

**November 24-28, 2014** in Jena, Germany

## Preliminary program

### ➤ **Sunday, November 23, 7 pm**

Arrival dinner at *Restaurant Versilia*, Wagnergasse 5, 07743 Jena - [www.versilia-jena.de](http://www.versilia-jena.de)

**NOTE:** Please, indicate to the organizers ([carsten.rockstuhl@kit.edu](mailto:carsten.rockstuhl@kit.edu)) your participation to the dinner. **The dinner is not included in school registration fee.**

### ➤ **Monday, November 24**

Hour	Topic	Lecturer
08.30 – 09.00	Registration and arrival	
09.00 – 09.15	Opening remarks	
09.15 – 10.45	Introduction and theory of optical metamaterials	Ari Sihvola, Aalto University, Finland
10.45 – 11.15	Coffee break	
11.15 – 12.45	Geometry and light	Thomas Philbin University of Exeter, UK
12.45 – 14.00	Lunch	
14.00 – 15.30	Self-assembled optical metamaterials	Carsten Rockstuhl Karlsruhe Institute of Technology, Germany
15.30 – 16.00	Coffee break	
16.00 – 17.30	Tour through nano photonics research labs at the Friedrich Schiller University Jena	
18.00 – 20.00	Poster session with snacks and drinks	

### ➤ **Tuesday, November 25**

Hour	Topic	Lecturer
09.15 – 10.45	Fabrication and experimental characterization of complex optical metamaterials	Thomas Pertsch University Jena, Germany
10.45 – 11.15	Coffee break	
11.15 – 12.45	Modal theories for nanooptics	Philippe Lalanne, CNRS, Bordeaux, France
12.45 – 14.00	Lunch	
14.00 – 15.30	Perfect absorbers	Sergei Tretyakov, Aalto University, Finland
10.45 – 11.15	Coffee break	
16.00 – 17.30	Planarized metamaterials and lattice-based chirality	Andrea Alù, University of Austin, Texas, USA
19.00 -	School Dinner	

➤ **Wednesday, November 26**

Hour	Topic	Lecturer
9.00 – 12.00	Slot 1: Abbe Center of Photonics' Research Alumni Workshop, funded by the Alexander von Humboldt-Foundation  Slot 2: City tour / Excursion	t.b.a.
12.15 – 13.30	Lunch	
13.30 – 14.45	Quantum effects in nanoplasmonics	Javier Aizpurua, Donostia International Physics Center, Donostia-San Sebastian, Spain
14.45 – 15.00	Coffee break	
15.00 – 16.30	Scattering and cloaking using metamaterials and plasmonics	Andrea Alù, University of Austin, Texas, USA
16.30 – 16.45	Coffee break	
16.45 – 18.00	Photonic crystals - why the holes?	Thomas F. Krauss, University of York, UK

➤ **Thursday, November 27**

## International Symposium on Photonic Nanomaterials

### Keynote presentations given by

- ✓ Andrea Alù (University of Austin, Texas, USA) "Giant nonreciprocity and nonlinearity in optical metamaterials"
- ✓ Ari Sihvola (Aalto University, Finland) "Indefinite anisotropy: unpredicted consequences"
- ✓ Thomas Philbin (University of Exeter, UK) "Light control with passive and active electromagnetic materials"
- ✓ Sergei Tretyakov (Aalto University, Finland) "Novel Perfect Absorbers"
- ✓ Thomas F. Krauss (University of York, UK) "Engineering Gratings for Light Trapping"

More details on the program will be announced soon.

### Conference Dinner

➤ **Friday, November 28**

## International Symposium on Photonic Nanomaterials

### Keynote presentations given by

- ✓ Philippe Lalanne (CNRS, Bordeaux, France) "Coupling of light to plasmonic resonators"
- ✓ Javier Aizpurua (Donostia International Physics Center, Donostia-San Sebastian, Spain) "Nanooptics in subnanometric plasmonic gaps"

More details on the program will be announced soon.