

Emerging Trends in Optics

CAMPUS HOUSE, Campusvej 1, Odense

Day 1, June 18th, 2025

8:30-9:30	Registration; coffee/tea with mini cakes	
9:30-9:50	Welcome: Sergey Bozhevolnyi	
Chair: Alexandra Boltasseva		
9:50-10:25	Vlad Shalaev	K: Extreme Space-Time Photonics
10:25-10:45	Andrei Lavrinenko	I: Nanostructured materials in sensing and nonlinear optics
10:45-11:05	Andrey Evlyukhin	I: From Plasmon Resonance to All-Dielectric Resonant Nanophotonics
11:05-11:35	Coffee break	
Chair: Vlad Shalaev		
11:35-12:10	Sergei Turitsyn	K: Telecom technologies for optical computing
12:10-12:30	Jacek Fiutowski	I: Integrating Nanoscale Imaging and Manipulation: Enhancing Precision in Chemical Analysis
12:30-12:50	Søren Raza	I: Discovering new high-refractive-index materials
12:50-13:50	Lunch	
Chair: Sergei Turitsyn		
13:50-14:25	Brian Vohnsen	K: Understanding Photoreceptor Optics for Refractive Design and Solutions to Combat Myopia
14:25-14:45	Nicolas Leitherer-Stenger	I: On-Demand Single-Photon Source at MIR frequencies using a cascaded quantum system
14:45-15:05	Sören im Sande	I: On-Chip Emitter-Coupled Meta-Optics for Versatile Photon Sources
15:05-15:25	Valentyn Volkov	I: hBN Nanophotonics: Anisotropy, High Refractive Index and UV-Range Advantages
15:25-15:55	Coffee break	
Chair: Brian Vohnsen		
15:55-16:30	Boris Chichkov	K: Laser Printing
16:30-16:50	Radu Malureanu	I: Advances in metasurfaces on fiber tips
16:50-17:10	Danylo Komisar	I: Reimaging Raman Spectroscopy: Unexplored Applications of a Classic Phenomenon
17:10-17:30	Christopher Andrew Dirdal	I: MEMS-actuated metasurfaces for scalable digital histopathology
18:00-21:00	Conference dinner at SDU Restaurant (near the main entrance to SDU)	

K = Keynote talk, I = Invited talk

Presentations in Sky room on the 14th floor

Posters and meal breaks on the 13th floor

Elevator code **224466**



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Day 2, June 19th, 2025

8:30-9:00	Registration; coffee/tea with mini cakes	
Chair: Andrei Lavrinenko		
9:00-9:35	N. Asger Mortensen	K: Mesoscopic electrodynamics, nonlocal response, and quantum corrections in surface-polariton systems
9:35-9:55	Christian Frydendahl	I: Nanophotonic applications of 2D materials
9:55-10:15	Sergejs Boroviks	I: Fantastic gold flakes and how to use them
10:15-10:35	Martin Thomaschewski	I: Ferroelectric nanophotonics: electro-optic active metasurfaces
10:35-11:05	Coffee break	
Chair: Andrey Evlyukhin		
11:05-11:40	Mark Brongersma	K: Metamaterials for Imaging of Texture and Tissue
11:40-12:00	Thomas Møller Søndergaard	I: Photonic crystals and gratings for the THz range
12:00-12:20	Manohar Chirumamilla	I: Thermophotovoltaics: Fundamental Limits, Current Performance, and Future Possibilities
12:20-13:20	Lunch	
Chair: Mark Brongersma		
13:20-13:55	Alain Dereux	K: Optimization of the emissivity for radiative cooling devices
13:55-14:15	Alex Huck	I: Quantum emitters, from level certification to sensing
14:15-14:35	Elizaveta Semenova	I: Efficient single-photon sources operating in the telecom C-Band
14:35-15:05	Coffee break	
Chair: Alain Dereux		
15:05-15:40	Alexandra Boltasseva	K: Tailorable photonic materials: From tunable devices to new physics
15:40-16:00	Yinhui Kan	I: Metaphotonics Empowered Single Photon Sources
16:00-16:35	Sergey Bozhevolnyi	K: Standing on the shoulders of giants

K = Keynote talk, I = Invited talk

Presentations in Sky room on the 14th floor

Posters and meal breaks on the 13th floor

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