

Agenda

Place: Europa-Jugendherberge Görlitz, Peterstr. 15, 02826 Görlitz, Tel. +49 (0)3581 6490700
 Web-site: www.hzdr.de/NanoNet-Workshop2022
 Updated: 23.09.2022 (PZ)

Tuesday, 04 October 2022

Start	Who	Durat.	Title	Notes
09:30			Departure bus Bhf. Dresden-Neustadt 'Am Weissiger Bach' at 9:45	
12:00			Lunch	
13:00	Erbe, A.	10	Welcome address	Chair: Erbe
13:10	Bussmann, M.	20+5	Understanding matter under extreme conditions at the nanoscale	
13:35	Ghosh, S.	15+5	Novel Mixed Dimensional Reconfigurable Field Effect Transistors: Fabrication and Characterization	
13:55	Khan, Bilal	15+5	Towards Atmospheric Radical Sensing: Fabrication of Junctionless Transistors	
14:15	Vardhan, V.	15+5	Junctionless Nanowire Transistor based sensors for Atmospheric pollutants and detergents	
14:35	Heinzig, A.	40+5	Reconfigurable electronics based on 1D and 2D nanostructures	
15:30		100	Coffee + Poster Session	13+2 Posters
17:30		90	Guided City Tour (start in front of hostel)	
19:00			Dinner	
20:30	Biswas, S.	15+5	Converting waste heat into electrical energy in ionic nanofluidic membranes	Chair: Khan, Bilal
20:50	Jagtap, N.	15+5	Effect of He+ implantation on nanomechanical resonators in 3C-SiC	Evening Session
21:10	Fowley, C.	15+5	Cleanroom: capabilities, recent upgrade and future plans	
21:30			Brain Storming	

Wednesday, 05 October 2022

08:30	Berencen, Y.	15+5	On the silicon-photonics route to quantum communication and computing	Chair: Prucnal
08:50	Shaikh, M.	15+5	On-chip room-temperature planar PIN Si:Te photodiodes for short-wavelength infrared detection	
09:10	Bratschitsch, R.	40+5	Single-photon emitters in 2D materials	
10:00		30	Break	
10:30	Zahn, D.R.T.	40+5	Nanospectroscopy of hybrid plasmonic / low-dimensional semiconductor structures	Chair: Zhou
11:15	Li, Yi	15+5	Modification of two-dimensional materials using ion implantation	
11:35	Fekri, Z.	15+5	Black phosphorus field-effect transistors and their applications	
11:55	Chava, P.	15+5	Tunneling transport in van der Waals heterojunctions enabled by a two-dimensional device architecture	
12:20			Group Photo (in front of canteen)	
12:30			Lunch	
13:45	Jamshidi, K.	40+5	Photonic ICs for communications and computing	Chair: Berencen
14:30	Echresh, A.	15+5	Axial p-n junction photodetectors based on single germanium nanowires	
14:50		30	Break	
15:40	Departure		Walking Tour Landeskronen or Museum Barock-Haus	Tram #2 16:00
19:00			BBQ Dinner	

Thursday, 06 October 2022

08:30	Steuer, O.	15+5	Band-gap and strain engineering in Ge _{1-x} Sn _x alloys using post-growth pulsed laser melting	Chair: Fowley
08:50	Khan, Moazzam	15+5	Group IV Nanowires for Reconfigurable Field Effect Transistors	
09:10	Fischer, I.	40+5	Integrated Refractive Index Sensors: Combining Plasmonic Nanostructures with Group-IV Devices	
10:00		30	Break	
10:30	Frank, O.	40+5	Nanospectroscopic fingerprints of van der Waals interactions in 2D materials	Chair: Georgiev
11:15	Krause, M.	15+5	High-temperature in-air stable transparent conductive oxide SnO ₂ :Ta	
11:35	Garcia, A.	15+5	Environment-dependent friction, Raman and μ -RBS study of MoS ₂ coatings deposited by filtered Laser-Arc	
12:00		10	Prize Ceremony	
12:30			Lunch	
14:00			Departure: Bus Stop 'Nikolai-Turm' - 5 min. walk	

Breakfast will be served from 7:30 am. Most rooms will be available at arrival, latest 4 pm.