Program for Meeting on Defects in 2D Materials

Place: H	ovember 14 th , 2022 ZDR, Bautzner Landstr. 400, 01328 Dresden arge Auditorium (106/255)
10:00	Arrival, registration, coffee
Chair: Martin Kalbac	
10:30 10:35 10:40 10:45	Sebastian Schmidt: Opening and Welcome Martin Hof: Welcome Address Otakar Frank, Artur Erbe: Introduction to existing and planned collaborations Signature of cooperation agreement
Chair: Artur Erbe	
10:55	Otakar Frank: Nanoscale probing of van der Waals interactions, deformation, and charge in TMDCs in the ambient
11:30	Rajarshi Roy : Raman spectroscopic investigation of defects in suspended MoS ₂ /Graphene heterostructure generated by He ⁺ ion bombardment
11:45	Haider Golam: Van der Waals antiferromagnets for efficient detection of optical polarization
12:00 12:30	Arkady Krashenninikov : Ion irradiation of MoS ₂ /graphene nanostructures Rene Heller : Low Energy Ion Nano-Engineering Facility (LEINEF) and Medium Ion Energy Scattering (MEIS)
13:00	Lunch
14:00	Guided tour through IBC
Chair: Jürgen Fassbender	
15:00 15:20	Jaroslav Kočišek: Interaction of ionizing radiation with DNA Nikol Lambeva/Zahra Fekri/Artur Erbe: Stacking, twisting, and modifying 2D materials: Current status
15:50	Luka Pirker : Local spectroscopic and scanning probe microscopy signatures of (defects at) TMDC/metal interfaces
16:10	Coffee break
Chair: Otakar Frank	
16:40 17:00	Yi Li : Ion implantation in 2D materials Michele Gastaldo : Unveiling aspect ratio and strain scaling in MoS ₂ nanobubbles on Au
17:20 17:50	Martin Jindra : Basal plane vs. defect-related charge-transfer processes in graphene End of session
18:15 19:30	Departure for dinner location Dinner: Watzke am Goldenen Reiter, Hauptstraße 1, 01097 Dresden (by invitation)