EPFL
The Ecole Polytechnique Fédérale de Lausanne (EPFL) was founded in 1853 and became a national school in 1969. It is considered to be among the world’s most prestigious universities of technology.

Microcity, inaugurated in 2014, is the new building of the Institute of Microengineering of EPFL in Neuchâtel. It also houses the entrepreneurs of the Neode Science Park. Microcity is part of the EPFL’s strategy to bring research activities closer to industrial interests at all stage of the innovation process. Three of the eleven EPFL chairs of Microcity are funded by high-end watchmaker industries.

CSEM
CSEM is one of Europe’s leading low power ASIC design providers. With roots in the Swiss watch industry, CSEM is today an acknowledged reference in the fields of ultra low power and low-voltage analog, digital and mixed-signal ASIC design. Our expert designers have proven experience in translating customer requirements into high-quality ASIC designs to optimize cost, performance and time-to-market in close cooperation with the customer. Served markets include medical, industrial, consumer, home automation and automated meter reading.
AACD 2015

About the AACD
The AACD workshops are a high quality series of events held annually since 1992. The aim of the AACD workshops is to bring together a large group of people working at the frontiers of analog circuit design to study and discuss possibilities and future developments.

AACD 2015
The 24th edition of the AACD workshop will take place in Micropcity in Neuchâtel, Switzerland, from April 21st to April 23rd, 2015, and will cover the following topics:
- Efficient Sensor Interfaces
- Advanced Amplifiers
- Low Power RF Systems

Registration
Early bird registration deadline is fixed to March 27th, 2015. Registration and payment must be done on the AACD website by credit card or Postfinance card.

Accommodation
Several hotel rooms have already been reserved for the workshop participants. Information, prices and contacts are listed on the AACD website.

Venue
Neuchâtel is easily reachable by plane or by train from anywhere in Europe. Direct trains to Neuchâtel station leave approximately every hour from Geneva Airport and Zurich Airport.

Micropcity is 1km (less than 10 minutes walking) from Neuchâtel train station and is reachable by public transports.

Contact
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+41 (0)21 695 43 43

For more information, visit http://aacd2015.epfl.ch

aacd2015.epfl.ch - www.aacd.ws

Welcome to Neuchâtel

About Neuchâtel
Neuchâtel is located on the northwestern shore of the Lake of Neuchâtel, in West Switzerland. On the side of the Jura Mountains, the environment is characterized by remote, windswept settlements and deep, rugged valleys. Neuchâtel is also in the heartland of the celebrated Swiss watchmaking industry.

Program

April 21st, 2015
Efficient Sensor Interfaces
Chairman: Kofi Makinwa
- Micropower Incremental ADCs
  D. Chen and G. Temes (Oregon State University, USA)
- Smart-DEM for Energy-Efficient Incremental ADCs
  E. Bonizzoni (University of Pavia, Italy)
- Energy-Efficient CDCs for Millimeter Sensor Nodes
  D. Blaauw (University of Michigan, USA)

- Low-Power Biomedical Interfaces
  F. Yazicioglu (imec, Belgium)

April 22nd, 2015
Advanced Amplifiers
Chairman: Andrea Baschirotto
- Opamps, Gm-Blocks or Inverters?
  W. Sansen (KU Leuven, Belgium)
- Linearization Techniques for Push-Pull Amplifiers
  R. Castello (University of Pavia, Italy)
- Design and Technology for Very High-Voltage Opamps
  G. Ricotti (STMicroelectronics, Italy)
- Advances in Low-Offset Opamps
  Q. Fan (Maxim, Belgium)
- Ultra-Low-Power Low-Voltage Capacitive Preamplifiers for Audio Applications, O. Nys (Semtech, Switzerland)
- Amplifier Designs for the Higgs Boson Search
  J. Kaplon and W. Snoeys (CERN, Switzerland)

April 23rd, 2015
Low Power RF Systems
Chairman: Pieter Harpe
- PLL-free, High Data Rate Frequency Synthesizers for Ultra-Low Powered WSN Radios, R. Thirunarayanan (EPFL/CSEM)
- Ultra-Low-Power Wireless SoC Design for Wearable BAN
  A. Wong (Toumaz Group, UK)
- Towards Low Power N-path Filters for Flexible RF-Channel Selection, E. Klumperink (Univ. of Twente, Netherlands)
- Efficiency Enhancement Techniques for RF and mm-Wave Power Amplifiers, P. Reynaert (KU Leuven, Belgium)
- Energy-Efficient Phase-Domain RF Receivers for Wearable WPAN Applications, Y.-H. Liu (Holst Centre - imec, Netherlands)
- A Low-Power Versatile CMOS Transceiver for Automotive Applications, J. Chabloz (Melexis, Switzerland)