

#	Presentation day	Author full name	Author affiliation	Title of presentation
1	Wednesday	Roel Hacking	Eindhoven University of Technology	Differentiable inverse design of 3D extruded catadioptric optical systems using neural network surface representations
3	Wednesday	Pieter Braam	Eindhoven University of Technology	An Inverse Method to Design a Freeform Two-Target Reflector System
3	Wednesday	Pieter Braam	Eindhoven University of Technology	An Inverse Method to Design a Freeform Two-Target Reflector System
5	Wednesday	Kumar Rishav	TU Delft	Global Optimization in Optical Design using assisted Saddle Point Detection
7	Wednesday	Maurits van der Heiden	TNO	Ghost signal from a photo acoustic signal from a wire in a water tank
9	Wednesday	Ton Koonen	Eindhoven University of Technology	Breaking the Barriers in Wireless Communication by Optical Beams - the NWO FREE programme
11	Wednesday	Diego Vargas Romero	Eindhoven University of Technology	Pitfalls in direct modulation of LEDs and lasers for Optical Wireless Communications
15	Wednesday	Léa Chaccour	Photonic Integration Group, Eindhoven University of Technology	Machine learning for integrated InP F-P laser failure prediction
17	Wednesday	Hanin Ayash	Eindhoven University of Technology	Achromatic Hybrid Metalens for Visible-NIR Wavelengths Using Inverse-Designed Bilayer Metasurfaces
19	Wednesday	Djero Peeters	Eindhoven University of Technology	Cross-Polarization Conversion and Extrinsic Chirality in Nonlocal Metasurfaces
21	Wednesday	Joost Scheers	Technische Universiteit Eindhoven	Meta-surfaces for etendue reduction in optical wireless communications.
23	Wednesday	Muhammad Irfan	Fizinių ir technologijos mokslų centras (FTMC)	Metasurface-Enabled Synthesis of Tunable Vortical Optical Needles
25	Wednesday	Aurèle Adam	TU Delft	Analysis of power coupling between metalens and antenna
27	Wednesday	August Joan Otto Röell	AMOLF	Understanding Information through a Decomposition into Poles and Zeros
29	Wednesday	Anne van Klinken	Eindhoven University of Technology	Mueller matrix scatterometry for metasurface metrology
33	Wednesday	Natalia Vakula	ARCNL	Computational Control of Speckles in Diffraction-based Overlay Metrology
35	Wednesday	Anubhav Paul	Delft University of Technology	Deep learning-enabled coherent Fourier scatterometry for 3D optical characterization of van der Waals materials
37	Wednesday	Pegah Asgari	Department of Cardiology, Biomedical Engineering, Erasmus MC	Imaging Collagen Fiber Orientation in Atherosclerotic Plaques with PS-OCT
39	Wednesday	Wei-Yun Lee	Delft University of Technology	Efficient Correction of Spatially Variant Aberrations in Coherent Imaging
41	Wednesday	Tuoyu Chen	AMOLF	Inverse design of high-Q nanocavities for strong light-matter interactions through resonance-locked topology optimization
43	Wednesday	Jesse Bückmann	Utrecht University	Photonic properties of icosahedral supraparticles
45	Wednesday	Mehmet Atif Durmus	University of Amsterdam	Nonlocal 2D Excitonic Metasurfaces for Active Wavefront Manipulation
47	Wednesday	Charly Bolhuis	University of Amsterdam	Spontaneous Emission Rate in Absorbing Inhomogeneous Media
49	Wednesday	Steven Verwer	AMOLF	Fano resonances in oligomerized gratings
53	Wednesday	Harmen Smedes	TU Delft	On-chip single-photon spectroscopy using a tunable photonic crystal cavity
55	Wednesday	Bram Heijnen	Eindhoven University of Technology	Real-time monitoring of electrochemical reactions by THz time-domain spectroscopy
59	Wednesday	Alexandru Mednicov	University of Groningen	Tuning the Reactivity of Ligand Exchange in PbS Quantum Dot Superlattices
61	Wednesday	Christian Anker Rosiek	AMOLF	Mechanical squeezing using nanophotonic optomechanical cavity
63	Wednesday	Naomi Spier	Eindhoven University of Technology	Certification of linear optical quantum state preparation
65	Wednesday	Ari Rolando Ortiz-Moreno	Saxion UAS	Modular Optoelectronics For Diamond NV Based Quantum Sensing
