

<i>Date / Time</i>	<i>Lecture</i>	<i>Speaker</i>
Mon, 25		
14.15 – 14.45	Lab tour Mechanical testing	Dr. Konrad Schneider
14.45 – 15.15	Lab tour <i>open to interest</i>	N.N.
15.15 – 15.45	Lab tour Electron Microscopy	Dr. Petr Formanek
16.15 – 17:45	Introduction to IPF and DHU	Prof. Voit and Prof. Zhu
Tue, 26		
09.00 – 09.40	Organic-inorganic hybrids and their applications in the field of energy, environment, and bio-medicine.	Prof. Meifang Zhu
09.40 – 10.20	Smart Soft Matter – from Polymersomes to Hydrogel Actuators	Prof. Brigitte Voit
11.00 – 11.30	Perylene Tetra-carboxylic Diimides Substituted at Bay Area: Molecular Architecture, Synthesis, and Self-assembly	Prof. Bin Sun
11.30 – 12.00	Self-assembly of Dendrimers	Dr. Dietmar Appelhans
12.00 – 12.30	Polyoxazoline based Smart Nanogels	Prof. Juan Rueda, PUCP
13.30 – 14.00	Lab tour Surface Characterization	Dr. Cornelia Bellmann
14.00 – 14.30	Lab tour Melt Spinning	Norbert Smolka
15.00 – 15.30	Functionalized graphite derivatives for applications in Composites	Dr. Jürgen Pionteck
15.30 – 16.00	2D@TUD and Electrochemical Production of Graphene	Dr. Martin R. Lohe, TUD, Feng group
16.00 – 16.30	Controlling of the Matrix-Fibril Morphologies in Polypropylene/Polystyrene Blend fibers	Prof. Long Chen
16.45 – 17.15	Online Analytics applied to Single Droplet Levitation	Dr. Werner Pauer
17.15 – 17:45	Structural Health Monitoring of glass fibre reinforced thermoplastic composites - using different carbon allotropes in the interphase	Dr. Michael T. Müller
17.45 – 18.30	General Discussion	All
Wed, 27		
09.00 – 09.30	Polymers for Optoelectronic Applications	Dr. Anton Kiriý
09.30 – 10.00	Electrospun nanostructures for excitonic solar cells	Ass. Prof. Shengyuan Yang
10.00 – 10.30	Strain sensing properties of polycarbonate fibers with carbon fillers	Roberto Bautista
11.00 – 11.30	Electrospinning of clickable Polymer for the application in catalysis	Franziska Exnowitz
11.30 – 12.00	Preparation and Optimization of Polyvinylidene Fluoride (PVDF) Triboelectric Nanogenerators via Electrospinning	Prof. Yu Hao
12.00 – 12.30	Silver nanoparticle-based surface plasmonic resonance photocatalysts, the design and the applications	Xiaohuan Ji
13.30 – 14:00	Lab tour Processing	Bernd Kretzschmar
14.00 – 14:30	Lab tour Processing with e-Beam Irradiation	Dr. Michael Müller
15.00 – 15.30	Smart surfaces with responsive & switchable properties based on polymer brush systems	Dr. Stefan Adam

IPF-DHU Workshop on Functional Materials

July 25 to 28, 2016

Place: Konferenzsaal

Status: as of July 7, 2016

15.30 – 16.00	Vapor sensing properties of fibers prepared by wet spinning from poly(styrene-b-butylene-b-styrene) containing multi-walled carbon nanotubes	Xingping Wang
16.00 – 16.30	Modelling of Polymer Brushes	Prof. Holger Merlitz
16.30 – 17.00	Segmental dynamics of spin-labeled polyacids in polyelectrolyte multilayers and polyelectrolyte complexes studied by EPR spectroscopy	Dr. Uwe Lappan
17.00 – 18:00	Discussion of potential collaboration	All
Thu, 28	Individual Discussion Departure	