Monday, 24.08.2015								
Room	Room 1	Roor	n 2	Room 3				
08:45		Welcome Adresses						
09:00	Invited Talk: Professor Ronald Tetzlaff, Technische Universität Dresden							
10:00								
10:30	Special: Counteracting Hardware Trojans with a Multidiscipli- nary Approach	Circuit analysis		Memristive Circuits				
		LNA Noise Parameter Measurement	Bernhard Lehmeyer, Michel T. Ivrlac and Josef A. Nossek	Memristor-Based Linear Feedback Shift Register Based on Material Implication Logic	Mehri Teimoory, Amirali Amirsoleimani, Arash Ahmadi, Shahpour Alirezaee, Saeideh Salimpour and Majid Ahmadi			
		·	Juergen Roeber, Christian Zwick, Andreas Baenisch, Simon Dirauf, Guenter Roppenecker and Robert Weigel	Memristive Crossbar Design and Test in Non-adaptive Proactive Reconfiguring Scheme	Peyman Pouyan, Esteve Amat and Antonio Rubio			
		<u> </u>	Kiyotaka Yamamura and Suguru Ishiguro	State transfer function and bandwidth limitation in a linear drift memristor model	Joakim Alvbrant, Vahid Keshmiri and J Jacob Wikner			
		' '	Alexander Kushnerov and Alexandre Yakovlev	Memristor State-Space Embedding	Wael Dghais, Luis Nero Alves, Joana Catarina Mendes and José Carlos Pedro			
			Muhammad Irfan Kazim, Muhammad Imran Kazim and J Jacob Wikner	On the Usage of Harmonic Balance to Simulate Memristive Devices and Circuits	Rathnakannan Kailasam, Luis Nero Alves, Joana Catarina Mendes and José Carlos Pedro			
12:10			Lunch	1				
13:10	Special: New Communication Circuits			Computational Methods				
	Trends in the Theory and Applications of Cellular Nonlinear/ Nanoscale	Communications	Valeriu Beiu and Leonard Daus	Analog Layout Synthesis with Knowledge Mining	Po-Hsun Wu, Mark Po-Hung Lin and Tsung-Yi Ho			
		Linear Delay Line for IR-UWB	Okan Zafer Batur, Naci Pekçokgüler, Günhan Dündar and Mutlu Koca	Pixel interlacing to trade off the resolution of a Cellular Processor Array against more registers	Julien Martel, Miguel Chau, Matthew Cook and Piotr Dudek			

	Networks	Combined RF and multiphase PWM	Muhammaf Fahim Ul Haque, Ted	Statistical Analysis of Static Noise	Valeriu Beiu and Mihai Tache	
		Transmitter	Johansson and Dake Liu	Margins		
		Bandwidth-to-Area Comparison of	Ioannis Papistas and Vasilis Pavlidis	Realistic Path Loss Estimation for	Muhammad Irfan Kazim,	
		Through Silicon Vias and Inductive		Capacitive Body-Coupled	Muhammad Imran Kazim and J	
		Links for 3-D ICs		Communication	Jacob Wikner	
		On Fixed-Point Implementation	Carl Ingemarsson and Oscar	Confidence Intervals at	Lubomir Brancik and Edita	
		of\\Symmetric Matrix Inversion	Gustafsson	Multiconductor Transmission Lines	Kolarova	
				with Stochastic Excitations		
44.50	Coffee Prock & Dester Session					

14:50 Coffee Break & Poster Session

19:00 Welcome Reception

Tuesday, 25.08.2015								
	Room 1	Room 2		Room 3				
08:30	Invited Talk: d	nvited Talk: dr. Scott Hanson, Ambiq Micro						
09:30		Coffee Break & Poster Session						
10:10	Special: System							
10:30	Scenarios for	Nonlinear	Circuits	Oscillators				
	Designing Embedded and Photovoltaic Systems	Ideal Memristors and Their Siblings	Zdenek Biolek, Dalibor Biolek, Viera Biolkova, Zdenek Kolka, Alon Ascoli and Ronald Tetzlaff	On Negative Resistance Oscillators as Modified Multi-vibrators	Erik Lindberg, K. Murali and Arunas Tamasevicius			
			Lo Schiavo	Phase noise spectrum of oscillators described by Ito stochastic differential equations	Michele Bonnin, Fernando Corinto, Fabrizio Bonani and Fabio Traversa			
		Effective (Spur-Free) Dithering of Digital Delta-Sigma Modulators with Pseudorandom Dither	Hongjia Mo and Michael Peter Kennedy	Linearization of Synthesizable VCO- Based ADCs Using Delta Modulation	Vishnu Unnikrishnan and Mark Vesterbacka			
		·	Civalleri and Leon Chua	A Differential Inverter-based Switched-Capacitor Oscillator in 65 nm CMOS Technology	Peng Wang, Gyorgy Csaba, Wolfgang Porod and Trond Ytterdal			

