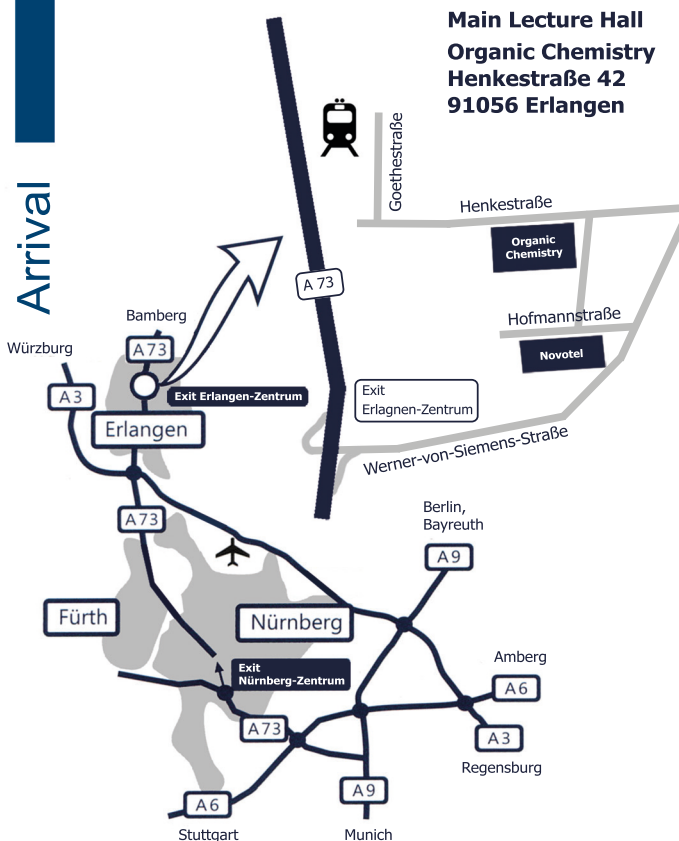


- 16:15 **COFFEE BREAK**
- 16:45 Rosana **Larciprete**, ISC Rome, Italy  
*Surface Reactions at the Graphene/Ni(111) Interface*
- 17:30 Sabine **Maier**, SFB 953 **B4**  
*On-Surface Synthesis and Electronic Properties of 2D Molecular Networks*
- 19:00 **SPEAKERS DINNER**  
*Restaurant „Johann's“ - Schloss Atzelsberg*

### Wednesday, September 27<sup>th</sup>

- 9:00 Colin **Nuckolls**, Columbia University, USA  
*Conjugated Nanoribbons and Macrocycles as Electronic Materials*
- 9:45 Dirk **Guldi**, SFB 953 **B10**  
*Carbon Nanodots – The New Kid on the Block*
- 10:15 Andreas **Görling**, SFB 953 **C2**  
*Formation, Structure and Electronic Properties of Novel Two-Dimensional Materials by First-Principles Calculations*
- 10:45 **COFFEE BREAK**
- 11:30 Michael **Haley**, University of Oregon, USA  
*Indenofluorenes and Ring-Expanded Analogues: From Quinoidal Electron-Accepting Materials to Stable Organic Biradicals (CLOSING LECTURE)*
- 13:00 **EXCURSION**  
*Nürnberg: Red Beer in Deep Cellars*



#### SFB 953:

Prof. Dr. Andreas Hirsch (Speaker)  
Prof. Dr. Heiko Weber (Vize-Speaker)  
Dr. Frank Hauke (Managing Director)

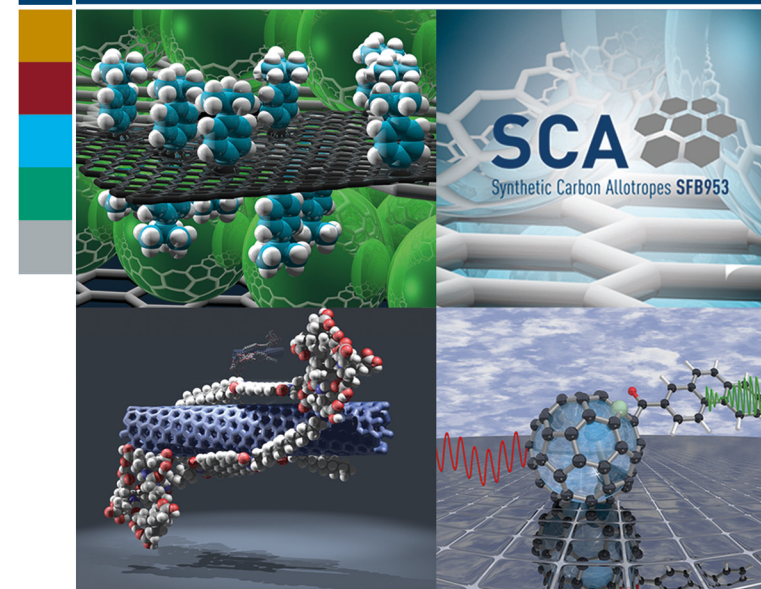
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## 4<sup>th</sup> Erlangen Symposium on Synthetic Carbon Allotropes

