

NiPS Summer School 2012

Summer School "Energy harvesting at micro and nanoscales", July 23-26
Workshop "Energy harvesting: models and applications", July 27

Workshop Program - July 27th

Chair: Douglas Paul

9.00 – 9.30	Teresa Emery	Fabrication of bi-stable MEMS devices for energy harvesting
9.30 – 10.00	Miquel López-Suárez	MEMS based wide-band energy harvesting: a non linear approach
10.00 – 10.30	Nima Tolou	Carbon-nanotube-forest-based MEMS
10.30 – 11.00	Eric Yeatman	Miniature motion energy harvesters with rotating mechanisms
11.00 – 11.30		Coffee break
11.30 – 12.00	Chunyan Luan	Hydrothermal growth of ZnO nanorods and their decoration with CdSe and CdS quantum dots for photovoltaic applications
12.00 – 12.30	Mohsin Saleemi	Synthesis of bulk nanostructured Bismuth Telluride (Bi ₂ Te ₃) by co precipitation and sintered by spark plasma
12.30 – 13.00	Igor Neri	Real vibrations: a large, contributed vibration database
13.00 – 15.30		Lunch
15.30 – 16.00	Sergio P. Pellegrini	Application of bond graph modeling to energy harvesting
16.00 – 16.30	Sweta Bhansali	Large thermoelectric figure of merit of lightly doped Nb: SrTiO ₃ thin films
16.30 – 17.00	Loredana Latterini	Preparation and characterization of colloidal nanoparticles interacting with visible light
17.00 – 17.30		Coffee break
17.30 – 18.00	Philipp Mensch	Measurement of thermoelectric power of doped InAs nanowires
18.00 – 18.30	Björn Sothmann	Magnon-driven quantum-dot heat engine
18.30 – 19.00	Vittorio Ferrari	Bandwidth broadening in piezoelectric energy harvesting from vibrations