2016 IEEE International Conference on Electronics, Circuits and Systems (ICECS 2016)

Monte Carlo, Monaco
11-14 December 2016

IEEE Catalog Number: CFP16773-POD
ISBN: 978-1-5090-6114-3

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number: CFP16773-POD
ISBN (Print-On-Demand): 978-1-5090-6114-3
ISBN (Online): 978-1-5090-6113-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

ICECS 2016 Table of Contents

A1L-A Emerging Technologies

Date: Monday, December 12, 2016
Time: 11:00 - 12:40
Room: Apollinaire-1
Chair(s): Amara Amara; *ISEP, France*

A1L-B Analog-to-Digital Converters

Date: Monday, December 12, 2016
Time: 11:00 - 12:40
Room: Auric-2
Chair(s): Franco Maloberti; *University of Pavia, Italy*

A1L-C SS1. Oscillator-Based Computing

Date: Monday, December 12, 2016
Time: 11:00 - 12:40
Room: Auric-1
Chair(s): Alex Yakovlev; *Newcastle University, UK*
Alex Kushnerov; *National Cheng Kung University, Taiwan*

A1L-D Biomedical Monitoring Circuits and Systems

Date: Monday, December 12, 2016
Time: 11:00 - 12:40
Room: Auric-3
Chair(s): Robert Sobot; *ENSEA*

A1L-E Neural Networks and Fuzzy Systems

Date: Monday, December 12, 2016
Time: 11:00 - 12:40
Room: Apollinaire-2
Chair(s): Majid Ahmadi

A2P-F Analog Circuits 1

Date: Monday, December 12, 2016
Time: 14:00 - 15:00
Room: Poster Area 1
Chair(s): Patricia Desgreys; *Telecom ParisTech, France*

A2P-G Analog Circuits 2

Date: Monday, December 12, 2016
Time: 14:00 - 15:00
Room: Poster Area 2
Chair(s): Chadi Jabbour; *Telecom Paristech, France*

A2P-H RF Subsystems

Date: Monday, December 12, 2016
Time: 14:00 - 15:00
Room: Poster Area 3
Chair(s): Johan Bauwelinck; *Ghent University (Belgium)*
Luca Aluigi; *ASK (Italy)*

A2P-J Bioengineering, Sensors and Actuators

Date: Monday, December 12, 2016
Time: 14:00 - 15:00
Room: Poster Area 4
Chair(s): Sandro Carrara; *EPFL, Switzerland*

A3L-A Green and Power Electronics

Date: Monday, December 12, 2016
Time: 15:30 - 17:10
Room: Apollinaire-1
Chair(s): Adrian Ioinovici; *Holon Institute of Technology, Israël*

A3L-B Analog and Mixed Signals Circuits

Date: Monday, December 12, 2016
Time: 15:30 - 17:10
Room: Auric-1
Chair(s): Luc Hebrard; *University of Strasbourg, France*
Salvatore Pennisi; *University of Catania, Italy*

A3L-C SS7. Advanced Concepts for Future RF and mmW Transceivers

Date: Monday, December 12, 2016
Time: 15:30 - 17:10
Room: Auric-2
Chair(s): Antoine Frappe; *ISEN Lille, France*
François Rivet; *University of Bordeaux, France*

A3L-D Signal Processing

Date: Monday, December 12, 2016
Time: 15:30 - 17:10
Room: Auric-3
Chair(s): Mounir Boukadoum; *UQAM, Canada*

A3L-E Digital Circuit Reliability

Date: Monday, December 12, 2016
Time: 15:30 - 17:10
Room: Apollinaire-2
Chair(s): Mathieu Thevenin; *CEA France*

B1L-A SS6. Digitally Enhanced Mixed-Signal systems

Date: Tuesday, December 13, 2016
Time: 10:30 - 12:10
Room: Auric-1
Chair(s): Dominique Dallet; *IMS Bordeaux, France*
Chadi Jabbour; *Telecom Paristech, France*

B1L-B Sensing Electronics

Date: Tuesday, December 13, 2016
Time: 10:30 - 12:10
Room: Apollinaire-1
Chair(s): Luc Hebrard; *University of Strasbourg, France*
Herve Barthelemy; *Université de Toulon*

B1L-C RF Circuits & Techniques

Date: Tuesday, December 13, 2016
Time: 10:30 - 12:10
Room: Auric-2
Chair(s): Federico Alimenti; *University of Perugia (Italy)*
Nathalie Deltimple; *IMS Laboratory, France*

B1L-D Image and Video Processing Architectures

Date: Tuesday, December 13, 2016
Time: 10:30 - 12:10
Room: Auric-3
Chair(s): Sergio Bampi; *UFRGS (BR)*
Alexander Fish; *Bar-Ilan University (IL)*

B1L-E SS5. Data Centers: High Performance Systems, Elements & Algorithms

Date: Tuesday, December 13, 2016
Time: 10:30 - 12:10
Room: Apollinaire-2
Chair(s): Dionysis Reisis; *U of Athens, Greece*
Christos Spatharakis; *National Technical Univ. of Athens, Greece*

B2P-F Embedded Systems

Date: Tuesday, December 13, 2016
Time: 14:00 - 15:00
Room: Poster Area 1
Chair(s): Sandro Carrara; *EPFL, Switzerland*

