

NiPS Summer School 2011

Summer School "Energy Harvesting at micro and nanoscale", Aug. 1-4
Workshop "Energy management at micro and nanoscale", Aug. 4-5
Perugia (Italy)

Workshop Program

August 4th Chair: Lukas Worschech

- 15.30 – 16.00 **Janos Volk** Energy harvesting using ZnO nanowires
- 16.00 – 16.30 **Fabian Hartmann** Noise induced and enhanced signal processing in nanoelectronic
- 16.30 – 17.00 Coffee break
- 17.00 – 17.30 **Björn Sothmann** Effect of intrinsic noise on conductance
- 17.30 – 18.00 **Igor Neri** Environmental vibrations database for kinetic energy harvesting

August 5th Chair: Douglas Paul

- 9.30 – 10.00 **Ferre Llin** Nanoelectronic Thermoelectric Energy Generation
- 10.00 – 10.30 **Murat Gunes** Correct Measurement of Seebeck Coefficient and Resistivity
- 10.30 – 11.00 **Stefano Cecchi** Ge/SiGe Superlattices for Thermoelectric Applications
- 11.00 – 11.30 Coffee break
- 11.30 – 12.00 **Fabio Isa** SiGe heterostructures for optoelectronics applications
- 12.00 – 12.30 **Francesco Orfei** Energy management for hybrid autonomous transceivers
- 13.00 – 15.30 Lunch
- 15.30 – 16.00 **Valeria Nico and Davide Chiucchiù** Kinetic Energy storage with microoscillators
- 16.00 – 16.30 **Emigdio Chàvez** Relaxation rate in ultra thin silicon membrane

17.15 Departure for visit to the **Galleria Nazionale dell'Umbria** and **Gala Dinner** in Perugia