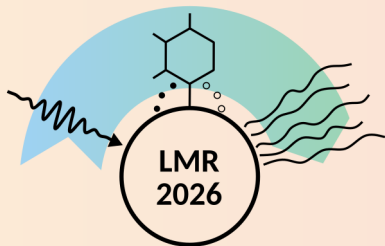


## Light.Metal.Reactions 2026

September 08 - 11, 2026 - University of Potsdam, Campus Neues Palais

Tuesday, September 08

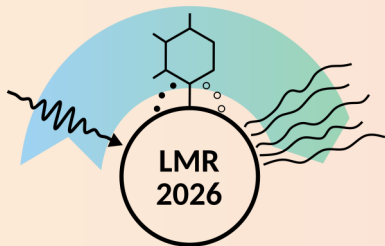
14:00	Lobby	Registration
14:45	Audimax	Opening by the organizers
15:00	Audimax	Keynote <b>Andrea Baldi</b> , Vrije Universitet Amsterdam, "TBA"
15:50	Audimax	Session <b>Plasmon-Driven Catalysis I</b>  15:50 <b>Vivek Polshettiwar</b> , Tata Institute of Fundamental Research, Mumbai, "LIGHT, HOT ELECTRONS and CO2 CONVERSION"  16:20 <b>Yoel Negrín Montecelo</b> , King's College London, "From Plasmons to Photocatalysis: Metal–Semiconductor Nanohybrids"  16:40 <b>Pramod Pillai</b> , Indian Institute of Science Education and Research, Pune, "Photoredox Catalysis with Visible light Using Quantum Dot-Sensitized Photon Upconversion"
17:00	Lobby	Coffee break
17:20	Audimax	Session <b>Plasmon-Driven Catalysis II</b>  17:20 <b>Priscila Vensaus</b> , EPFL, Lausanne, "Unraveling hot carrier processes for advancing plasmonic energy devices"  17:50 <b>Tannu Kaushik</b> , Indian Institute of Technology Bombay, "Plasmonic Gold Antenna–Copper Molecular Complex Reactor Assembly for Exclusive CO2 to Formate Conversion under White-Light Irradiation"  18:10 <b>Emiliano Cortés</b> , LMU Munich, "Plasmonic Control of Catalytic Reactivity"
18:45	Lobby	Welcome reception



## Light.Metal.Reactions 2026

### Wednesday, September 09

9:00	Audimax	Keynote  <b>Laura Na Liu</b> , University of Stuttgart, "TBA"
09:50	Audimax	Session <b>Preparation and Characterisation of Metal Nanostructures I</b>  09:50 <b>Isabel Pastorizia Santos</b> , University of Vigo, "TBA"  10:20 <b>Wiebke Albrecht</b> , AMOLF, "TBA"  10:40 <b>Lorenzo Maria Iacomini</b> , University of Turin, " <i>Facet-Controlled Gold Nanostructures for Plasmon-Driven Catalysis</i> "
11:00	Lobby	Coffee break
11:30	Audimax	Session <b>Photoinduced Processes</b>  11:30 <b>Wouter Koopman</b> , University of Potsdam, " <i>Capacitive Photocharging in Plasmon-Driven Catalysis</i> "  11:50 <b>Christian Rossner</b> , Leibniz Institute of Polymer Research Dresden, " <i>Photocatalysis at the gold surface and inside the polymer shell of polymer-grafted gold nanoparticles</i> "  12:10 <b>Arik Beck</b> , Karlsruhe Institute of Technology, " <i>Distinct Kinetic Signatures of Photodesorption from Metal Nanoparticles</i> "  12:30 <b>Paolo Giusto</b> , Max Planck Institute of Colloids and Interfaces, Potsdam, " <i>Carbon Nitride Thin Films for Light-Induced Catalysis</i> "
13:00	Refectory	Lunch
14:00	Lobby	<b>Poster Session I</b>
15:40	Audimax	Session <b>Modelling Metal Nanooptics</b>  15:40 <b>N. Asger Mortensen</b> , University of Southern Denmark, Odense M, " <i>Mesosopic electrodynamics at metal surfaces</i> "  16:10 <b>Ashwani Kumar Verma</b> , Politecnico di Torino, " <i>Collective Dipole-Multipole Oscillations and Nanometric Plasmon Rulers of End-to-End Oriented Gold Nanostar (AuNS) Dimers</i> "

