NiPS Summer School 2011 August 1-6

Summer School: "Energy Harvesting at micro and nanoscale"

Workshop: "Energy management at micro and nanoscale"



NiPS Laboratory



The Noise in Physical System Laboratory organizes the second edition of NiPS Summer School devoted to "Energy Harvesting at micro and nanoscale" and the Workshop "Energy management at micro and nanoscale".

The school, supported by the EC Fet Proactive project NANOPOWER and by the Coordination and Support Action ZEROPOWER, is open to graduate students, post-docs, young researchers, and in general to all scientists interested in the physical foundations and practical applications of energy harvesting at micro and nanoscale. As part of the school there is a two days workshop where the students and external participants can present the result of their research. The workshop covers a wider range of subjects under the title of "Energy management at micro and nanoscale" and is open to contributions.



For information and registration

website: www.nipslab.org/summerschool

email: school@nipslab.org

Topics

Introduction to energy harvesting (EH) Linear and non-linear vibration harvesting Thermoelectric efficiency Noise rectification Phonon engineering for EH MEMS/NEMS design and realization Micro/Nano devices for EH ICT applications of EH Future technological trends: beyond CMOS technology and energy efficiency

General Program

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Aug. 1:	
13.00-14.30	Welcome Lunch
15.00	Presentation
15.30 -18.30	Lectures
Aug. 2- Aug. 3:	Lectures
Aug. 4:	
9.00-13.00	Lectures
15.00 - 19.00	Workshop
Aug. 5:	Workshop
20.30	Gala dinner
Aug. 6:	Departure

Scientific Director

Luca Gammaitoni Dipartimento di Fisica, Università di Perugia