B2P-G Emerging Secure Technologies

Date: Tuesday, December 13, 2016
Time: 14:00 - 15:00
Room: Poster Area 2
Chair(s): Amara Amara; *ISEP, France*

B2P-H PhD Students & Young Professionals Poster & Demo Session

Date: Tuesday, December 13, 2016
Time: 14:00 - 15:00
Room: Poster Area 3
Chair(s): Elena Blokhina; *University College Dublin*
Dimitri Galayko; *UPMC-Sorbonne, LIP6, France*

B3L-A Frequency Synthesis & Synchronization

Date: Tuesday, December 13, 2016
Time: 15:30 - 17:10
Room: Auric-3
Chair(s): Domenico Pepe; *Univ. of Modena & Reggio E. (Italy)*
Domenico Zito; *Aarhus University*

B3L-B Sigma-Delta Converters

Date: Tuesday, December 13, 2016
Time: 15:30 - 17:10
Room: Auric-1
Chair(s): Antoine Frappe; *ISEN Lille, France*
Franco Maloberti; *University of Pavia, Italy*

B3L-C SS3. Reconfigurable Circuits & Systems for Narrowband & Broadband Multi-standards Applications

Date: Tuesday, December 13, 2016
Time: 15:30 - 17:10
Room: Auric-2
Chair(s): Nathalie Deltimple; *IMS Laboratory, France*
Rahma ABDAOUI; *Minarc-ISEP, France*

B3L-D Energy Harvesting

Date: Tuesday, December 13, 2016
Time: 15:30 - 17:10
Room: Apollinaire-1
Chair(s): Ana Rusu; *KTH (Sweden)*
Stefano Gregori; *University of Guelph (Canada)*

B3L-E Low Power Digital Circuits

Date: Tuesday, December 13, 2016
Time: 15:30 - 17:10
Room: Apollinaire-2
Chair(s): Mathieu Thevenin; *CEA France*

C1L-A SS4. Issues and Trends Towards Resilient and Energy Efficient Embedded Electronic Systems

Date: Wednesday, December 14, 2016
Time: 10:30 - 12:10
Room: Auric-1
Chair(s): Maurizio Valle; *University of Genova , Italy*
Ali Ibrahim; *University of Genova , Italy*

C1L-B Noise and Variability Tolerant Design

Date: Wednesday, December 14, 2016
Time: 10:30 - 12:10
Room: Apollinaire-1
Chair(s): Maurits Ortmanns; *University of Ulm, Germany*
Yann Deval; *IMS Bordeaux, France*

C1L-C High-speed Circuits & Techniques

Date: Wednesday, December 14, 2016
Time: 10:30 - 12:10
Room: Auric-2
Chair(s): Johan Bauwelinck; *Ghent University (Belgium)*
Domenico Zito; *Aarhus University*

C1L-D Nonlinear Circuits and Systems

Date: Wednesday, December 14, 2016
Time: 10:30 - 12:10
Room: Apollinaire-2
Chair(s): Ivan Grech; *University of Malta*

C1L-E CAD and Optimization

Date: Wednesday, December 14, 2016
Time: 10:30 - 12:10
Room: Auric-3
Chair(s): Ricardo Reis; *UFRGS, Brazil*

C2P-F VLSI

Date: Wednesday, December 14, 2016
Time: 14:00 - 15:00
Room: Poster Area 1
Chair(s): Mathieu Thevenin; *CEA France*

C2P-G Green and Harvesting Energy

Date: Wednesday, December 14, 2016
Time: 14:00 - 15:00
Room: Poster Area 2
Chair(s): Alessandro Cabrini; *University of Pavia (Italy)*
Edoardo Bonizzoni; *University of Pavia (Italy)*

C2P-H Signal Processing Circuits

Date: Wednesday, December 14, 2016
Time: 14:00 - 15:00
Room: Poster Area 3
Chair(s): Mounir Boukadoum; *UQAM, Canada*

C2P-J RF Techniques

Date: Wednesday, December 14, 2016
Time: 14:00 - 15:00
Room: Poster Area 4
Chair(s): Luca Aluigi; *ASK (Italy)*
Domenico Pepe; *Univ. of Modena & Reggio E. (Italy)*

C2P-K Image and Video Processing

Date: Wednesday, December 14, 2016
Time: 14:00 - 15:00
Room: Poster Area 5
Chair(s): Eduardo Costa; *UCPEL (Brasil)*
Jose Guntzel; *UFSC (Brasil)*

C3L-A Embedded Systems Architecture

Date: Wednesday, December 14, 2016
Time: 15:30 - 17:10
Room: Auric-2
Chair(s): Sergio Bampi; *UFRGS (BR)*
Sara Ghoreishizadeh

C3L-B Analog Functional Blocks

Date: Wednesday, December 14, 2016
Time: 15:30 - 17:10
Room: Auric-3
Chair(s): Herve Barthelemy; *Université de Toulon*

C3L-C SS8. Electronic Interfaces of Heterogeneous Miniatures Systems for Smart Autonomous Sensors

Date: Wednesday, December 14, 2016
Time: 15:30 - 17:10
Room: Auric-1
Chair(s): Dimitri Galayko; *UPMC-Sorbonne, LIP6, France*

C3L-E Design and Test

Date: Wednesday, December 14, 2016
Time: 15:30 - 17:10
Room: Apollinaire-1
Chair(s): Patrick Girard; *LIRMM, France*