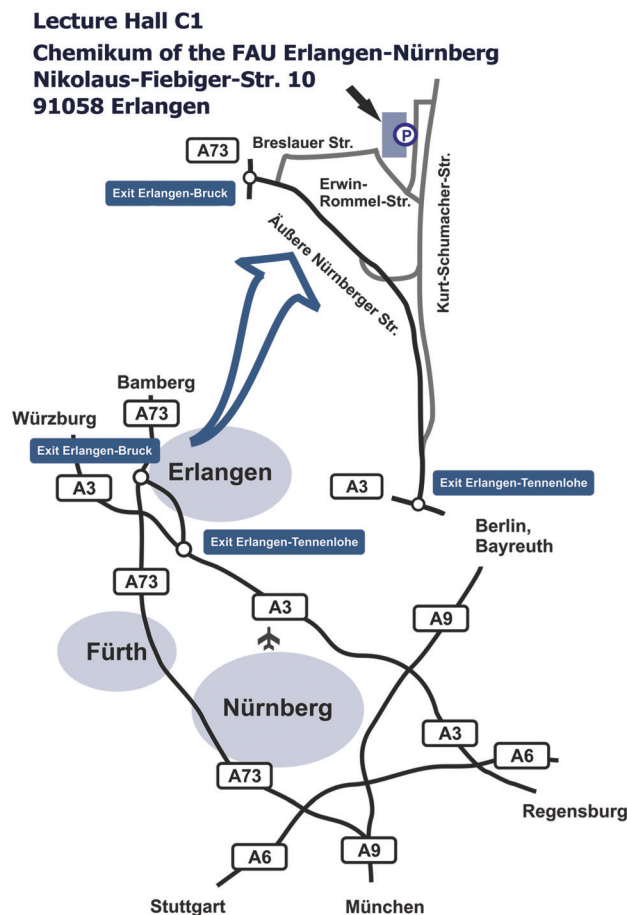


- 16:30 Max **von Delius**, SFB 953 **A7**
Unleashing the Supramolecular Potential of Strained Carbon Nanohoops
- 17:00 Sabine **Maier**, SFB 953 **B4**
Bottom-up Fabrication of Atomically Precise Carbon Nanostructures through on Surface Synthesis
- 18:30 **POSTER SESSION WITH BUFFET**

Wednesday, October 2nd

- 9:00 Shigeru **Yamago**, University of Kyoto, Japan
Synthesis and Properties of Carbon Nanocarbons with New Topology
- 9:45 Christoph **Brabec**, SFB 953 **B1**
How Non-Fullerene Acceptors can Suppress the Formation of Charge Transfer Complexes in BHJ Composites
- 10:15 Andreas **Görling**, SFB 953 **C2**
Insight into Carbon-rich Molecules and Materials from Electronic Structure Calculations
- 10:45 **COFFEE BREAK**
- 11:30 Michael **Haley**, University of Oregon, USA
Diarenoindacenes and Diindenoarenes: From Antiaromatic Semiconducting Materials to Stable Organic Diradicals (CLOSING LECTURE)
- 14:00 **EXCURSION**
Erlangen: Walk with the nightwatchman



SFB 953:

Prof. Dr. Andreas Hirsch (Spokesperson)
 Prof. Dr. Heiko Weber (Vize Spokesperson)
 Dr. Frank Hauke (Executive Director)

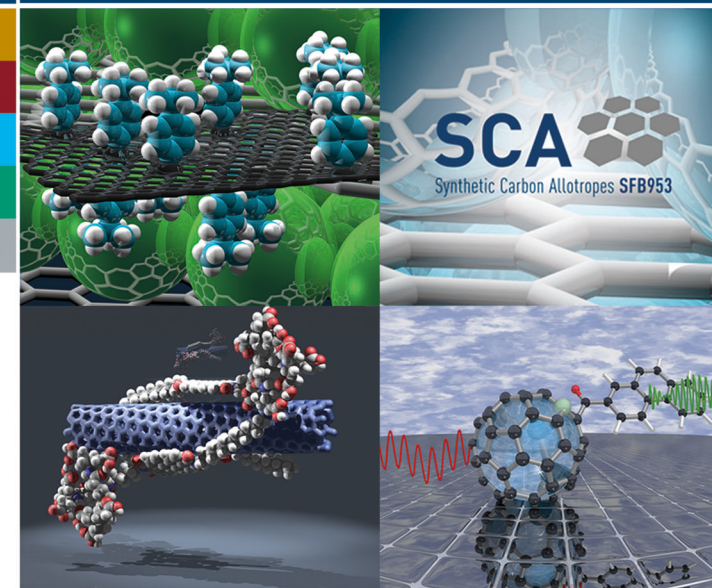
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5th Erlangen Symposium on Synthetic Carbon Allotropes

