



## 21th European Doctoral School on Metamaterials

### Tunable and reconfigurable metamaterials

St. Petersburg, Russia, September 21-22, 2012

#### Program:

##### *Friday 21*

Hour	Topic	Lecturer
08:00 - 09:00	Registration	
09:00 - 09:15	Welcome and outline of the school	I. Vendik
09:15 - 10:45	Graphene and extreme metamaterials	N. Engheta
10:45 - 11:15	Coffee Break	
11:15 - 12:45	High-impedance surfaces: modeling, tuning, applications	K. Simovski
13:00 - 14:30	Lunch	
14:30 - 16:00	Metamaterial tunability via liquid crystals with respect to ferroelectric and semiconductor technologies	D. Lippens
16:00 - 16:30	Coffee Break	
16:30 - 18:00	Metamaterial antennas for embedded aeronautic systems	H. Ouslimani
18:00 - 20:00	Self-study	

##### *Saturday 22*

Hour	Topic	Lecturer
09:00 - 10:00	Superconducting metamaterial and plasmonics	V. Fedotov
10:00 - 11:00	Tunable magnonic crystals and artificial multiferroics: linear and nonlinear microwave properties	B. Kalinikos
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Tunable and reconfigurable THz metamaterials	I. Vendik
12:30 - 13:30	Round table and closing ceremony	
13:30 - 15:00	Lunch	
15:30 - 20:00	Social Event and Dinner	