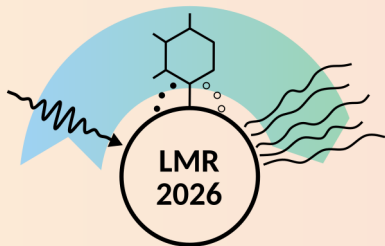


## Light.Metal.Reactions 2026

		16:30 <b>Gino Wegner</b> , Humboldt University of Berlin, <i>“Spectral tunability of localized surface plasmons on noble metals via shape and material”</i>
16:50	Lobby	Coffee break
17:20	Audimax	Session <b>Preparation and Characterisation of Metal Nanostructures II</b>
		17:20 <b>Emilie Ringe</b> , University of Cambridge, <i>“Nanoplasmonics with magnesium”</i>
		17:50 <b>Gail A. Vinnacombe-Willson</b> , CIC biomaGUNE (BRTA), Donostia-San Sebastián, <i>“Bottom-up in situ growth of gold nanoparticles in microfluidics and their application in cell models in vitro”</i>
		18:20 <b>Youngsoo Kim</b> , Yeungnam University, Gyeongsan, <i>“Recyclable Multi-Tip Au Nanostructures for Thermoplasmonic Organic Synthesis”</i>
19:30	Restaurant “Zur Historischen Mühle”	Conference Dinner

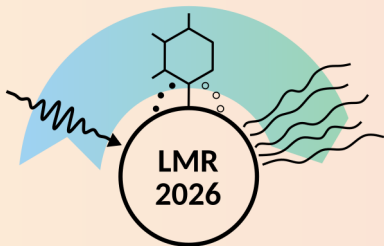
### Thursday, September 10

9:00	Audimax	Keynote
		<b>Christy Landes</b> , University of Illinois at Urbana-Champaign, “TBA”
09:50	Audimax	Session <b>Tailoring Nanostructures for Photoreactions</b>
		09:50 <b>Sangwoon Yoon</b> , Chung-Ang University, Seoul, <i>“Plasmon-Driven Phase Engineering of TiO<sub>2</sub> Nanoshells via Collective Thermal Accumulation in Plasmonic Core–Shell Nanoparticle Assemblies”</i>
		10:20 <b>Diptiranjan Paital</b> , King’s College London, <i>“Tailoring Plasmonic Heterojunctions for Synergistic Hot-Carrier and Photo-thermal Catalysis”</i>
		10:40 <b>Sergio Kogikoski Junior</b> , University of Potsdam, <i>“Not Always the Same: The Metal-Molecule Interactions in Gold and Silver Nanoparticles in Plasmonic reactions”</i>



## Light.Metal.Reactions 2026

11:00	Lobby	Coffee break
11:30	Audimax	<p>Session <b>Chirality in Plasmon-Driven Chemistry I</b></p> <p>11:30 <b>Jihyeon Yeom</b>, Korea Advanced Institute of Science and Technology, Daejeon, "TBA"</p> <p>12:00 <b>Dong-II Won</b>, Ewha Womans University, Seoul, "Polarization-Selective Efficient Hydrogen Evolution Reactions via Chiral Photocatalysis"</p> <p>12:20 <b>Ziwei Zhou</b>, Leibniz Institute of Polymer Research Dresden, "Tunable Plasmonic Chirality Enabled by Nanoparticle Chain Assemblies"</p> <p>12:40 <b>Antonio Carone</b>, Max Planck Institute of Colloids and Interfaces, Potsdam, "Bio-inspired self-assembled chiral architectures for plasmonics"</p>
13:10	Colonnade	Group picture
13:15	Refectory	Lunch
14:30	Audimax	<p>Session <b>Ultrafast Processes</b></p> <p>14:30 <b>Ivana Savic</b>, King's College London, "TBA"</p> <p>15:00 <b>Christian Brand</b>, University of Duisburg, "Ultrafast energy flow and enhanced non-equilibrium coupling among electrons and phonons in a Pb/Si nanoscale heterosystem "</p> <p>15:20 <b>Henry Snowden</b>, University of Göttingen, "Non-equilibrium electron dynamics in plasmonic photocatalytic biomaterials"</p> <p>15:40 <b>Guobin Miao</b>, Vrije Universiteit Amsterdam, "Pulsed Optical Excitation of Photothermal CO<sub>2</sub> Hydrogenation"</p>
16:00	Lobby	Coffee break
16:30	Audimax	<p>Session <b>Strong Light-Matter Coupling</b></p> <p>16:30 <b>Jussi Toppari</b>, University of Jyväskylä, "Polaritonic chemistry – polaritons or optical illusions"</p>



