

12TH IPF COLLOQUIUM

Multifunctional Polymeric Materials:

From functional nanofillers to bioinspired materials and smart surfaces

November 10, 2016

Provisional schedule (as of August 1, 2016)

10:15	Brigitte Voit (Dresden, Germany)	Opening
<i>Multifunctional polymeric materials through nanofillers and controlling processing</i> Chair: Gert Heinrich		
10:25	De-Yi Wang (Madrid, Spain)	Nano fire retardant to polymers: Where we are and where we go
10:55	Hossein Khonakdar (Tehran, Iran)	Evaluating the reactive blending of PET/PEN and its nanocomposites in a twin-screw extruder: Theoretical and experimental studies
11:25	Andreas Leuteritz (Dresden, Germany)	UV-light protection of polyolefines using LDH nanofillers
11:50	René Androsch (Halle, Germany)	Crystallization of polymers at processing-relevant cooling conditions
12:15	<i>Lunch break</i>	
<i>Bio-inspired materials and materials for medical applications</i> Chair: Carsten Werner		
13:15	Philipp Seib (Strathclyde, United Kingdom)	Exploring silk as a nanomedicine
13:45	Thomas Scheibel (Bayreuth, Germany)	Bio-inspired polymer materials
14:15	Yixin Zhang (Dresden, Germany)	Screening of non-covalent interaction: from drug screening to biomaterials discovery
14:45	Ben Newland (Dresden, Germany)	Development of injectable materials for cell and drug delivery
15:10	<i>Break</i>	
<i>Smart surfaces</i> Chair: Andreas Fery		
15:40	Matthias Schubert (Lincoln, USA)	Anisotropic optical contrast microscopy and functionalized nanostructured surfaces: A new imaging modality for small molecule detection and cell-surface interactions
16:10	Petra Uhlmann (Dresden, Germany)	Control of biointeractions using polymer brushes combined with 3D nanostructures
16:35	Alla Synytska (Dresden, Germany)	Design of bio-inspired functional surfaces using core-shell particles self-assembly
17:00	Eduard Arzt (Saarbrücken, Germany)	Bioinspired surfaces - from science to application
17:45	<i>Break</i>	
18:00	Poster discussion	
18:30	<i>Get together</i>	