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**O 82: Invited Talk (Richard Berndt)**

Time: Friday 9:30–10:15

Location: H36

**Invited Talk**

O 82.1 Fri 9:30 H36

**Plasmons, forces and currents in atomic and molecular contacts** — ●RICHARD BERNDT — Institut für Experimentelle und Angewandte Physik, Christian-Albrechts-Universität zu Kiel, D-24098 Kiel  
The electron transport through single atoms, molecules and molecule-

molecule contacts is investigated with low-temperature scanning probe microscopy. In the experiments, which aim at maximizing the control over the junction properties, the conductance, the acting force and the emission of photons are probed. The talk will address the role of molecular structure and bonding as well as localized plasmons and quantum noise properties.