

Dresden Science Night 2018

Leibniz-Institut für Polymerforschung Dresden e. V.

		<i>Building</i>	<i>Floor</i>	<i>Room</i>
Lectures				
20:00	Leichtbau an der Grenze des Machbaren Leight-weight construction at its best Lecture in German language on superlight high-performance reinforced parts, mostly made by the Tailored Fibre Placement (TFP) technology; with demonstrator objects	H	2	201
18:15	Chemistry for kids Interactive and experimental lecture for children about synthesis and properties of polymers; in German language	H	2	201
19:15 - 22:30	Do-it-yourself-experiments, especially for kids Polymer synthesis and physics	B	ground floor	1
Open labs and pilot plants (18:00 Uhr to 0:30)				
1	Relax ans Release: Drug release from polymer films, especially for bone healing	W	2	213/214
2	Red Gold: Optical effects in materials layers explained by the example of thin gold layers and nanoparticles	W	2	218
3	Surface modification by plasma jet	W	basement	19
4	Get into (blood) contact! Interaction between material and blood in medical devices	B	2	211
5	Magnetic resonance spectroscopy (NMR and EPR) to study structure and dynamics	B	basement	07
6	Making tiny things visible: Light and electron microscopy	L	basement	09
7	Polymer processing: Extrusion and injection moulding	T	ground floor	Technikum
8	Polymer processing: 3D printing	T	ground floor	10
9	Glassblower's workshop	T	basement	016
10	Synthesis of biogenic 'green' polymers for new materials	P	ground floor	4a
11	In-line modification of surfaces fibre-reinfordced plastics components to allow coating	P	ground floor	4c
12	Hightec-structures from the stitching machine for applications from medical implants up to aircrafts	P	ground floor	6
13	Infrared thermography to study deformation and fracture	H	2	216
14	Microplastics in the environment: Identification by Raman and IR spectroscopy	H	2	211
15	Molecules in competition: Chromatography for investigation of substances	H	2	224

16	Nanolayers fight bacteria and dirt: Thin polymwer films with easy-to-clean, anti-microbial and anti-fogging properties	H	1	126
17	Temperature profiles and exceptional portraits made by an infrared camera	H	1	126
18	Reinforcing fibres in composites - controlling adhesion and composite performance	H	1	119
19	Crash test for drops: From the investigation of drops by means of super slow-motion cameras to application of wetting phenomena	H	ground floor	17
20	Fascination rubber: Development of novel elastomeric materials	H	ground floor	12
21	Design and production of specific research equipment	H	ground floor	11
TUD/ITM	From the 3D scanner to the additively manufactured product	H	1	142
Further activities				
	Art exhibition "Japan - Poetry in architecture" Drawings by Peter Herrig-Berthold	H	ground floor	Foyer
	Quiz	H, B	ground	Foyer
	FIFA World Cup		courtyard	
	Beer garden		courtyard	