



23th European Doctoral School on Metamaterials

Bottom-up fabrication of metamaterials

Bordeaux, France, September 20-21, 2013

Program:

Friday 20

Hour	Topic	Lecturer
08:00 - 09:00	Registration	
09:00 - 09:15	Welcome and outline of the school	P. Barois
09:15 - 10:15	Why a bottom-up approach of metamaterials?	T. Burgi
10:15 - 10:45	Coffee break	
10:45 - 12:15	Capabilities offered by chemistry and nanochemistry for the mass synthesis of engineered resonators for visible light and THz frequencies	M. Treguer
12:30 - 14:00	Lunch	
14:00 - 15:30	Microfluidics technology for self-assembly of meta-atoms	J. Leng
15:30 - 16:30	Disorder in self-assembled materials and metamaterials	A. Aradian
16:30 - 17:00	Coffee break	
17:00 - 18:00	Numerical approach of disordered materials	M. Albani

Saturday 21

Hour	Topic	Lecturer
09:00 - 10:00	What materials science can give to metamaterials and what metamaterials can give to materials science?	D. Pawlak
10:00 - 11:00	Self assembly of meta-atoms by specific ligands like DNA	A. Kuzyk
11:00 - 11:30	Coffee break	
11:30 - 12:30	Optical properties of bottom-up metamaterials	J. Baumberg
12:30 - 13:30	Round table and closing ceremony	
13:30 - 15:00	Lunch	