		Complex behavior in memristor circuit based on static nonlinear twoports and dynamic bipole	Jacopo Secco, Mario Biey, Fernando Corinto, Alon Ascoli and Ronald Tetzlaff	A micro power temperature compensated frequency generating circuit	Shailesh Singh Chouhan and Kari Halonen	
12:10		ports and dynamic bipole	Lunch	circuit		
	Special: Asynchronous Circuits	Filters and methods		Neuromorphic & Biomedical Circuits		
		Narrowest Band-pass Digital FIR Filters	Pavel Zahradnik, Miroslav Vlcek, Michal Susta and Boris Simak	A high dynamic range image sensor with linear response based on asynchronous event detection	Juan A. Leñero-Bardallo, Ricardo Carmona-Galán and Ángel Rodríguez-Vázquez	
		PVT Variations in Differential Flip- Flops: A Comparative Analysis	Massimo Alioto, Gaetano Palumbo and Elio Consoli	Negative Resistance Circuit for Damping an Array of Coupled FitzHugh-Nagumo Oscillators	Arunas Tamasevicius, Elena Adomaitiene, Skaidra Bumeliene, Gytis Mykolaitis and Erik Lindberg	
		Relationships Between Two Definitions of Fading Memory for Discrete-Time Systems	Andrzej Borys	Inductive Charging of an EDLC Powered Wristband Device for Medical Measurements	Stijn Wielandt, Bart Thoen, Jean- Pierre Goemaere, Lieven De Strycker and Nobby Stevens	
		Voltage-Mode All-Pass Filter Passive Scheme Based on Floating Negative Resistor and Grounded Capacitor	Norbert Herencsar, Jaroslav Koton, Kamil Vrba, Shahram Minaei and İzzet Cem Göknar	Inverter-based Low-power, Low- noise SC-VGA and 8 Channel Pipelined S/H Analog Beamformer for Ultrasound Imaging Probes	Peng Wang and Trond Ytterdal	
		Design Approach for a Class of 2D Recursive Filters	Radu Matei	Power-Efficient Estimation of Silicon Neuron Firing Rates with Floating- Gate Transistors	Stephen Nease and Elisabetta Chicca	
		Design of Current-Mode Class 1 Frequency-Agile Filter Employing CDTAs	Mesut Atasoyu, Hakan Kuntman, Bilgin Metin and Norbert Herencsar			
15:10	Coffee Break					
15:40	Award Ceremony (Best Student Paper Award) / Invitation to ECCTD 2017					
19:00	19:00 Conference Dinner					

	Wednesday, 26.08.2015					
Rooi	m 1	Roor	n 2	Room 3		
08:30	08:30 Invited Talk: TBD					
09:30 Coffee Break						
10:00 <mark>Special: [</mark>	of Smart Integrated Energy- Harvesting Systems	Converters		Analog Circuit Design		
Integrate Energy- Harvestir		·	•	A High Voltage Current Sense Amplifier With Extended Input Common Mode Range Based On A Low Voltage Operational Amplifier Cell	Razvan Puscasu, Pavel Brinzoi, Laurentiu Creosteanu and Gheorghe Brezeanu	
			Arash Hejazi, Sarang Kazeminia and Roozbeh Abdollahi	Design of an Op-Amp Free Voltage	Pinar Basak Basyurt, Edoardo Bonizzoni, Franco Maloberti and Devrim Yilmaz Aksin	
		Low Power Continuous-Time Delta- Sigma ADC with Current Output DAC		Design of Current Mode Front-end Amplifiers with Optimal Timing Performance for High-gain Photodetectors	Fabio Ciciriello, Francesco Corsi, Francesco Licciulli, Cristoforo Marzocca and Gianvito Matarrese	
		A High Resolution Time-to-Digital Converter Utilizing Coupled Oscillator, ORIGAMI	Takeshi Shima and Nicodimus Retdian	New Sensor Concept for Intra-Frame Scene and Speed Capturing	Máté Németh and Ákos Zarándy	
		voltage reference with a 3σ	Hannes Badertscher, Armin Stocklin, Roman Willi, Andreas Fitzi and Paul Zbinden	Single-Miller All-Passive Compensation Network for Three- Stage OTAs	Giuseppe Di Cataldo, Alfio Dario Grasso, Gaetano Palumbo and Salvatore Pennisi	
		The Synthesis of Noise Transfer Functions for Bandpass Delta-Sigma Modulators with Tunable Center Frequency	Enrico Roverato, Marko Kosunen and Jussi Ryynänen	VLSI Hybrid DC-DC Regulator	Jordi Cosp-Vilella and Herminio Martinez-Garcia	
12:00			Lunch			

13:00	F	RF		Semiconductor Devices and Technology	
		Clock Phase Imbalance and Phase Noise in RF N-path Filters			Ali Asghar Vatanjou, Trond Ytterdal and Snorre Aunet
		Generation of parameterized macromodels of two-port RF circuits for SPICE simulator	•		Reza Shabanpour, Corrado Carta, Tilo Meister, Koichi Ishida, Bahman Kheradmand-Boroujeni, Niko Stephan Munzenrieder, Giovanni Antonio Salvatore, Luisa Petti, Gerhard Troester and Frank Ellinger
			. •	Stacked Low-Voltage PMOS for High- Voltage ESD Protection	Seian-Feng Liao, Kai-Neng Tang, Ming-Dou Ker, Jia-Rong Yeh, Hwa- Chyi Chiou, Yeh-Jen Huang, Chun- Chien Tsai, Yeh-Ning Jou and Geeng-Lih Lin
		•	Yury Antonov, Tero Tikka, Kari Stadius and Jussi Ryynänen	Compensation Circuit with Additional Junction Sensor to Enhance Latchup Immunity for CMOS Integrated Circuits	Hui-Wen Tsai and Ming-Dou Ker
		4 port S-parameters with 2 port	Noboru Maeda, Shinji Fukui, Toshikazu Sekine and Yasuhiro Takahashi	Ultra Low-power Applications	Marten Vohrmann, Saikat Chatterjee, Sven Lütkemeier, Thorsten Jungeblut, Mario Porrmann and Ulrich Rückert
14:40			Conference end		