Final Program

**April 1st, 2019**

8.00 Registration
8.40 Opening by A. Baschirotto (AACD 2019 Chairman) and M. C. Messa (Rector of University of Milano-Bicocca)

**Next-Generation ADCs – Chairman: Kofi Makinwa (TU Delft – The Netherlands)**

9.00 G. Manganaro (Analog Devices, USA), "Emerging ADCs"
9.45 S. Li, J. Liu, W. Guo, N. Sun (University of Texas at Austin, USA), "Noise-Shaping SAR ADCs"
10.30 Coffee Break
11.00 P. Vogelmann, Y. Luo, M. A. Mokhtar, M. Ortmanns (University of Ulm, Germany), "Efficient High-Resolution Nyquist ADCs"
11.45 M. Bolatkale (NXP Semiconductors, The Netherlands), "Continuous-Time ADCs for Automotive Applications"
12.30 Lunch Break
14.00 S. Pavan (IIIT Madras, India), "Continuous-Time Delta-Sigma Converters with Finite-Impulse-Response (FIR) Feedback"
15.30 Coffee Break
16.00 Panel Discussion
19.00 Museum Social Event at Museo Nazionale Scienza e Tecnologia “Leonardo da Vinci”

**April 2nd, 2019**

High-Performance Power Management – Chairman: Pieter Harpe (TU Eindhoven – The Netherlands)

9.00 N. Butzen, M. Steyaert (KU Leuven, Belgium), "Advanced Multiplexing: Pushing the Limits of Fully Integrated Switched-Capacitor Converters"
9.45 J. Wittmann, F. Cannillo, D. Ciomaga, M. Jefremow, F. Rigoni (Dialog Semiconductor, Germany), "Highly-Efficient Power Management in Wearables and IoT Devices"
10.30 Coffee Break
11.00 M. Kashmin (Bosch, USA), "Current Sensing Techniques: Principles and Readouts"
11.45 C. M. Zetterling, S. Kargarraz, M. Shakir (KTH, Sweden), "Wide Bandgap Integrated Circuits for High Power Management in Extreme Environments"
12.30 AACD 2020 Presentation
12.40 Lunch Break
14.00 J. Thoné, M. Wens (MindCet, Belgium), "On the Limits of Driving Wide-Bandgap Transistors"
15.30 Coffee Break
16.00 Panel Discussion
19.30 Gala Dinner at Pavarotti Milano Restaurant Museum

**April 3rd, 2019**

Technology Considerations for Advanced IC – Chairman: Andrea Baschirotto (University of Milano-Bicocca – Italy)

9.00 B. Chandhoke (GlobalFoundries, USA), "Silicon Technologies for the Next Age of Wireless Connectivity"
9.45 M. Pagani, P. Rossi, R. Lombardi (Huawei, Italy), "IC Technologies for mm-Wave Applications"
10.30 Coffee Break
11.00 A. Onetti (STMicroelectronics, Italy), "Accuracy: The Next Opportunity for MEMS"
11.45 A. Laville, M. Pardoen, G. Close, M. Pozzant, D. Germa (Melexis, Switzerland), "Robustness, Reliability and Diagnostic Aspects in Sensors for Automotive Applications: The Magnetic Sensors Case"
12.30 Lunch Break
14.00 U. Gatti, C. Calligaro (RedCat Devices, Italy), "Rad-Hard Mixed-Signal IC Design, Theory and Implementation"
14.45 M. De Matteis, C. Enz, S. Mattiazio, A. Pipino, F. Resta, A. Baschirotto (University of Milano-Bicocca, Italy), "1-GRad-TID Effects in 28-nm Device Study for Rad-Hard Analog Design"
15.30 Panel Discussion

**AACD 2019 Organization**

Scientific Committee
Andrea Baschirotto, University of Milano-Bicocca (Italy)
Pieter Harpe, TU Eindhoven (The Netherlands)
Kofi Makinwa, TU Delft (The Netherlands)

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