

The 7th Graphene Flagship EU-Korea Workshop on Graphene and related 2D materials

Programme



5 September 2022

Munich, Germany

Venue: [Eurostars Grand Hotel](#)

Arnulfstraße 35, 80636 Munich (Germany)

Room Rainbow 2 – Ground Floor

Workshop chairs: Prof. Jari Kinaret (Sweden) and Prof. Hyeon Suk Shin (Republic of Korea)

Programme chairs: Prof. Paolo Samorì (France) and Prof. Tae-Woo Lee (Republic of Korea)

<i>September 04th, 2022</i>		
19:00	Workshop welcome dinner at Augustiner Keller	
<i>September 05th, 2022</i>		
08:30 – 09:00	Networking breakfast	
09:00 – 09:40	Welcome and introduction Jari Kinaret, Hyeon Suk Shin, Paolo Samorì and Kwanpyo Kim	
<i>Session1</i>		
<i>Chair: Paolo Samorì</i>		
09:40 – 10:05	<i>Sang Ouk Kim, Korea Advanced Institute of Science and Technology</i>	Graphene Oxide Liquid Crystal for Real-World Graphene Applications
10:05 – 10:30	<i>Patrik Johansson, Chalmers University of Technology</i>	Next generation batteries - graphene an enabler?
10:30 – 10:50	Coffee break	

Session2		
<i>Chair: Kwanpyo Kim</i>		
10:50 – 11:15	<i>Keun Su Kim, Yonsei University</i>	Pseudogap in a surface-doped puckered honeycomb crystal
11:15 – 11:40	<i>Cecilia Mattevi, Imperial College London</i>	3D Printed Zinc Ion Batteries for Wearable Electronics
11:40 – 12:05	<i>Heejun Yang, Korea Advanced Institute of Science and Technology</i>	Van der Waals Heterostructures for Orbital Gating-Based Phototransistors and Electronic Spectroscopy
12:05 – 13:30	Lunch	
Session3		
<i>Chair: Xinliang Feng</i>		
13:30 – 13:55	<i>Sanna Arpiainen, VTT</i>	Wafer-scale graphene processing and integration on CMOS
13:55 – 14:20	<i>Kwanpyo Kim, Yonsei University</i>	Strong anisotropy of black phosphorus visualized by electron microscopy
14:20 – 14:45	<i>Paolo Samori, University of Strasbourg</i>	Boosting charge injection and charge transport in 2D transistors
14:45 – 15:10	<i>Hyobin Yoo, Sogang University</i>	Operando TEM investigation on domain dynamics in 2-D ferroelectric materials
15:10 – 15:30	Coffee break	
Session4		
<i>Chair: Hyeon Suk Shin</i>		
15:30 – 15:55	<i>Xinliang Feng, TU Dresden</i>	Organic 2D Membranes
15:55 – 16:20	<i>Jonghwan Kim, Pohang University of Science and Technology</i>	Probing deep-ultraviolet optoelectronic processes in hexagonal boron nitride
16:20 – 16:45	<i>Andrea C. Ferrari, University of Cambridge</i>	Layered Quantum Materials: Characterization and Applications
16:45 – 17:30	Final discussion Moderators: Paolo Samorì & Kwanpyo Kim	
18:30 – 20:30	Graphene Week 2022 Welcome Reception at Munich House of Artists	

List of participants

Title	Last name	First name	Institution	Country
Prof.	Kim	Kwanpyo	Yonsei University	Republic of Korea
Prof.	Kim	Sang Ouk	Korea Advanced Institute of Science and Technology	Republic of Korea
Prof.	Kim	Keun Su	Yonsei University	Republic of Korea
Prof.	Kim	Jonghwan	Pohang University of Science and Technology	Republic of Korea
Prof.	Shin	Hyeon Suk	UNIST	Republic of Korea
Prof.	Yang	Heejun	Korea Advanced Institute of Science and Technology	Republic of Korea
Prof.	Yoo	Hyobin	Sogang University	Republic of Korea
Dr	Arpiainen	Sanna	VTT	Finland
Prof.	Duesberg	Georg	Bundeswehr University Munich	Germany
Prof.	Feng	Xinliang	TU Dresden	Germany
Prof.	Ferrari	Andrea C.	University of Cambridge	United Kingdom
Prof.	Johansson	Patrik	Chalmers University of Technology	Sweden
Prof.	Kinaret	Jari	Chalmers University of Technology	Sweden
Dr	Mattevi	Cecilia	Imperial College London	United Kingdom
Prof.	Samorì	Paolo	University of Strasbourg	France

Venue



Eurostar Grand Central

Arnulfstraße 35
80636 München
Germany



Munich House of Artists – Graphene Week 2022 conference Welcome Reception

Lenbachplatz 8
80333 München
Germany