

## Summer Institute Complex Plasmas, Kiel (2016)

	Monday 8.8.	Tuesday 9.8.	Wednesday 10.8.	Thursday 11.8.	Friday 12.8.
08:00 - 09:00					
09:00 - 10:00	Dusty plasmas: an overview of basic properties and future directions Edward Thomas Jr. Auburn University	Application of Low Temperature Plasma to Pattern Transfer in the Semiconductor Industry Gottlieb Oehrlein University of Maryland	Introduction to Particle in Cell Simulations Sita Sundar CAU Kiel	Frontiers in highly compressed plasmas and Warm dense Matter Michael Bonitz CAU Kiel	Microplasmas: Fundamentals, Applications, and Challenges Jose Lopez Seton Hall University
10:00 - 11:00	Experiments and Simulation of nanoparticles Iris Pilch Linköping University	Plasma-liquid interactions: fundamentals, challenges Peter Bruggeman University of Minnesota	Influence of volume and surface processes in dielectric barrier discharges Robert Tischersch Greifswald University	Monte Carlo simulations for classical and quantum plasmas Simon Groth CAU Kiel	Introduction to stationary and time-dependent density functional theory Eckhard Pehlke CAU Kiel
12:00 - 13:00	Lunchbreak	Lunchbreak	Lunchbreak	Lunchbreak	Lunchbreak
13:00 - 14:00	Addressing long time scales in molecular simulations Erik Neyts University of Antwerp	Molecular dynamics simulations of surface processes Jan-Willem Abraham CAU Kiel	Methods for non-conventional plasma and sheath diagnostics Holger Kersten CAU Kiel	Progress and challenges in Plasma medicine Thomas von Woedtke INP Greifswald	
14:00 - 15:00	Diagnostics of dusty plasmas Dietmar Block CAU Kiel	Classical strongly coupled plasmas: Theory and simulation Hanno Kählert CAU Kiel	Poster Session	Plasma deposition of nanoparticles and thin films Thomas Strunskus CAU Kiel	
16:00 - 17:00					
17:00 - 18:00	Welcome reception starting 17:30				Farewell get-together starting 17:30