

## Poster Session II Tuesday 16:00 – 17:30 CET

16	Mirco Kutas	Terahertz material characterization with visible photons
17	Arunava Majumder	Advances in Quantum Metrology for Precise Measurements
18	Arahata Masaya	A wavelength variable visible-infrared photon pair source via spontaneous parametric downconversion in the mid-infrared region
19	Alexander Mikhaylov	Two-photon excitations with time-energy entangled photon pairs
20	Yu Mukai	Complex transmittance measurements using quantum Fourier-transform infrared spectroscopy
21	Jens Arnbak Holbøll Nielsen	Phase sensing using with squeezed states of light
22	Raphael Nold	A Quantum Optical Microphone in the Audio Band
23	Sharam Panahiyan	Controllable discrete-time quantum walk with twisted light
24	Anna Paterova	Nonlinear interferometry for a broadband infrared sensing
25	Franz Roeder	Two-colour broadband $SU(1,1)$ – interferometry with dispersion engineered integrated PDC sources
26	László Ruppert	High-precision multiparameter estimation of mechanical force by quantum optomechanics
27	Philipp Stammer	High photon number entangled states and coherent state superposition from extreme-UV to far-IR

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|-----------|--------------------------------|--|
| <b>28</b> | Andres Vega                    | <b>Metasurface-assisted quantum ghost polarimetry</b>  |
| <b>29</b> | Andreas Volkmer                | <b>Towards QuantumCARS micro-spectroscopy: Interferometric hyperspectral CARS imaging based on broadband correlated photon pairs</b> |
| <b>30</b> | Venkata Jayasurya Yallapragada | <b>Exciton interactions in semiconductor nanocrystals uncovered by spectrally resolved photon counting</b>                           |
| <b>31</b> | Ivan Zorin                     | <b>Mid-infrared light for non-destructive testing</b>  |