

## Current Topics of Nanostructure Physics

Prof. Dr. Jörg Lindner

Winter semester 2021/2022

On Mondays 2:00-4:00 p.m., room Y2.301

Date	Lecturer	Title	Presenter Minipresentation 1	Presenter Minipresentation 2
11.10.	Jörg Lindner	Report from the ICPAM-13 Conference: New applications of CNTs	Julius Bürger: TEM of tool steels tailored for additive manufacturing	
18.10.	Christian Zietlow	Noise statistics and gain corrections	Jannik Weiss: Ion implantation into nanospheres	Thomas Riedl
25.10.			Kevin Gossen: Nano imprint lithography	Colin Wessel: Growth of SiO <sub>x</sub> on PS nanomasks using TEOS
8.11.			Annika Wolff: Nanosphere lithography on prepatterned Si substrates	
15.11.	Vinay Kunnathully Philipp Hodges	Selective area epitaxy Ion interactions with nanostructures		
22.11.	David Wolke	Entwicklung einer Applikation zur Modellierung nanostrukturierter Oberflächen u. Berechnung ihrer optischen Reflektivität		
29.11.	Maja Groll	STEM-DPC on 2D materials	Harikrishnan Venugopal	
6.12.	Daniel Kool	Plasmonic effects in inverted nanostructures	Kaustav Das: PVA thin films	
13.12.	Sujan Yerasi	Fabrication of ordered Si nanopillars using block copolymer lithography and metal assisted chemical etching	Alex Stratmann: Project course	
10.01.	Jannik Weiss	Ion implantation into polystyrene nanospheres		
17.01.	Alex Stratmann	Theory of dissolution of polymers	Thomas Riedl	
24.01.	Kevin Gossen	Superhydrophobic surfaces		
31.01.	Thomas Riedl	Extended defects in heteroepitaxial semiconductors - Part 2		