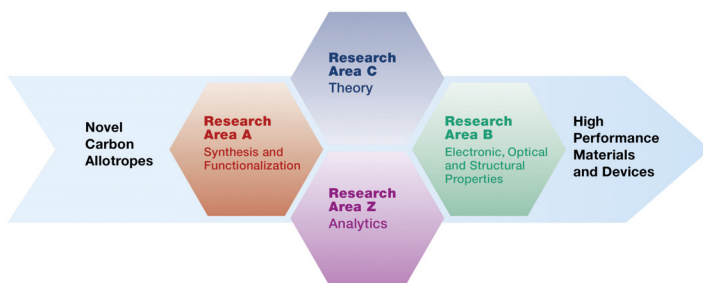
September 24 - 27, 2017



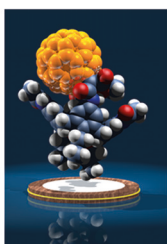
### Program Information

Organic Chemistry  
Henkestraße 42  
91054 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 24<sup>th</sup>

- 16:00 **REGISTRATION**
- 18:00 Andreas **Hirsch**, Speaker SFB 953  
Welcome and Opening Remarks
- 18:20 Mark **Hersam**, Northwestern University, USA  
*Mixed-Dimensional Nanomaterial Heterostructures for Electronic and Energy Applications*  
(OPENING LECTURE)
- 19:30 **GET-TOGETHER PARTY WITH FRANCONIAN STYLE BUFFET**

### Monday, September 25<sup>th</sup>

- 9:00 Peter R. **Schreiner**, Universität Gießen, Germany  
*London Dispersion Effects in Molecular Chemistry – Reconsidering Steric Effects*
- 9:45 Andrey **Turchanin**, Universität, Jena  
*Synthetic 2D Carbon Materials via Electron Irradiation Chemistry*
- 10:30 Rik **Tykwinski**, SFB 953 **A4**  
*sp-Hybridized carbon as a Building Block for New Carbon Allotropes*
- 11:00 **COFFEE BREAK**
- 11:30 Wilhelm **Auwärter**, TU München, Germany  
*Functional Molecules and Surface-Supported sp<sup>2</sup>-Sheets*
- 12:15 Konstantin **Amsharov**, SFB 953 **A6**  
*Rational Synthesis of Chirality-Pure Single Walled Carbon Nanotubes*
- 13:00 **LUNCH**
- 14:30 Thomas **Michely**, Universität zu Köln, Germany  
*With Graphene to New Materials and Reactions*
- 15:15 Milan **Kivala**, SFB 953 **A5**  
*Triarylaminines as Versatile Platforms for the Construction of Polycyclic Heteroaromatic Compounds*
- 15:45 Georg **Duesberg**, Univ. der Bundeswehr, Germany  
*On Chip Functionalisation of 2-Dimensional Materials*

- 16:15 **COFFEE BREAK**
- 16:45 Holger **Bettinger**, Universität Tübingen, Germany  
*The Acene Series: Narrowest Zigzag Graphene Nanoribbons*
- 17:30 Thomas **Seyller**, TU Chemnitz, Germany  
*Intercalation of Epitaxial Graphene on SiC: A Tool for Interface Engineering*
- 19:00 **POSTER SESSION WITH BUFFET**

### Tuesday, September 26<sup>th</sup>

- 9:00 Jana **Zaumseil**, Universität Heidelberg, Germany  
*Optical and Electrical Generation of Exciton-Polaritons in Semiconducting Single-Walled Carbon Nanotubes*
- 9:45 Michael **Holzinger**, Université Grenoble, France  
*Development and Possible Applications of Enzymatic Glucose Fuel Cells*
- 10:15 Peter **Hommelhoff**, SFB 953 **B11**  
*Strongly-Driven Electrons in Graphene*
- 10:45 **COFFEE BREAK**
- 11:30 Claudia **Backes**, Universität Heidelberg, Germany  
*The Chemistry of Liquid-Exfoliated 2D Materials Beyond Graphene*
- 12:15 Heiko **Weber**, SFB 953 **B8**  
*Recent Charge Transport Experiments with Graphene: The Role of Stacking Faults, Tunnelling, and Single-Molecule Junctions*
- 13:00 **LUNCH**
- 14:30 Florian **Beuerle**, Universität Würzburg, Germany  
*Supramolecular Fullerene Assemblies*
- 15:15 Christian **Papp**, SFB 953 **B7**  
*Functionalization of Supported 2D Materials*
- 15:45 Christoph **Brabec**, SFB 953 **B1**  
*The Photophysics of Small-Molecular-Acceptor "All Carbon Solar Cells"*