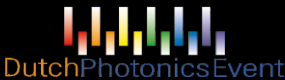


Event Program - 16 September 2026



08:30 Registration

10:00 Welcome

10:10 **PLENARY**
Andrea Alú - ASRC CUNY, USA
"Extreme Control of Light-Matter Interactions Through Broken Symmetries in Metasurfaces"

11:00 **PARALLEL SESSIONS**

LUMINOUS	DEXTER 1	DEXTER 2
Defense	Photonics for Communication	Advanced microscopy and biophotonics
Tamas Erkelens <i>"The importance of photonics and deep tech for the security of the Netherlands: why, what, and how entrepreneurs and researchers can contribute."</i> Bram Lap (NRL) <i>"Photonics in Airborne Defence Applications: status and outlook."</i> Remco den Breeje (Airbus) <i>"High-Data-Rate Defense Lasercom: Current Capabilities and Photonic Outlook."</i>	Martijn Heck (TU/e) <i>"PICs for communications - where is the laser."</i> Amna Riaz (Northumbria University) <i>"Gigabit-class free-space optical communication from a CubeSat-scale terminal: ground demonstration and performance characterisation."</i> Adam Taras (Leiden University) <i>"Freeform metasurfaces for adaptive optics through differentiable simulation."</i> Tjeerd Bollmann (Saxion University of Applied Science) <i>"Shine and Sign: Spatial-domain quantum-secure authentication and passive time-bin quantum communication."</i> Emily van Hese (Leiden University) <i>"Efficient receivers for satellite-to-ground free space optical communication using low-order hybrid turbulence mitigation technologies."</i>	Marloes Groot (VU) <i>"Clinical translation of higher harmonic generation microscopy for label-free intra-operative tissue diagnosis and treatment prediction."</i> Gijs Beekhuis (TU Delft) <i>"Single-molecule localization microscopy using re-scan confocal microscopy."</i> Max van Hemert (TU/e) <i>"Using spatiotemporal microscopy to study the thermal conductivity of Ti3C2Tx Mxene."</i> Warner J. Venstra (Quantified Air) <i>"Stabilization and control of water microdroplets using a fiberoptic interferometer"</i> Samuel John (TU/e) <i>"Reconfigurable THz chiral metasurfaces for molecular sensing."</i>

12:30 **Lunch**
Exhibition/ Job Fair / Poster Session

14:00 **PARALLEL SESSIONS**

LUMINOUS	DEXTER 1	DEXTER 2
AgriFood	Advanced instrumentation and Metrology	Photonic Information processing
Matthias Lautenschläger (PhytoPhotonik) <i>"From Light to Field: Photonics Driving Agriculture 4.0 and the Work of the Phytophotonik Network"</i> Lex Oosterveld (WUR) <i>"Agrifood Applications for Spectral Sensing Using on-Chip Tuneable Lasers"</i> Ian Howard (Zeiss) <i>"Spectroscopy-Driven Sensing in Smart Agriculture"</i>	Anna Green (Maastricht University) <i>"Shaping light to 'hear' the universe: optical design for next-generation gravitational-wave detection."</i> Jan-Brian Heinisch (Utrecht University) <i>"Ptychographic speckle-scan based imaging of 2D and 3D objects."</i> Masoumeh Goudarzi (TU/e) <i>"Wafer-scale optical scatterometry for quantitative inspection of periodic plasmonic nanostructures."</i> Sebastiaan Haffert (Leiden University) <i>Imaging extra-solar planets with the telescopes and instruments of tomorrow."</i> Eva Almeida (UvA) <i>"Inverse design of color-selective metasurfaces for building integrated photovoltaics."</i>	Christian Haffner (imec) <i>"Thin-Film SrTiO₃ for High-Performance Electro-Optic and Quantum Photonics."</i> Bernardo Dias (UvA) <i>"All-optical tunable analog computation using 2D materials."</i> Guy Verschaffelt (VU Brussels): <i>"Spatially multiplexed photonic Ising machines to solve complex optimization problems."</i> Sander A. Mann (UvA) <i>"A monolayer-semiconductor ultrafast all-optical switch."</i> Jelmer Renema (Quix Quantum /TU/e) <i>"Below-threshold error reduction in single photons through photon distillation."</i>

