



## 13th European Doctoral School on Metamaterials

### Fabrication and optical properties of nanostructured metamaterials

Rethymnon (Crete), Greece, June 12-13, 2009

#### Program:

##### *Friday 12*

Hour	Topic	Lecturer
15:00 - 16:00	Photonic Metamaterials: Progress and challenges I	V. Shalaev
16:00 - 16:15	Small break	
16:15 - 17:00	Photonic Metamaterials: Progress and challenges II	V. Shalaev
17:00 - 17:30	Coffee break	
17:30 - 18:30	Introductory overview of various fabrication technologies for photonic metamaterials	A. Boltasseva
18:30 - 18:45	Small break	
18:45 - 19:30	Advanced nanoimprint lithography for 3D photonic structures	C. Sotomayor
19:30 - 19:45	Small break	
19:45 - 20:30	Self-organization approach to metamaterials	D. Pawlak

##### *Saturday 13*

Hour	Topic	Lecturer
08:45 - 09:45	Terahertz metamaterials: Fabrication, characterization and applications	W. Padilla
09:45 - 10:30	Metamaterials: Definitions, limitations, chirality and bi-anisotropy	S. Tretyakov
10:30 - 11:00	Coffee break	
11:00 - 12:00	Dynamic analytical modelling of metamaterials	C. Simovski
12:00 - 13:00	Effective medium modelling of plasmonic metamaterials	G. Shvets
13:00 - 15:00	Lunch	
15:00 - 15:45	Optics of active metamaterials	A. Sarychev
15:45 - 16:00	Small break	
16:00 - 17:00	Experimental characterization techniques for nanostructured metamaterials	H. Giessen
17:00 - 17:15	Small break	
17:15 - 18:00	Measurements of optical properties of nanostructured metamaterials	N. Feth
18:00 - 18:15	Small break	
18:15 - 19:00	Round-table discussion with all lecturers	