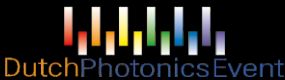


# Event Program - 16 September 2026



08:30 Registration

10:00 Welcome

10:10 **PLENARY**  
Andrea Alú - ASRC CUNY, USA  
*t.b.d.*

11:00 **PARALLEL SESSIONS**

| LUMINOUS                                                                                                          | DEXTER 1                                                                                                                                                                               | DEXTER 2                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Defense</b>                                                                                                    | <b>Photonics for Communication</b>                                                                                                                                                     | <b>Advanced microscopy and biophotonics</b>                                                                                                                            |
| Tamas Erkelens<br><i>t.b.a.</i>                                                                                   | Martijn Heck (TU/e)<br><i>"PICs for communications - where is the laser."</i>                                                                                                          | Marloes Groot (VU)<br><i>"Clinical translation of higher harmonic generation microscopy for label-free intra-operative tissue diagnosis and treatment prediction."</i> |
| Bram Lap (NRL)<br><i>"Photonics in Airborne Defence Applications: status and outlook."</i>                        | Amna Riaz (Northumbria University)<br><i>"Gigabit-class free-space optical communication from a CubeSat-scale terminal: ground demonstration and performance characterisation."</i>    | Gijs Beekhuis (TU Delft)<br><i>"Single-molecule localization microscopy using re-scan confocal microscopy."</i>                                                        |
| Remco den Breeje (Airbus)<br><i>"High-Data-Rate Defense Lasercom: Current Capabilities and Photonic Outlook."</i> | Adam Taras (Leiden University)<br><i>"Freeform metasurfaces for adaptive optics through differentiable simulation."</i>                                                                | Max van Hemert (TU/e)<br><i>"Using spatiotemporal microscopy to study the thermal conductivity of Ti3C2Tx Mxene."</i>                                                  |
|                                                                                                                   | Tjeerd Bollmann (Saxion University of Applied Science)<br><i>"Shine and Sign: Spatial-domain quantum-secure authentication and passive time-bin quantum communication."</i>            | Warner J. Venstra (Quantified Air)<br><i>"Stabilization and control of water microdroplets using a fiberoptic interferomete."</i>                                      |
|                                                                                                                   | Emily van Hese (Leiden University)<br><i>"Efficient receivers for satellite-to-ground free space optical communication using low-order hybrid turbulence mitigation technologies."</i> | Samuel John (TU/e)<br><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                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>AgriFood</b>                                                                                                                                      | <b>Advanced instrumentation and Metrology</b>                                                                                                         | <b>Photonic Information processing</b>                                                                                            |
| Lex Oosterveld (WUR)<br><i>"Agrifood Applications for Spectral Sensing Using on-Chip Tuneable Lasers"</i>                                            | Anna Green (Maastricht University)<br><i>"Shaping light to 'hear' the universe: optical design for next-generation gravitational-wave detection."</i> | Christian Haffner (imec)<br><i>"Thin-Film SrTiO<sub>3</sub> for High-Performance Electro-Optic and Quantum Photonics."</i>        |
| Matthias Lautenschaeger (PhytoPhotonik)<br><i>"From Light to Field: Photonics Driving Agriculture 4.0 and the Work of the Phytophotonik Network"</i> | Jan-Brian Heinisch (Utrecht University)<br><i>"Ptychographic speckle-scan based imaging of 2D and 3D objects."</i>                                    | Bernardo Dias (UvA)<br><i>"All-optical tunable analog computation using 2D materials."</i>                                        |
| Ian Howard (Zeiss)<br><i>"Spectroscopy-Driven Sensing in Smart Agriculture"</i>                                                                      | Masoumeh Goudarzi (TU/e)<br><i>"Wafer-scale optical scatterometry for quantitative inspection of periodic plasmonic nanostructures."</i>              | Guy Verschaffelt (VU Brussels):<br><i>"Spatially multiplexed photonic Ising machines to solve complex optimization problems."</i> |
|                                                                                                                                                      | Sebastiaan Haffert (Leiden University)<br><i>Imaging extra-solar planets with the telescopes and instruments of tomorrow."</i>                        | Sander A. Mann (UvA)<br><i>"A monolayer-semiconductor ultrafast all-optical switch."</i>                                          |
|                                                                                                                                                      | Eva Almeida (UvA)<br><i>"Inverse design of color-selective metasurfaces for building integrated photovoltaics."</i>                                   | Jelmer Renema (Quix Quantum /TU/e)<br><i>"Below-threshold error reduction in single photons through photon distillation."</i>     |

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

16:00

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

17:30 **Networking Drinks**

19:30 **End**