## Light.Metal.Reactions 2026

16:50 **Richard Gundermann**, University of Potsdam, *“Understanding Resonance-Enabled Polaritonic Control of Hydrogen Transfer Dynamics and Relaxation”*

17:10 **Gabriela Luna Amador**, Free University of Berlin, *“Engineering Losses through Light-Matter Coupling in Plasmonic Supercrystals”*

17:30 Lobby **Poster Session**

### Friday, September 11

9:00 Audimax Keynote

**Javier Aizpurua**, University of the Basque Country (UPV/EHU), *“Ultrafast dynamics of energetic carriers induced by optical pulses in plasmonic nanogaps and nanoparticles”*

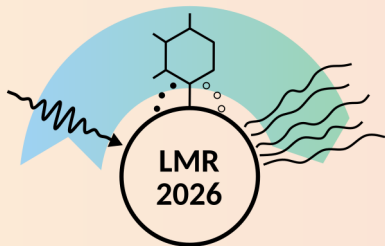
09:50 Audimax Session **Light-Driven Charge and Bond Dynamics at the Nanoscale**

09:50 **Annika Bande**, Leibniz University Hannover, *“Simulating Electron Dynamics at the Nanoscale”*

10:20 **Olivier Henrotte**, LMU Munich, *“Quantification of Light-Driven Charge Extraction in Plasmonic and Catalytic Metals “*

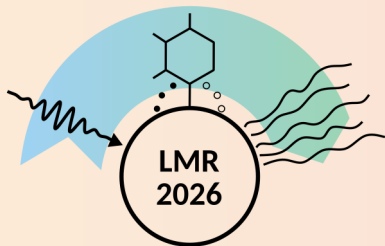
10:40 **Hyungjun Park**, University of Tokyo, *“Monitoring plasmon-induced stepwise C–O dissociation at the single-molecule level by scanning tunnelling microscopy”*

11:00 Lobby Coffee break



## Light.Metal.Reactions 2026

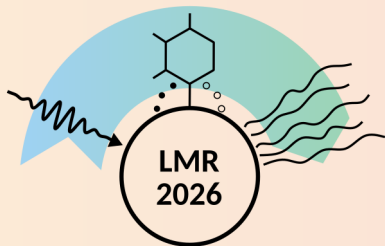
11:30	Audimax	<p>Session <b>Chirality in Plasmon-Driven Chemistry II</b></p> <p>11:30 <b>Lucas Vazquez Besteiro</b>, University of Vigo, <i>“A theoretical perspective on plasmonic photocatalysis and light-to-matter chirality transfer”</i></p> <p>12:00 <b>Yingying Cai</b>, Leibniz Institute of Polymer Research Dresden, <i>“Direct Printing of Chiral Plasmonic Nanocrystals with Modulated Chiroptical Responses from Conformal Semiconductive Layers”</i></p> <p>12:20 <b>JP Singh</b> Indian Institute of Technology, Delhi, <i>“SERS-based label-free enantioselective discrimination of chiral molecules using GLAD substrates”</i></p> <p>12:40 <b>Aso Rahimzadegan</b>, Max Planck Institute of Colloids and Interfaces, Potsdam, <i>“Chiroptical Emergence in Disordered Plasmonic Assemblies”</i></p>
13:10	Refectory	Lunch
14:00	Audimax	<p>Session <b>Emerging Directions in Plasmonic Design, Emission and Catalysis</b></p> <p>14:00 <b>Stephan Link</b>, University of Illinois at Urbana-Champaign, <i>“Light emission from plasmonic nanostructures”</i></p> <p>14:30 <b>Christian Schäfer</b>, TU Wien, <i>“Few-emitter lasing and defect-enhanced plasmonic catalysis: Exploring novel directions in plasmonic design”</i></p> <p>14:50 <b>Rishi Verma</b>, Tata Institute of Fundamental Research, Mumbai, <i>“Harnessing Plasmonic Effects in Black Gold-Nickel for Solar Catalysis”</i></p> <p>15:10 <b>Alina Gorbunova</b>, TU Wien, <i>“Toward Better Model Reactions in Plasmon Catalysis: from Azo Coupling to Alkoxyamine Homolysis”</i></p> <p>15:30 <b>Martin Reifarth</b>, University of Potsdam, <i>“Rethinking Gold Surface Chemistry through Copper N-Heterocyclic carbene (NHC) Complexes”</i></p>
15:50	Audimax	Closing remarks