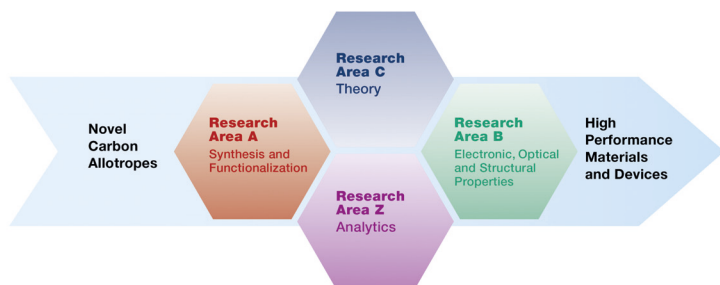
September 29 - October 2, 2019



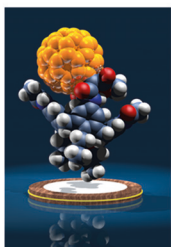
Program Information

Chemikum
Nikolaus-Fiebiger-Str. 10
91058 Erlangen

Synthetic carbon allotropes such as fullerenes, carbon nanotubes and graphene currently represent one of the most promising materials families with enormous potential for high-performance applications in the fields of nanoelectronics, optoelectronics, hydrogen storage, sensors and reinforcements of polymers based on their unprecedented electronic, optical, mechanical and chemical properties.



At the same time, they are ideal targets for investigating fundamental chemical and physical questions such as shape- and charge-dependent binding and release of molecules, charge transport in confined spaces, and superior sensing of supramolecular interactions.



Tapping these exciting possibilities fully, however, still requires overcoming a number of significant hurdles such as high-yield production methods, sorting and separation, developing synthesis protocols for new carbon allotropes, controlled doping with heteroelements, solubilization, chemical functionalization, hierarchically ordered architectures, and layer (single and multiple) formation.

Sunday, September 29th

- 16:00 **REGISTRATION**
- 18:00 Andreas **Hirsch**, Speaker SFB 953
Welcome and Opening Remarks
- 18:20 Klaus **Müllen**, MPI Mainz, Germany
Carbon Nanostructures by Design
(OPENING LECTURE)
- 19:30 **GET-TOGETHER PARTY WITH FRANCONIAN STYLE BUFFET**

Monday, September 30th

- 9:00 Roman **Fasel**, Empa, Switzerland
Nanographenes with Intrinsic π -Magnetism: From Molecules to Spin Chains
- 9:45 Marcin **Stępień**, University of Wrocław, Poland
Donor–Acceptor Oligopyrroles: A Modular Approach Toward Heteronanocarbons
- 10:30 Dirk M. **Guldi**, SFB 953 **B10**
Photon- and Charge-Management in Synthetic Carbon Allotropes
- 11:00 **COFFEE BREAK**
- 11:30 Nazario **Martín**, University of Madrid, Spain
Chiral Synthetic Molecular Nanographene
- 12:15 Konstantin **Amsharov**, SFB 953 **A6**
Synthesis of Nanocarbons via Nano-Zipping Algorithm
- 13:00 **LUNCH**
- 14:30 Burkhard **König**, University of Regensburg, Germany
Photoredox Catalysis: Organic Synthesis with Visible Light
- 15:15 Milan **Kivala**, SFB 953 **A5**
Oxidative Cyclodehydrogenation of Trinaphthylamine: Selective Formation of 5- and 7-Membered Rings
- 15:45 **COFFEE BREAK**

- 16:15 Uwe **Bunz**, University of Heidelberg, Germany
Syntheses, Properties and Applications of novel N-Heteroacene-Types
- 17:00 Thomas **Pichler**, University of Vienna, Austria
Position and Momentum Mapping of Phonons and Electronic Excitations in Graphene Nanostructures
- 19:00 **SPEAKERS DINNER**
Restaurant „Johann's“ - Schloss Atzelsberg

Tuesday, October 1st

- 9:00 John **Anthony**, University of Kentucky, USA
Designed Aromatic Structures for Electronics and Photonics
- 9:45 Norbert **Jux**, SFB 953 **A2**
Porphyrins and Polycyclic Aromatic Hydrocarbons
- 10:15 Peter **Hommelhoff**, SFB 953 **B11**
Ultrafast Physics with SCAs
- 10:45 **COFFEE BREAK**
- 11:30 Jean-Francois **Nierengarten**, Université de Strasbourg et CNRS, France
Fullerene Scaffolds for the Preparation of Functional Nanostructures
- 12:15 Thomas **Drewello**, SFB 953 **Z1**
Of Rings within Rings and Rings around Balls
- 13:00 **LUNCH**
- 14:30 Petra **Rudolf**, University of Groningen, Netherlands
New Pillared Graphene Oxide Structures
- 15:15 Christian **Papp**, SFB 953 **B7**
Graphene as a Template for Nanocluster Arrays: From Model Catalysis to Nanographene
- 15:45 **COFFEE BREAK**