

Micro Energy 2017



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ITALY CHAPTER

International Conference

3 – 7 July, 2017 – Gubbio, Italy

Call for papers

The ambition of this international conference is to bring together international scientists from academia, research centres and industry to discuss recent development in the topic of micro energy and its use for powering sensing and communicating devices.

The conference topics include (but are not limited to) the following:

- **Session I – Micro energy harvesting:** energy transformation processes at micro and nano scales, mathematical models, harvesting efficiency, thermoelectric, photovoltaic, electrostatic, electrodynamic, piezoelectric, harvesting in biological systems, novel concepts in energy harvesting.
- **Session II – Micro energy dissipation:** noise and friction phenomena, fundamental limits in energy dissipation, Landauer bound, heat dissipation, thermodynamics of non-equilibrium systems, stochastic resonance and noise induced phenomena.
- **Session III – Micro energy storage:** high performance batteries, super capacitors, micro-fuel cells, non-conventional storage systems.
- **Session IV – Micro energy use:** autonomous wireless sensors, zero-power computing, zero-power sensing, IoT, approximate computing, energy aware software, transient computing.

Important deadlines (2017)

- Abstract submission: **1st Mar**
- Acceptance: **15th Mar**
- Early registration: **15th Apr**
- Final registration: **15th May**

Conference chair: L. Gammaitoni, NiPS Laboratory - University of Perugia

Scientific Committee: D. Paul (Glasgow Univ.), K.G. Larsen (Aalborg Univ.), J. Gallager (Roskilde Univ.), G. Fagas, (Tyndall), D.A. Atienza (EPFL), T. Bourouina (ESIEE), A. Bulsara (SPAWAR), A. Kestelman (BSC), K. Eder (Bristol Univ.), S. Baglio (Catania Univ.), L. Benini (ETH), F. Gonzales-Zalba (Hitachi Cambridge Lab.), L. Angrisani (Napoli Univ.), F. Ambroglini (Wisepower srl), V. Heuveline (Heidelberg Univ.).

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