## Light.Metal.Reactions 2026

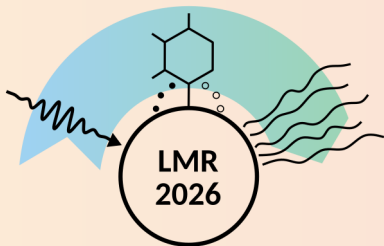
### Poster Session I, Wednesday, September 09, 14:00:

01. **Gunjan Sharma**, Tata Institute of Fundamental Research, Mumbai, "*Hot-electron Driven Selective Olefin Transformations Using Plasmonic 'Black Gold' Nanoreactors*"
02. **Svetlana Santer**, University of Potsdam, "*Surface-Confined Polymer Growth Guided by Plasmonic Near-Field Interference*"
03. **Alexander Spears**, University of Vienna, "*Electronic friction simulations of laser-driven hydrogen evolution. Does surface coverage matter?*"
04. **Jaipreet Singh**, Tata Institute of Fundamental Research, Mumbai, "*From Black Gold to Black Nickel: Defect-Engineered Catalysts for Visible Light CO<sub>2</sub> Reduction*"
05. **Nicolas Jahn**, University of Potsdam, "*Nonadiabatic Molecular Dynamics Enables Direct Modeling of Plasmon-Driven Processes at the Single Molecule Level*"
06. **Ziwen Yu**, Leibniz Institute of Polymer Research Dresden, "*2D wrinkle assisted zigzag plasmonic chains for isotropic SERS enhancement*"
07. **Niklas Bier**, University of Potsdam, "*In situ monitoring of plasmon driven chemical reactions by NMR spectroscopy*"
08. **Radwan Mohamed Radwan**, University of Potsdam, "*Plasmon-induced tandem chemical transformations of thiolated benzylamine derivative*"
09. **Jonathan Eifler**, University of Potsdam, "*A MACE-Based Machine Learning Potential for GNR Formation on Au (111)*"
10. **Anton Plech**, Karlsruhe Institute of Technology, "*Thermal dynamics of noble metal colloids in photo-excitation and fragmentation*"
11. **Jon Scouten**, University of Potsdam, "*Plasmon-Driven Enhancement of Interfacial Electronic Excitations at Metal–Molecule Contacts*"
12. **Jonas Grumm**, University of Potsdam, "*Theory of Electron Relaxation Under Optically Induced Non-Equilibrium Conditions in Plasmonic Noble Metals*"
13. **Shreya Sinha**, University of Potsdam, "*Unraveling Intermode Couplings in Water under Vibrational Strong Coupling via IR Spectroscopic Signatures: A Full-Dimensional Quantum Dynamics Approach*"



## Light.Metal.Reactions 2026

14. **Peter Saalfrank**, University of Potsdam, *“Ultrafast photoinduced dynamics of hydrogen on gold surfaces”*
15. **Elham Mazarei**, University of Potsdam, *“Electronic states of diarylethene switch on gold nanoclusters”*
16. **Tobias Eckardt**, University of Potsdam, *“Light Meets Nano - Development of a student lab module on the topic of light and its interaction with metal nanoparticles”*
17. **Olga Artemyeva**, University of Potsdam, *“Chemical Reactivity of Pd (111) Surface”*
18. **Namitha Deepak**, University of Potsdam, *“The Metal Organic Interface of Halogenated Thiophenol Functionalized Silver Nanoparticles”*
19. **Lars Dannenberg**, Humboldt University of Berlin, *“Hot-Electron-Induced Oligomerization of Allyl mercaptan”*
20. **Xiaofeng Zhou**, LMU Munich, *“Ferroelectricity-enabled CO<sub>2</sub>-to-methane photoreduction through dual interfacial Schottky junctions”*
21. **Nour el Houda Chetoui**, University of Potsdam, *“Temperature Dependence of Electron-Phonon Coupling in Gold Nanoparticles”*
22. **Robert Lemke**, Technische Universität Berlin, *“Optical Response of Noble Metals based on Boltzmann-Bloch Equations”*
23. **Alexandra Faber**, University of Potsdam, *“Setting University of Potsdam Dark-Field Spectroscopy for Measuring Photocharging of Single Gold Nanorods”*
24. **Kimiya Setayeshmehr**, Vrije Universiteit Amsterdam, *“Towards tuning the selectivity of the CO<sub>2</sub> reduction reaction on single silver nanoparticles”*
25. **Shivani Kesarwani**, University of Potsdam, *“Synthesis of gold nanoparticle based hybrid materials”*
26. **Sufian Rasheed**, University of Potsdam, *“Monitoring the reaction pathway of a plasmon-induced retro-Diels-Alder reaction using few-molecule SERS”*
27. **Zahra Sartipi**, University of Potsdam, *“Canonically Consistent Quantum Master Equation for Proton-Transfer Reactions”*
28. **Aji Alexander**, University of Potsdam, *“Investigating the growth mechanism of KBr on glass by nc-AFM”*