69	Wednesday	Daniel Nascimento-Duplat	University of Twente / Eindhoven University of Technology	Integrated SiN source architectures for quantum light generation and on-chip spectral control
71	Wednesday	Vincenzo Lamberti	Eindhoven University of Technology	Towards nanoparticle-amplified biosensing with integrated PhC
73	Wednesday	Rui Fang	Eindhoven University of Technology	Nonlinear Linewidth Compression in Micro-rings for Enhanced Optical biosensing
77	Wednesday	Hasan Yalcinoglu	Eindhoven University of Technology	Real Time Characterization of Nanoparticles in Solution Using Fiber-Tip Photonic Crystal Cavities
79	Wednesday	Fe Fan Li	Technische Universiteit Eindhoven	High-Resolution spectral sensors for multispectral read-out
81	Wednesday	Felix Leopold McCluskey	Eindhoven University of Technology	Refractive index sensing using multispectral readout
84	Wednesday	Saif Alomari	Eindhoven University of Technology	From Photons to Synapsis: Quantum-Dot Embedded RTD Photodetectors for Neuromorphic Applications

2	Thursday	Viola Spagnuolo	Nikhef Institute	Cooling down the cosmos: A cryogenic optical setup for coating thermal noise direct measurements in gravitational-wave science
4	Thursday	Roy van der Linden	Advanced Research Center for Nanolithography (ARCNL)	Control of high-harmonic generation using a three-color waveform synthesizer
6	Thursday	Xavier Attendu	Amsterdam UMC	Analytical Intralipid: Simulating optical properties in the dependent scattering regime
8	Thursday	Krystallis Tersis	Eindhoven University of Technology	Extending the Spectral Range of NIR Resonant-Cavity-Enhanced Photodetectors
10	Thursday	Cas J. C. Scheper	Eindhoven University of Technology	Non-destructive carrier density characterization of InP/InGaAs/InP PIN structures using THz-TDS
12	Thursday	Zizheng Li	TU Delft	Amorphous silicon carbide heterogeneous photonic integration platforms
14	Thursday	Salim Abdi	Eindhoven university of Technology- EE	Thermal Performance of AlN and hBN Materials as Heat Spreaders for InP UTC-PDs on Si
14	Thursday	Salim Abdi	TU/e	Thermal Performance of AlN and hBN Materials as Heat Spreaders for InP UTC-PDs on Si
16	Thursday	Riley te Morsche	Universiteit Twente	Integrated Brillouin Lasing in Foundry Si3N4
18	Thursday	Kehan Wang	Eindhoven University of Technology	Chiral Photoluminescence from Quasi-BIC Metasurfaces Enabled by Symmetry Breaking
20	Thursday	Lucas Roelf Leonardus Norg	Technische Universiteit Eindhoven	Metasurfaces towards single-molecule fluorescence enhancement
22	Thursday	Francesca Cussiol	Eindhoven University of Technology	Coma-Corrected Wide Field-of-View Metalens
24	Thursday	Zhiyu Chen	Eindhoven University of Technology	Random-phase metasurface-assisted optical phased arrays for large-FoV and high-resolution beam steering
26	Thursday	Yiming Liu	Delft University of Technology	Topology of image distortion fields driven by optical misalignment
28	Thursday	Valerii Brudanin	TU Delft	Spectral signal-to-noise ratio based aberrated OTF retrieval from structured illumination microscopy data
30	Thursday	Eline Vos	Imec the Netherlands	Impact of kernel and region of interest sizes on Speckle Plethysmography quality
32	Thursday	Ruud Jansen	University of Technology Eindhoven	Guided-Mode Resonance Gratings as Integrated Optical Metrology Targets for Inline Process Monitoring
34	Thursday	Junghoon Kim	Vrije Universiteit / Advanced Research Center for Nanolithography	Dispersion Compensation in Multispectral dark-field Digital Holographic Microscopy of Overlay Metrology
36	Thursday	Koen J.A. Martens	Department of Imaging Physics, TU Delft	Single-molecule microscopy on event-based sensors: model development and fitting
38	Thursday	Enya Berrevoets	Delft University of Technology	Vectorial Point Spread Function model for Oblique Plane light sheet microscopy
40	Thursday	Yanheng Mao, Zhu Zhang, and Allard P. Mosk	Nanophotonics, Debye Institute for Nanomaterials Science, Utrecht University	Opto-Iontronic Microscopy of Hydrogen Evolution in Nanoholes
