



## Workshop on Structured light and its applications

**7-8<sup>th</sup> November 2022**

Virtual meeting organized by the Institute of Applied Physics, Friedrich Schiller University Jena, Germany

### Invited Speakers

Andrea Alù, **Plenary talk**  
(CUNY, USA)

Alessandro Alberucci  
(UniJena, Germany)

Andrea Blanco-Redondo  
(Nokia Bell Labs, USA)

Jeroen Beeckman  
(UGhent, Belgium)

Ileana-Cristina Benea-Chelmus  
(EPFL, Switzerland)

Jennifer Dionne  
(Stanford, USA)

Natalia Litchinitser  
(Duke Univ, USA)

Lorenzo Marrucci  
(Univ of Naples, Italy)

Stefan Nolte  
(UniJena, Germany)

Thomas Pertsch  
(UniJena, Germany)

The Friedrich Schiller University Jena is organizing a two-day workshop on structured light and its applications. The workshop aims to foster exchange of ideas and disseminate the state of the art in the field of structured light. By including different aspects of the vast field of structured light, the goal is to provide a comprehensive view on this exciting topic, to nurture new ideas by the meeting of specialists in different sub-fields, and eventually to pave the way to new collaborations between researchers with complementary expertise.

The workshop is intended both for established and young researchers -PhD students, early stage researchers and highly motivated Master students- who want either to learn how to exploit all the degrees of freedom of a light beam for their own research, or to find new ideas to pursue along their academic career.

**We invite submissions in the general area of structured light with topics including but not limited to:**

#### Sub-wavelength design of photonic devices

Optical angular momentum and its manipulation

#### Structured beams for optical tweezing

Complex polarization states for information processing in the classical and in the quantum regime

#### Geometric phase in optics

To register fill out the Google Forms using this [link](#) or through the QR code.

Participation in the following forms are possible: Oral presenter, Poster presenter or Attendee.

Oral and Poster presenters should submit a 300 words abstract after registering.

#### Spin-orbit interaction in photonics

Tunable beam shaping using liquid crystals

#### Optical metasurfaces for beam shaping

Nonlinear optics with structured beams

#### Light-matter interaction with structured beams



**Best Poster award sponsored by SPIE-OPTICA student chapter**

**When:** 7-8<sup>th</sup> Nov 2022

**Where:** Online

**Deadline:** 10<sup>th</sup> Sept 2022

### Organizers

Jisha Chandroth Pannian  
UniJena, Germany

Stefan Nolte

UniJena, Germany

Alessandro Alberucci

UniJena, Germany

**Website:** <https://www.iap.uni-jena.de/sla>

**Contact :** [jisha.chandroth.pannian@uni-jena.de](mailto:jisha.chandroth.pannian@uni-jena.de)