

TRR 142-Workshop
"Tailored Nonlinear Photonics"
11 + 12 November 2024

Venue "Hotel Schnitterhof", Bad Sassendorf



Monday, 11 November 2024

Time	Name	Topic
09:00-9:30		Accreditation

9:30-9:45	Thomas Zentgraf	Welcome - Agenda of the day - Brief report TRR 142
-----------	-----------------	--

9:45-10:45	Jan Sperling	Tutorial
10:45-11:00	Franziska Barkhausen	Entanglement between dependent degrees of freedom: quasi-particle correlations
11:00-11:15	Anton Samusev	Polariton nonlinearity probed by time-domain Brillouin scattering

11:15-11:45		Coffee Break
-------------	--	--------------

11:45-12:45	Ursula Wurstbauer	Moiré minibands, twist disorder and dense exciton ensembles in vdW stacks from optical spectroscopies
-------------	-------------------	---

12:45-13:45		Lunch
-------------	--	-------

13:45-14:00	Michael Braukmann, Dustin Siebert	Three-photon state generation with on-chip pump suppression in topological waveguides
14:00-14:15	Christian Beckmann	High-sensitivity white light supercontinuum spectroscopy
14:15-14:30	Timur Biktagirov	Topological defects in twisted carbon nanotubes: Efficient triplet-exciton traps and single-photon emitters
14:30-14:45	Nina Lange (Tim Bartley)	Cryogenic nonlinear optics in lithium niobate
14:45-15:00	Ioannis Caltzidis	Hot Atoms in Our Cool Network

15:00-15:30		Coffee Break
-------------	--	--------------

15:30-16:30	Sebastian Hofferberth	Rydberg Quantum Optics with Ultracold Ytterbium
-------------	-----------------------	---

16:45-18:45		Social Event (indoors): SURPRISE
-------------	--	----------------------------------

19:00		Dinner
-------	--	--------

TRR 142-Workshop
"Tailored Nonlinear Photonics"
11 + 12 November 2024

Venue "Hotel Schnitterhof", Bad Sassendorf



Tuesday, 12 November 2024

Time	Name	Topic
08:00-09:00		Breakfast
09:00-09:05	Thomas Zentgraf	Welcome back - Agenda of the day
9:05-9:20	Jan Sperling	Nonclassicality and entanglement in angular momentum degrees of light
9:20-9:35	Laura Padberg	Thin-film Lithium Niobate – Tool-Box
9:35-10:35	Martin Gärtner	Detecting quantum features of light and matter waves
10:35-11:00		Coffee Break - CHECK OUT OF YOUR ROOMS -
11:00-13:00		Poster Session 2h
12:00-13:00		Mitgliederversammlung 1h
13:00-14:00		Lunchbreak
14:00-15:00	Antonio Calà Lesina	Advances in computational meta-photonics and inverse design
15:00-15:15	Thomas Zentgraf	Award: Posters of the day - Presentation Concluding remarks
15:15		End of the workshop

Any questions, please contact:
 Dirk Waldhoff - 05251 60 2701