



Research into understanding and controlling interfaces lies at the confluence of nanoscience, biochemistry, microelectronics, and medicine. In recent years, significant progress in each of these fields has not only increased the importance of hybrid materials systems for applications ranging from renewable energy generation to biomedical implant technology, but also created new challenges in synthesis, measurement, and theory. The focus of this workshop will be on advances in functional interfaces, with a particular emphasis on multi-component and multi-phase materials systems for bioelectronic, biosensing, and biomedical applications. Furthermore, the workshop will highlight the roles and prospects for emerging materials, such as graphene, diamond, and compound semiconductors. Current challenges in determining the complex mechanisms of interaction at interfaces between biological and inorganic systems, precisely tailoring the chemical, structural, and electronic properties of these structures, and designing and synthesizing new molecular linkers and precursors to provide the desired functionality, will all be addressed.

**Organizing committee:**

G. Abstreiter, A. Cattani-Scholz, J.A Garrido, I.D. Sharp, M. Stutzmann  
Walter Schottky Institut (WSI) & Center for Nanotechnology and Nanomaterials (ZNN)

**Invited speakers:**

P. **Bergonzo** (CEA), F. **Bonaccorso** (Cambridge University), D. **Cahen** (Weizmann Institute), H. **Dietz** (TU Munich), P. **Fromherz** (MPI Biochemistry), A. **Holleitner** (TU Munich), E. **Johnston** (Genzyme), H. **Kawarada** (Waseda University), K. **Kern** (MPI Stuttgart), A. **Kruger** (Wurzburg University), R. **Netz** (FU Berlin), B. **Nickel** (LMU), J. **Schwartz** (Princeton University), M. **Tornow** (TU Braunschweig), D. **Zahn** (TU Chemnitz)

**Abstracts for oral and poster contributions will be accepted until September 2<sup>nd</sup>** (abstract submission to [garrido@wsi.tum.de](mailto:garrido@wsi.tum.de))

Further information: news at [www.wsi.tum.de](http://www.wsi.tum.de)