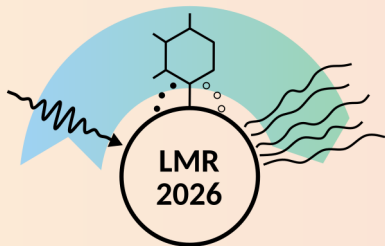


## Light.Metal.Reactions 2026

29. **Mitra Esfandiari**, University of Potsdam, *“Plasmonic Au Nanoparticles with Covalent Ru–Polypyridyl Polyelectrolyte Copolymer: Synthesis, Characterization & Photocatalysis”*
30. **Anton S. Zverev**, University of Potsdam, *“SERS-tracked plasmonic photocatalysis: beyond thiol-functionalized model systems”*
31. **Jannes Manglani-Dreßler**, Berliner Hochschule für Technik, *“Role of Ligands in the Photocatalytic Conversion of 4-Nitrophenol by Gold Nanoparticles”*
32. **Carsten Henkel**, University of Potsdam, *“Infrared Response of Metals — Colossal Magnetic Susceptibility”*
33. **Helena Poulouse**, University of Potsdam, *“Understanding Vibrational Strong Coupling through non-linear IR spectroscopy”*
34. **Samanwita Biswas**, University of Potsdam, *“Electronic properties of lithography-fabricated Pd nanocontacts”*
35. **Grace Hsiao-Han Chuang**, Max Planck Institute for the Physics of Complex Systems, *“Calculating excitonic interactions using transition currents with application to PTCDAs”*
36. **Yulia Gordievskaya**, University of Potsdam, *“Microgels as a Tool for Detecting Laser-Induced Heating of Plasmonic Metal Structures”*

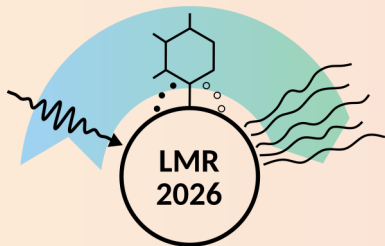
### Poster Session Session II, Thursday, September 10, 17:30:

01. **Naincy Mall**, University of Potsdam, *“Two-photon processes and plasmon-induced nitroxide-mediated radical polymerization (NMP)”*
02. **Veronika Adolfs**, Leibniz University Hannover, *“Fiber-based Plasmonic Microreactor for Flow Chemistry”*
03. **Jaya Bharti**, University of Potsdam, *“Interfacing Ionic Carbon Nitride with Molecular Catalysts for Tunable Photocatalytic CO<sub>2</sub> Reduction”*
04. **Hari Haran Srinivasalu**, University of Potsdam, *“Plasmon-Induced Mizoroki-Heck Cross-Coupling Reaction on Au@Pd Nps”*



