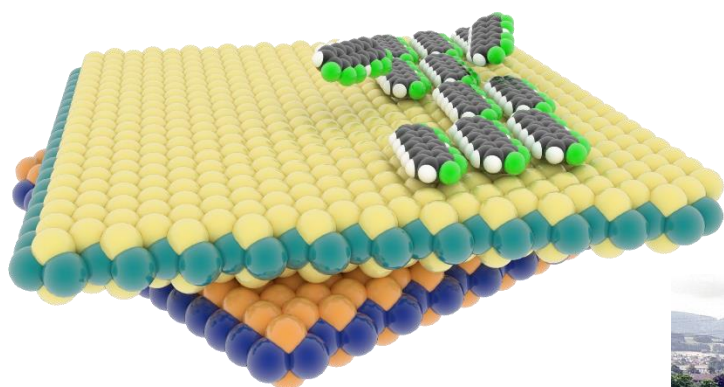


Summer School 2022

Prospects and Challenges of Hybrid Interfaces in TMDC and Organic Systems

26.09. to 28.09.2022 Hotel Schützenhof in Eitorf (near Cologne)



Organizers:

Prof. Dr. Gregor Witte
Prof. Dr. Ulrich Koert

Conference Secretary:

Dr. Stefan Renato Kachel
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Timetable

Time	<u>Monday</u>	Time	<u>Tuesday</u>	Time	<u>Wednesday</u>
		8:00 - 9:00	<i>Breakfast</i>	8:00 - 9:00	<i>Breakfast</i>
10:30	<i>Registration</i>	9:00 - 9:40	V6: Turchanin	9:00 - 9:40	V10: Forker
10:55	<i>Welcome</i>	9:40 - 10:20	V7: Wallauer	9:40 - 10:20	V11: Beschoten
11:00 - 11:40	V1: Rahimi	10:20 - 11:00	V8: Selig	10:20 - 11:00	V12: Wallauer
11:40 - 12:20	V2: Heine	11:00 - 11:30	<i>Break</i>	11:00 - 11:40	V13: Kümmell
12:30 - 14:00	<i>Lunch</i>	11:30 - 12:10	V9: Rahimi	11:40 - 12:30	Final Remarks
14:00 - 14:40	V3: Selig	12:10 - 12:40	Poster Talks 3	12:30 - 13:30	<i>Lunch</i>
14:40 - 15:20	V4: Samori	12:40 - 14:00	<i>Lunch</i>	14:00	<i>Departure</i>
15:20 - 16:00	V5: Gerhard	14:00 - 14:30	Poster Talks 4		
16:00 - 16:30	<i>Break</i>	14:30 - 16:00	Postersession 2		
16:30 - 17:00	Poster Talks 1	16:00 - 18:30	Discussion		
17:00 - 17:30	Poster Talks 2	from 19:00	<i>Dinner</i>		
17:30 - 18:30	<i>Break</i>				
18:30 - 19:30	<i>Dinner</i>				
19:30 - 21:00	Postersession 1				

Lectures

PD Dr. Arash Rahimi Iman, AG Quantenoptik, 1. Physikalisches Institut, Justus-Liebig Universität Giessen.

V1: Entering a Two-Dimensional Materials World with van-der-Waals Semiconductors

V9: Optical Properties of TMDC Monolayers, Bilayers, and Heterostructures

PD Dr. Johanna Heine, Nachwuchsgruppe Anorganische Chemie, FB Chemie, Philipps-Universität Marburg.

V2: Synthesis and Structures of Transition Metal Dichalcogenides

Dr. Malte Selig, AG Nichtlineare Optik und Quantenelektronik, Institut für Theoretische Physik, TU Berlin.

V3: *Introduction into electronic properties of TMDCs*

V8: *Stacked TMDCs and twistronics*

Prof. Dr. Paolo Samori, Institut de Science et d'Ingénierie Supramoléculaires (I.S.I.S.), Université de Strasbourg.

V4: Boosting 2D semiconductors with molecules

Prof. Dr. Marina Gerhard, Halbleiterspektroskopie, FB Physik, Philipps-Universität Marburg.

V5: Time-resolved optical spectroscopy and its applications to semiconductor heterostructures

Prof. Dr. Andrey Turchanin, Institut für Physikalische Chemie, Friedrich-Schiller-Universität Jena.

V6: Heterostructure interfaces of organic and inorganic 2D Materials

Dr. Robert Wallauer, AG Oberflächenphysik, Fachbereich Physik, Philipps-Universität Marburg.

V7: Momentum resolved Photoelectron spectroscopy

V12: Valleytronics in 2D materials

PD Dr. Roman Forker, Institut für Festkörperphysik, Friedrich-Schiller-Universität Jena.

V10: A comprehensive and intuitive classification of epitaxial relations

Dr. Bernd Beschoten, Lehrstuhl für Experimentalphysik (Festkörperphysik) und II. Physikalisches Institut, RWTH Aachen.

V11: Preparation of twisted TMDC stacks

Dr. Tilmar Kümmell, Werkstoffe der Elektrotechnik, Fakultät für Ingenieurwissenschaften, Universität Duisburg-Essen.

V13: Scalable optoelectronic devices based on 2D semiconductors

Poster Talks

- 2-3 slides in 3 min short presentations
- advertise your project
- the poster must not be covered in total during presentation
- in english

Poster Format

- A0
- no template
- in english