

Meta-Active Annual meeting 2023

Program



Local program
@new Physics building

Germany / Australia

Wed, March 1st

16:00 welcome reception & Dinner

Badger & Co

08:30 / 18:30 Hybrid session with talks from PhD students & PostDocs

conference room /
Zoom

11:20 / 21:20 approximate end

Thu, March 2nd

9:00 Excursion to Tidbinbilla & lunch

13:30 Thomas Pertsch
*Meta-Active lecture: Nanostructured metasurfaces for
ultrafast and quantum applications**

conference room

14:30 Scientific group meetings

meeting rooms 2,3,4

17:00 Break / Dinner

8:00 / 18:00 Hybrid session with talks from PhD students & PostDocs

conference room /
Zoom

11:30 / 21:30 approximate end

Fri, March 3rd

09:00 strategy meeting (only PIs)

meeting room 4

10:00 Jinyong Ma

conference room

*Quantum nanophotonics with nonlinear metasurfaces**

10:40 Jihua Zhang

conference room

*Manipulation and characterization of photons with
metasurfaces**

12:00 Lunch

13:30 departure

**will be recorded*

local program

hybrid program

Click in the schedule for detailed program of hybrid sessions

Meta-Active Annual meeting:

Hybrid session March 1st



Germany / Australia

08:30	/	18:30	Welcome
08:45	/	18:45	Angela Barreda <i>All-dielectric metasurfaces for enhancing light-matter interaction</i>
09:00	/	19:00	Sarah Walden <i>Stimuli-Responsive Polymer Coated Metasurfaces</i>
09:10	/	19:10	Marijn Rikers <i>magnetic dipole interactions with dielectric metasurfaces</i>
09:25	/	19:25	break
09:40	/	19:40	Josephine Munro <i>Ultra-Thin Nano-Optics for Imaging from Satellites</i>
09:50	/	19:50	Dawei Liu <i>III-V nanowire LED integrated with metasurface</i>
10:05	/	20:05	Anjalie Edirisooriya <i>Observing Plasmon-Driven Hot Electron Transfer from Gold Nanoparticles to Molecules</i>
10:15	/	20:15	Ning Lyu <i>Gold nanoparticles coupled TiO2 thin layer for photocatalysis application</i>
10:30	/	20:30	break
10:45	/	20:45	Fengkai Wei <i>tba</i>

available online

available in person

Link to the hybrid session:

Meta-Active Annual meeting:

Hybrid session March 2nd



Germany / Australia

- | | | | |
|-------|---|-------|---|
| 8:00 | / | 18:00 | Ayesheh Bashiri
<i>Light-emitting and lasing all-dielectric metasurfaces</i> |
| 8:15 | / | 18:15 | Martin Miculka
<i>Nanolaminates for the second harmonic generation</i> |
| 8:25 | / | 18:25 | Ziwei Yang
<i>Bandwidth-Engineered Ultra-Fast Time-Variant Metasurfaces</i> |
| 8:40 | / | 18:40 | Max Beddoe
<i>Liquid-crystal tunable metasurfaces</i> |
| 8:50 | / | 18:50 | break |
| 9:05 | / | 19:05 | Neuton Li
<i>Inverse Designed Metasurfaces for High Efficiency Sum Frequency Generation</i> |
| 9:20 | / | 19:20 | Joshua Jordaan
<i>Inverse design of a large area multiwavelength metalens</i> |
| 9:30 | / | 19:30 | Laura Valencia
<i>Study of LiNbO3 Metasurfaces for Enhanced Optical Performance</i> |
| 9:45 | / | 19:45 | Khosro Zangheli Kamali
<i>Electrically programmable solid-state metasurfaces via flash localised heating</i> |
| 10:00 | / | 20:00 | Jinliang Ren
<i>Quantum imaging with photon pairs from a lithium niobate metasurface</i> |
| 10:10 | / | 20:10 | break/ buffer |
| 10:25 | / | 20:25 | Luyao Wang
<i>Anisotropic Electro-optic Metasurfaces</i> |
| 10:40 | / | 20:40 | Saniya Shinde
<i>Spontaneous Parametric Down Conversion in Metasurfaces</i> |
| 10:50 | / | 20:50 | Sarka Vavreckova
<i>High-temperature protection of gold nanostructures by ultrathin Al2O3 coatings</i> |
| 11:00 | / | 21:00 | Min Jiang
<i>Chiroptical sensing with tunable and broadband chiral metasurfaces</i> |
| 11:15 | / | 21:15 | Sebastian Klimmer
<i>Nonlinear all-optical coherent generation and read-out of valleys in atomically thin semiconductors</i> |

available online

available in person

Link to the hybrid session: