

RTG 2861 “Planar Carbon Lattices” joint meeting in Erlangen, December 7-8, 2023

Location: [Friedrich-Alexander-Universität Erlangen-Nürnberg](#)
[Südgelände, Seminar room 13301.00.111 \(Chemikum Organische Chemie\)](#),
[Nikolaus-Fiebiger-Str. 10 \(Access: Erwin-Rommel-Straße 35, Ground floor\)](#)

Meeting agenda

Thursday, 07.12.2023, in [Seminar room 13301.00.111 \(Chemikum Organische Chemie\)](#)

12:30 - 13:30 *Joint lunch & Welcome coffee*

13:30 - 13:35 Opening remarks

13:35 - 13:45 Brief introduction of the new doctoral researcher - Britta Maib (C4 | Maultzsch, FAU)

13:45 - 14:15 Progress report Elena Mack (C3 | Guldi, FAU) - 20 min talk + 10 min Q&A

14:15 - 14:45 Progress report Jiwon Byun (B1 | Halik, FAU) - 20 min talk + 10 min Q&A

14:45 - 15:45 Subgroup meetings of D.R. + PI supervisor + PI co-supervisor + collaboration partner available on-site, and online if possible;

- Planning of lab-rotations/ research visits;

- Hobby project discussions (for the teams that need it)

15:45 - 16:15 *Coffee break*

16:15 - 17:15 Guest talk by Prof. Petko Petkov (Sofia University, Bulgaria): “Practical aspects in DFT modelling of two-dimensional conjugated metal-organic frameworks (2D cMOFs)” - 45 min talk + 15 min Q&A

17:15 - 17:35 Dr. Andreas Späth (FAU): Introduction on the Graduate School EAM at FAU

From 18:30 *Team event @TIO Rustica Erlangen (see “[Conference_details.pdf](#)”)*

Until 22:00 - Hotel Check-ins for the Dresden group (see “[Conference_details.pdf](#)”)

Friday, 08.12.2023, in [Seminar room 13301.00.111 \(Chemikum Organische Chemie\)](#)

09:30 - 11:00 Subgroup discussions “Hobby Project Competition” - **D.Rs. only!**

- Alternative for teams that do not need an HBC session: Lab tour(s) in FAU partner labs (*if possible*)

11:00 - 11:30 *Coffee break*

11:30 - 12:00 Progress report Sijia Feng (B4 | Weber, FAU) - 20 min talk + 10 min Q&A

12:00 - 12:30 Remaining discussions/reminders & Closing remarks

12:30 - 13:30 *Joint lunch and departure*

Doctoral Researcher	Project Thesis Topic	Supervisor (Uni)	Co-supervisor (Uni)	Starting date
Kevin Gerein	A3 Laser induced patterning of graphene	A. HIRSCH (FAU)	T. HEINE (TUD)	01.04.23
Majid Shaker	A5 Metal-coordinated porous structures on metal surfaces	H.-P. STEINRÜCK (FAU)	S. KASKEL (TUD)	01.04.23
Jiwon Byun	B1 Devices of PCLs grown on SAMs	M.HALIK (FAU)	S. KASKEL (TUD)	01.04.23
Shreya Garg	B3 Topological GNRs: On-surface synthesis and electronic structure	S. MAIER (FAU)	X. FENG (TUD)	October?
Sijia Feng	B4 Multi-observable investigation of electron tunneling	H. WEBER (FAU)	I. WEIDINGER (TUD)	01.08.23
Elena Mack	C3 Excitons, biexcitons, trions and their trapping in PCLs	D. GULDI (FAU)	S. KASKEL (TUD)	01.07.23
Britta Maib	C4 Vibrational signatures of edge topology in novel GNRs	J. MAULTZSCH (FAU)	T. HEINE (TUD)	01.12.23
Paul-A. L.-Schmidt	A1 Synthesis of multicomponent 2D c-MOFs with atomic precision	R. DONG (TUD)	D. GULDI (FAU)	01.11.23
Boris Borisov	A2 Synthetic strategies and methods for topological GNRs with heteroatom doping and non-hexagonal rings	X. FENG (TUD)	J. MAULTZSCH (FAU)	01.04.23
Aleena Jose	A4 Synthesis of 2D carbon materials from highly reactive precursors	S. KASKEL (TUD)	A. HIRSCH (FAU)	01.09.23
Diyan Dzujah	B2 Topological GNRs and patterned graphene with large gap	T. HEINE (TUD)	A. HIRSCH (FAU)	01.05.23
Anjana Aravind	C1 In situ NMR spectroscopy of electroadsorption processes	E. BRUNNER (TUD)	M.HALIK (FAU)	01.05.23
Jannis Kockläuner	C2 Development of the GW+C method for core levels	D. GOLZE (TUD)	H.-P. STEINRÜCK (FAU)	01.10.23
Linda Feuerstein	C5 Operando spectroelectrochemistry of printed PCL electrodes	I. WEIDINGER (TUD)	J. MAULTZSCH (FAU)	01.05.23

Associated RTG-PCL members (Status December, 2023):

I. Doctoral researchers:

- 1) Niklas Enderlein (FAU, Maultzsch group)
- 2) Giovanni Beneventi (FAU, Guldi group)

II. Post-doctoral researchers:

- 1) Dr. Hongde Yu (TUD, Heine group)