



# User Meeting 2023 Agenda

Tuesday, April 25<sup>th</sup>, 2023

- 11h00      Arrival and refreshments (finger food lunch)
- 12h00      **Welcome and introduction**  
*Stephan Kleindiek*
- 12h15      **Aligned Stacking of Nanopatterned 2D Materials for High-Resolution 3D Device Fabrication**  
*Prof. Dr. Jannik C. Meyer, Universität Tübingen*
- 12h35      **Tailoring Nanowire Lasing Modes via Coupling to Metal Gratings**  
*Francesco Vitale, Universität Jena*
- 12h55      **The gripper as a tool in our (cryo)CLEM workflow**  
*Rona Rovers, Radboud University Nijmegen*
- 13h15      Coffee break, product demos, informal discussions
- 15h00      **Unpacking the nanoprobing signals that arise from electron beam interactions with electronic devices**  
*Greg Johnson, Zeiss*
- 15h20      **Enabling low leakage currents in two-terminal devices for Operando TEM applications**  
*Oscar Recalde, Technische Universität Darmstadt*
- 15h40      **Dynamics of neuromorphic nanoparticle networks imaged by a combination of active voltage contrast SEM and passive RCI**  
*Ole Gronenberg, CAU Kiel University*
- 16h00      Coffee break, product demos, informal discussions
- 18h00      **Electrical characterization of metallic and ionically conductive nanowires with MM3A nano manipulator**  
*Nikolay Frick,*
- 18h20      **In Situ Manipulation and Micromechanical Characterization of Diatom Frustule Constituents Using Focused Ion Beam Scanning Electron Microscopy**  
*Chris Schwalb, QD Darmstadt*
- 18h40      Product demos, informal discussions
- 19h30      Dinner at the Achalm Restaurant

Wednesday, April 26<sup>th</sup>, 2023



25 Years!

- 08h30            **TBD**  
*Hubert Schulz, Zeiss*
- 08h50            **3D force sensor accessory for micromanipulators**  
*János Volk, HU*
- 09h10            **Advanced nanofabrication and its important contribution to various scientific questions**  
*Marcus Wyss, Swiss Nanoscience Institute (SNI)*
- 09h30            **In-situ experiments in the Helium Ion Microscope**  
*Gregor Hlawacek, Helmholtz-Zentrum Dresden-Rossendorf*
- 09h50            Coffee break, product demos, informal discussions
- 11h20            **Use of electrical microprobes and thermoelectric plates in Focused Ion Beam based processes**  
*Jose-Maria de Teresa, Universidad de Zaragoza*
- 11h40            **Electron-enhanced CVD of Gold**  
*Katja Höflich, Ferdinand-Braun-Institut gGmbH, Leibniz-Institut für Höchstfrequenztechnik*
- 12h00            **Kleindiek tools in everyday work – sample preparation for TEM in situ - heating and -biasing experiments**  
*Martina Dienstleder, Graz University of Technology*
- 12h20            Lunch
- 14h00            **TBD**  
*TBD, TBD*
- 14h20            **Benefits of a Compact Temperature Stage in a TESCAN Amber (FIB SEM)**  
*Tom Jäpel, Tescan*
- 14h40            **Fabrication and application of scanning probe microscopy cantilevers fabricated using nanomanipulator technologies**  
*Ewelina Gacka, Wroclaw University of Science and Technology*
- 15h00            **In Situ Manipulation and Micromechanical Characterization of Diatom Frustule Constituents Using Focused Ion Beam Scanning Electron Microscopy**  
*Ingeborg Schreur, Eindhoven University of Technology*
- 15h20            **Wrap-up**  
*Stephan Kleindiek*
- 16h00            **Company Tour** of our facilities at Aspenhastr. 25, 72770 Reutlingen