

ENHANCE Introductory School - Agenda

May 16-18 2018, Besançon, France

Wednesday

09.00 - 11.00 am Dr. A. Bartasyte	Lecture's focus topics: Tensors, piezoelectricity, introduction to symmetry, tensor's physical properties, piezoelectricity and ferroelectricity in bulk materials	
11.00 - 12.30 pm Dr. A. Bartasyte	Piezoelectric thin films and their characterization	Lecture's focus topics: Piezoelectric thin films & nanostructures. Fabrication methods, structural and physical properties
01.30 - 7.00 pm Prof. P. Muralt		Lecture's focus topics: Piezoelectric thin films growth methods, characterization methods

Lunch: 12.30 - 01.30pm

Thursday

09.00 - 12.30 pm 01.30 - 02.30 pm Prof. P. Muralt	Lecture's focus topics: Piezoelectric transduction - vibrational energy harvesting by piezoelectric materials. Measurement of coupling in MEMS structures	
02.30 - 05.30 pm Dr. M. Lallart	Lecture's focus topics: Advanced electronic solutions for energy harvesting	
05.30 - 7.00 pm Prof. P. Mitcheson	Lecture's focus topics: Basic introduction to energy harvesting circuits and vibrational energy harvesting systems (Part 1)	

Lunch: 12.30 - 01.30pm

Friday

09.00 - 10.30 am Prof. P. Mitcheson	Lecture's focus topics: Basic introduction to energy harvesting circuits and vibrational energy harvesting systems (Part 2)	
10.30 - 12.30 pm 01.30 - 03.00 pm Prof. P. Mitcheson	Lecture's focus topics: Introduction to low power electronics for PiVEHs	
03.00 - 4.30 pm Dr. M. Rakotondrabe	Lecture's focus topics: Design & mechanical modelling using automatics and control tools	

Lunch: 12.30 - 01.30pm