimate SNM for Improving Yield of 6T SRAM	Poster	Anil Gundu Kumar (IIIT Delhi, India); Mohammad Hashmi (IIITD, India); Ramkesh Sharma (ST Microelectronics, India)
1570280967	Limited Carry-Propagate Multiply-Accumulate Unit Design for Reconfigurable Systems	Poster	Ugur Cini and Olcay Kurt (Trakya University, Turkey)

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1570282654	Chip Design for Turbo Encoder Module for In-Vehicle System	Poster	Majeed Nader (Wayne State University & University, USA); John Q. Liu (Wayne State University, USA)
1570284416	Improvement of Synthesis Results with the Cadence RTL Compiler	Poster	Raghuram S and Megha Hallikeri (MSRIT, India)
1570284981	Physical Design of Supergate Cells Aiming Geometrical Optimizations	Poster	Maicon Cardoso, Gustavo Smaniotto, Regis Zanandrea and Renato Souza (Federal University of Pelotas, Brazil); Leomar Soares da Rosa (Universidade Federal de Pelotas, Brazil); Felipe Marques (Federal University of Pelotas & UFPel, Brazil)
1570285012	An 8B/10B Encoder with 2GHz Operating Frequency	Poster	Hamed Ashrafi (University of Urmia, Iran); Morteza Mousazadeh and Khayrollah Hadidi (Urmia University, Iran)
1570286460	Toward Better Layout Design in ASTRAN CAD Tool by Using an Efficient Transistor Folding	Poster	Gustavo Smaniotto (Federal University of Pelotas, Brazil); Matheus Moreira (Pontificia Universidade Católica do Rio Grande do Sul, Brazil); Adriel Ziesemer Junior (Instituto Federal do Rio Grande do Sul, Brazil); Felipe Marques (Federal University of Pelotas & UFPel, Brazil); Leomar Soares da Rosa (Universidade Federal de Pelotas, Brazil)
1570270539	A Novel Comb Compensator with a Good Passband Deviation-Complexity Tradeoff	Poster	Gordana Jovanovic Dolecek (INAOE, Mexico)
1570279485	Modified Comb Decimation Filter: Design and Implementation	Poster	Jose Ricardo Garcia Baez (Institute INAOE, Mexico); Gordana Jovanovic Dolecek (INAOE, Mexico)
1570280535	Frequency Estimation in Unbalanced Three-Phase Power Systems Using Complex Adaptive Notch Filters	Poster	Shotaro Nishimura (Shimane University, Japan)
1570280615	Computationally Efficient 2D FIR Adaptive Filters Based on Essentially Separable Structures	Poster	Yuan Jiajing, Niranjan Yardi and William K. Jenkins (The Pennsylvania State University, USA)
1570280975	An Efficient Method of RFI and Clutter Removal in Wind Profiler Spectra	Poster	Swati Sinha (BITS PILANI DUBAI CAMPUS, United Arab Emirates (UAE)); Chandrasekhar T V C Sarma (NARL, India); Mary Lourde Regeena (BPDC, Dubai & BPDC, United Arab Emirates (UAE))
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1570284658	An Efficient Method of Real Time Drowsiness Detection	Poster	Manu BN (Independent Researcher, India)
1570284879	Camera Sensor Calibration Approach for Space Control Applications	Poster	Mohammad Alhulayil, Ahmad Bani Younes and James Daniel Turner (Khalifa University, United Arab Emirates (UAE))
1570284937	High-ISO Image De-noising Using Burst Filtering	Poster	Nour Abura'ed (Khalifa University, United Arab Emirates (UAE)); Harish Bhaskar (Khalifa University of Science Technology and Research, United Arab Emirates (UAE))
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1570280110	Wave Digital Emulation of Charge- Or Flux-Controlled Memristors	Poster	Karlheinz Ochs (Ruhr-University Bochum, Germany); Enver Solan (Ruhr-University Bochum)
1570280112	Sensitivity Analysis of Memristors Based on Emulation Techniques	Poster	Karlheinz Ochs (Ruhr-University Bochum, Germany); Enver Solan (Ruhr-Universität Bochum, Germany)
1570284817	Inductance Simulator Based on Dual Controlled CMOS Voltage Differencing Current Conveyor	Poster	Jan Jerabek (Brno University of Technology, Czech Republic); Roman Sotner (Brno University of Technology, Faculty of Electrical Engineering and Communication, Czech Republic); Roman Prokop (, Czech Republic); Vilem Kledrowetz and Aslihan Kartci (Brno University of Technology, Czech Republic); Umut Ayten (Yildiz Technical University, Turkey)
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1570284802	Fast Transient Harvester Design for Capturing Energy of Activity-Dependent Ambient RF Signals	Poster	Sajad Shieh (University of TEHRAN, Iran)
1570284858	Comparative Performance Evaluation and Assessment of Organic Light Emitting Diodes and Light Emitting Diodes	Poster	Lauren A Fernandes (BITS Pilani, Dubai Campus, United Arab Emirates (UAE)); Gomathi Bhavani Rajagopalan (BITS, Pilani Dubai, United Arab Emirates (UAE))
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