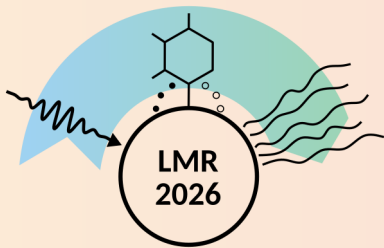
## Light.Metal.Reactions 2026

05. **Alexandre Chicharo**, nanoSpec Technologies, Berlin, *“High-density plasmonic hotspots in nanofabricated Au SERS substrates”*
06. **J. Mark Young**, University of Potsdam, *“From photons to fertilizer”*
07. **Biswajit Bhattacharyya**, University of Potsdam, *“Ternary Sulfide-Based Semiconductor Nanocrystals: An Efficient Alternate Plasmonic Photocatalyst”*
08. **Ajay Kumar**, University of Potsdam, *“Modelling and Measurement of the distance-Dependant Electrostatic Interactions on Pb Islands on Si (111) substrate”*
09. **Fariha Binte Rahman**, Humboldt University of Berlin, *“Monitoring Local Interactions in Biomolecules by Surface Enhanced Linear and Nonlinear Raman Scattering”*
10. **Jorik Schaap**, University of Twente, *“Probing Carrier Dynamics in Plasmonic Silver Nanoparticles Under Electrochemical Bias”*
11. **Anant Mantha**, Humboldt University of Berlin, *“Metal film over nanosphere substrates for plasmonic catalysis”*
12. **Anahita Heraji Esfahani**, University of Potsdam, *“Plasmon-Enhanced RAFT Polymerization”*
13. **Christopher Penschke**, University of Potsdam, *“Accurate optoelectronic properties of CuFeS<sub>2</sub> from quantum-chemical calculations”*
14. **Leo Cordsmeier**, Helmholtz-Zentrum Berlin, *“The influence of plasmonic nanoparticles on the surrounding solution probed by soft X-ray absorption spectroscopy”*
15. **Wagner Ribeiro da Silva Neto**, Helmholtz-Zentrum Berlin, *“Can kinetic inertness be overcome upon photoexcitation? A demonstration of site-selective photoaquation of [Co(en)<sub>3</sub>]<sup>3+</sup>, a strongly chelated and inert metal complex”*
16. **Lisa Mehner**, University of Potsdam, *“Inverted Temperature Gradients in Au-Pd core-satellite systems”*
17. **Athena Majlesi**, University of Potsdam, *“Momentum Resolved Raman Microscopy: From Solid State Phonons to Vibro-Polaritons”*
18. **Mathis Noell**, University of Potsdam, *“Polariton Composition in a Dispersive Tavis-Cummings Model”*
19. **Sonia Zoltowska**, University of Potsdam, *“Merging Triazine-Based COFs with Plasmonic Nanoparticles: Interface Design for Visible-Light Polymer upcycling”*



## Light.Metal.Reactions 2026

20. **Sarah von Chamier Gliszczinski**, University of Potsdam, *“Investigations into light-driven C-C bond forming reactions catalysed by Pd-Au-nanoparticles”*
21. **Jan Kutschera**, University of Potsdam, *“From Anti-Stokes Thermometry to Ultrafast Probing of Energy Transfer”*
22. **Christina Beresowski**, University of Potsdam, *“Probing few molecule chemical reactions using DNA-origami-assembled nanoparticle dimers”*
23. **Wira Muliarta**, Humboldt University of Berlin, *“Mie theory for charged spheres”*
24. **Hubert Czternastek**, Helmholtz-Zentrum Berlin, *“Mechanistic studies of light induced reactions using X-ray absorption spectroscopy”*
25. **Victoria Chua**, University of Potsdam, *“Synthesis and biological assessment of photoactivatable AuNP/Platinum complex nanohybrids as therapeutic agents”*
26. **Guilherme Carraro Carella**, Humboldt University of Berlin, *“MMie-esfera: A modular Mie-theory solver for nanospheres probed by light, dipoles, and swift electrons”*
27. **Sivoney Ferreira de Souza**, University of Potsdam, *“PFOA mineralization via photocatalytic reaction”*
28. **Shashank Kumar Gahlaut**, University of Potsdam, *“Bridging Chiral Plasmon-Driven Catalysis and Enantiomeric SERS Discrimination via Gold Helicoid Nanostructures”*
29. **Andreas Taubert**, University of Potsdam, *“Metal halide ionic solids - not plasmonic yet, but maybe soon?”*
30. **Aritra Biswas**, Seoul National University, *“Chiral Gold-Helicoid Nanoparticle for Driving Organic Reactions”*
31. **Julius Schwarz**, DESY, *“Towards Time-Resolved XPS of 2-Thiouracil treated Au Nanospheres”*
32. **Arseniy Epishin**, Free University of Berlin, *“Quadrupolar plasmon-polaritons in metallic nanoparticle supercrystals”*
33. **Carsten Henkel**, University of Potsdam, *“Bridging Atomic and Mesoscopic Scales for the Electron Density of a (Surface) Plasmon”*
34. **Florian Schmitt**, University of Potsdam, *“Surface modification in confined nanospaces via NHC ligands on gold nanoparticles”*
35. **Jonas Strobel**, University of Potsdam, *“Light-Directed Fabrication of Plasmonic Nanobelt Arrays via Opto-Mechanical Stresses in Photosensitive Polymer Films”*



## Light.Metal.Reactions 2026

36. **Anisha Pathak**, University of Potsdam, *"DNA origami assisted programmable plasmonic nanoreactors for single molecule catalysis"*
37. **Jon Scouten**, University of Potsdam, *"Towards Understanding Chiroptical Response in 432 Helicoid Gold Nanocube Supercrystals"*