



Smart materials and nanostructures

Lecturer: Prof. Fabrizio Scarpa (University of Bristol, United Kingdom)

Course description:

Short course on smart materials and structures (piezoelectrics, shape memory alloy, MR, auxetics) and nanostructures variants (from grapheme to ZnO, BN and GaN systems)

Syllabus of the lecture subjects (enlisted):

1. Introduction to smart materials
2. Piezoelectrics, shape memory alloy, magnetorheological systems
3. Auxetics and morphing systems
4. Computational aspects of smart microcomposites
5. Smart foams and porous materials
6. C-based, BN, ZnO and GaN Nanostructures

TERMINY WYKŁADÓW			
Data	Dzień tygodnia	Godzina	Sala
2014-01-20	poniedziałek	17-20	2/07 Centrum Nanotechnologii
2014-01-21	wtorek	14-17	2/07 Centrum Nanotechnologii
2014-01-22	środa	14-17	2/07 Centrum Nanotechnologii
2014-01-23	czwartek	15-18	2/07 Centrum Nanotechnologii
2014-01-24	piątek	14-17	3/06 Centrum Nanotechnologii