42	Thursday	Ershad Mohammadi	University of Amsterdam	Active Control of Optical Diffraction Using Excitonic Gratings
44	Thursday	Yutong Wang	Delft University of Technology	Assessment of Fixed-Dipole Effects of Single Molecule Emitters in a Cryogenic 4Pi Microscope
46	Thursday	Martin P. van Exter	Leiden University	Magnetic-field sensors with NV centers in diamond and their dependence on optical and microwave power
48	Thursday	Jorik van de Groep	University of Amsterdam, Institute of Physics	Exciton Resonance Tuning in Dynamic 2D Metasurfaces
50	Thursday	Riccardo Farina	Eindhoven University of Technology	Heat Management in Hex-SiGe Nanowires for Silicon-Compatible Lasers
52	Thursday	Jeroen de Winter, Arnoud Marquart, Martyna Kamin	Delta Life Science	Small Molecule Intercations
54	Thursday	David van Houten	University of Amsterdam	Tracing Excitons to Single Photons: Ultrafast and Correlation Measurements in Exfoliated TMDC Monolayers
56	Thursday	Piyush Kaul	Eindhoven University of Technology	Photonic and Electronic Integration of Detectors for Wireless Optical Communication
58	Thursday	Willem L. Vos	ICOPS, PSN Chair, Department Applied Physics and Science Education, Eindhov	“Cartesian Light”: Photon Hopping on 3D Cavity Networks in Silicon Photonics
60	Thursday	Amna Ammar	University of Twente	Effect of Sample Thickness on Wavefront Shaping Enhancement in Plasmonic Scattering Structures
62	Thursday	Eitan Oksenberg	Single Quantum B.V.	Pushing The Limits of Mid-Wave Infrared Detection with Superconducting Nanowire Single-Photon Detectors
64	Thursday	Frank van der Ceelen	Delft University of Technology	Tuning background medium of Rachford-split Born series
66	Thursday	Yago Herrera Moreno de Acevedo, Federica Facchi	Single Quantum B.V.	A comprehensive polarization-response measurement of fractal SNSPDs
68	Thursday	Kunyuan Li	University of Twente	Boson sampling in a microring based spatiotemporally multiplexed interferometer
70	Thursday	Innes Lewontin Maxwell	Eindhoven University of Technology	A Quantum-Inspired Algorithm for Graph Isomorphism
72	Thursday	Kasun Dissanayake	Delft University of Technology	Advanced Fiber Optic Hydrogen Sensing for Leak Detection in Hydrogen Powered Aviation
74	Thursday	Katarzyna Szykula-Meurs	Maastricht University	Novel Raman Sensor for High-Resolution Detection of Small Spectral Shifts
76	Thursday	Marta Saccher	TNO	Towards high sensitivity photoacoustic imaging with Integrated Photonic Ultrasound Transducers
78	Thursday	Tristan Robert van Trikt	The Hague University of Applied Sciences	Experimental performance comparison of electric strain gauges and fiber Bragg grating sensors in composites under four-point bending.
80	Thursday	Philip Jacob	Eindhoven University of Technology	Near-infrared skin hydration measurements using an integrated multispectral sensor
82	Thursday	Max P. Sowinski	Delft University of Technology	Automated Online Monitoring of Smart Composite Structures using Integrated Fiber Optic Sensors
86	Thursday	Ferhat Hanife	Department of Photonics Science and Engineering, Graduate School of Natural	Tuning Imaging Resolution through Mirror Tilt in Mach-Zehnder Interferometric Microscopy: An Experimental and Numerical Study
88	Thursday	Daan Weltens	Eindhoven University of Technology	Mid-infrared hex-SiGe photodetector
90	Thursday	Ruben Schreurs	Eindhoven University of Technology	YAG:Ce Nanocrystals for Future μ -LED Technologies
92	Thursday	Boris de Jong	Utrecht University	Enhancing light absorption in nano-YAG:Ce through photonic design
94	Thursday	Liane van Halteren	Eindhoven University of Technology	Cryogenic Silicon-Photonics-Based Optical Interconnects for a Quantum Computer
96	Thursday	Gregorio Beltramo	Vrije Universiteit	Electro-optically tunable photonic integrated meta circuit for ultrafast and precise waveform shaping
98	Thursday	Michiel de Dood	Leiden University	To be determined