

# 2<sup>nd</sup> *fun*COS International Workshop Erlangen

November 17 - 19, 2019



The emerging field of oxide-organic hybrid materials offers potential applications ranging from molecular electronics via energy conversion to catalysis. While the complex functional units constituting organic films are synthesized with atomic precision, the properties and the interaction mechanisms of ultra-thin layers of organic films on oxides have remained largely unexplored from a surface-science perspective: “Our current knowledge ends at the interface”.

An in-depth understanding of organic-oxide interfaces could be obtained from a surface science approach which is outstandingly challenging, however, both for experiment and theory. The DFG Research Unit funCOS aims to create the knowledge on the underlying physical and chemical interaction mechanisms at the microscopic and the molecular level.

The funCOS International Workshop brings together international experts from the fields of molecular films and oxide surfaces and aims at strengthening a worldwide network of groups interested in this emerging research field.

#### The DFG Research Unit funCOS:

funCOS - Functional Molecular Structures on Complex Oxide Surfaces (FOR 1878) - is a Research Unit funded by the German Science Foundation (DFG) at Friedrich-Alexander Universität Erlangen-Nürnberg in cooperation with the Paris Lodron Universität Salzburg since 2013.

The workshop is open for contributed presentations by external participants. Please register until July 31, 2019 by email to [funcos@fau.de](mailto:funcos@fau.de). External participants may present posters during the poster session.

Further information:  
[www.funcos.fau.de](http://www.funcos.fau.de) - [funcos@fau.de](mailto:funcos@fau.de)

**Opening: Sunday November 17, 2019, 4:00 pm**  
(Opening lectures and reception)

**Closing: Tuesday November 19, 2019, 5:00 pm**

#### Venue:

Friedrich-Alexander-Universität Erlangen-Nürnberg  
Markgräfliches Schloss Erlangen, Schlossplatz 4  
91054 Erlangen - Germany

#### Invited speakers:

James Batteas / Texas A&M University (USA), Stacey Bent / Stanford University (USA), Piotr Cyganik / Jagiellonian University (Poland), Ulrike Diebold / Technische Universität Wien (Austria), Katharina Franke / Freie Universität Berlin (Germany), Oliver Hofmann / TU Graz (Austria), Ernst Meyer / Universität Basel (Switzerland), Gianfranco Pacchioni / University of Milan Bicocca (Italy), Gregory S. Rohrer / Carnegie Mellon University (USA), Martin Sterrer / Universität Graz (Austria), Federico Williams / University of Buenos Aires (Argentina), Junfa Zhu / University Heifei (China)

#### funCOS Project Leaders:

Prof. Dr. Jörg Libuda (Speaker), Prof. Dr. Michel Bockstedte, Prof. Dr. Oliver Diwald, Prof. Dr. Thomas Fauster, Prof. Dr. Rainer Fink, Prof. Dr. Andreas Görling, Dr. Manuela Killian, Dr. Mathias Laurin, Dr. Ole Lytken, Prof. Dr. Andreas Magerl, Prof. Dr. Sabine Maier, PD Dr. Hubertus Marbach, Prof. Dr. Bernd Meyer, Prof. Dr. Patrik Schmuki, Prof. Dr. M. Alexander Schneider, Prof. Dr. Hans-Peter Steinrück, Prof. Dr. Tobias Unruh