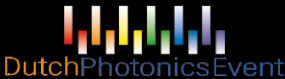
15:30 **Break**
Exhibition / Job Fair / Poster Session

LUMINOUS	FOYER
Free-Space Photonics	POSTER SESSION
Nieke ten Haaf (TNO) <i>Toward Quantum Communication via Space: Space-grading a PIC-Based Entangled Photon Source."</i> Roland Blok (Aircision) <i>"Free Space Optical Communication: high-speed, long-distance terrestrial communication."</i> Pascal van Grol (ValleyOptics) <i>"Integrated Software Platform Approach for Opto-Mechanical System Development."</i>	

17:30 **Networking Drinks**

19:30 **End**

Event Program - 17 September 2026



08:00 Registration

09:00 **PLENARY**
Imran Avci (VU/Rapid Photonics)
"Engineering Research into Real Impact"

09:45 **PLENARY**
Christine Silberhorn (Paderborn University, Germany)
"Photonic quantum technologies: from integrated quantum devices to designing large complex system"

10:30 **Break**
Exhibition / Job Fair / Poster Session

11:00 **PARALLEL SESSIONS**

LUMINOUS	DEXTER 1	DEXTER 2
Medical photonics Mireille Claessens (UTwente) <i>"Tracking the Parkinson's Protein α-Synuclein with Light: From Conformational Dynamics to Clinical Biomarker Detection"</i> Evelien Hermeling (imec) <i>"Decoding Physiology Through Speckles: New Opportunities for Photonics"</i> Marijn van OS <i>"Let's bring clarity to cancer"</i>	Quantum nanophotonics Pepijn Pinkse (UTwente) <i>"Quantum Photonics from Twente."</i> Menno Jansen (AMOLF) <i>"Laser cooling a mechanical resonator below the quantum backaction limit."</i> Mio Poortvliet (Leiden University) <i>"Single photons from an open optical microcavity in a closed-cycle cryostat."</i> Jie Ji (TU/e) <i>"Extended dipole-dipole energy transfer by nonlocal metasurfaces."</i> Frederik Baalbergen (Leiden University) <i>"Extracting photon-number information from superconducting nanowire single photon detector traces via mean-derivative projection."</i>	Nanophotonics for sensing and biology Sabina Caneva (TU Delft) <i>"Nanophotonic devices for Single-molecule Biophysics."</i> Koen Valk (TU/e) <i>"Plasmonic-photonic platform for single-molecule biosensing."</i> Ester Abram (VU) <i>"Going all-optical: Stimulating biological neurons at single-dendrite precision with photonic microchips optimized for 488 nm."</i> Arthur David Bouamra (TU/e) <i>"Photonic integrated circuits on fiber tips for lab-on-fiber sensing."</i> Dhyana Challeparambil Bharathan (UTwente) <i>"Sensitivity-enhanced optical fiber strain sensor based on the Vernier effect in a cascaded three-FBG Fabry-Perot configuration."</i>

12:30 **Lunch**
Exhibition/ Job Fair / Poster Session

LUMINOUS	FOYER
Metrology Sander den Hoedt (Delmic) <i>"Photons & electrons - nanoscale inspection in photonics"</i> Cees Links (SuperLight Photonics) <i>"Imaging and Metrology: unlocking higher precision with OCT."</i> Elbert van Putten (ASML) <i>"Optical Overlay Metrology for the Semiconductor Industry"</i>	POSTER SESSION

15:30 **Poster Session Award**

15:45 **Networking Drinks**

18:00 **End**