

"The One and Only Virtual"

8. Treffen Alumni und Partner Prof. Wilhelm 17.9.2021

8. Treffen Alumni & Partner

Prof. Wilhelm

17. Sept. 2021

PART I
Scientific
presentations



Agenda
Fr., 17. Sept 2021

"The One and Only Virtual"



Main Session : Scientific Work in the Group

Place: "Alumni-Hörsaal"

09:00 Start

09:00	Welcome	Wilhelm, Manfred
09:00	Overview over the group activities	
09:30	Structure-Foaming Properties Relationship: Strain Hardening Branched Polystyrene Model Systems	Faust, Lorenz
09:40	Correlation of Macromolecular Properties with the Foaming Behavior of Polymers	Röpert, Marie-Christin
09:50	A combination of anionic polymerization and polycondensation	Heck, Matthias

10:00 Pause 1 (20 min to relax from online session)

10:20	Rheological investigations of glass-forming colloidal suspensions	Fischer, Lea
10:30	Chemico-physical Properties of Cross-linked Hyaluronan Based Hydrogels	Linko, Alexander
10:40	Extrusion Flow Instabilities of Model Filled Compounds: Experiments and Modeling	Georgantopoulos, Christos
10:50	Karlsruhe die, first normal stress difference measurement with capillary rheometer	Khabazian, Masood

11:00 Pause 2 (20 min to relax from online session)

11:20	Rheo-X combined techniques: Academic engagement vs. Industrial application / commercialisation	Figuli, Roxana
11:30	Nanoscopic insight into polymer gelation using a combined Rheo-NMR setup	Fengler, Christian
11:40	Coupled Rheo-Dielectric: Investigation of Charge Transport and Polymer Dynamics	Hoffmann, Maxi
11:50	Development of Rheo-IR for in-situ mechanical and chemical analysis of complex materials	Radebe, Nonkululeko

12:00 Lunch Break (60 min to get a lunch)

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PART II
Online
Lab Tour



PART III
Free
Discussions

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After Lunch Session: Scientific work II

Place: "Alumni-Hörsaal"

13:00	<i>Start</i>	
13:00	New synthetic routes, rheology and mechanics of model branched polymers and multiblock copolymers	Hirschberg, Valerian
13:10	SEC-NMR: State of the Art	Botha, Carlo B.
13:20	Modern HPLC Methods: Modified Injection and MR-NMR Detection	Matz, Markus
13:30	Challenges and Opportunities of chemically-sensitive detection of end-groups by means of SEC coupled with infrared detection	Pollard, Micheal
13:40	SEC hyphenated Quantum Cascade Laser IR spectroscopy for high end detection of functional groups	Üzümcü, Ahmet
13:50	Summary, Introduction of Labtours and Discussions	Wilhelm, Manfred

"The One and Only virtual" - Labtour Session

Place: "Alumni-Labor 1,2,3"

14:00	<i>Start</i>	
14:00	Video Labtour 1, choosable out of 3 digital rooms: A: Combined Methods with Rheology (Rheo-X, X= IR, NMR, Dielectric) B: Combinations with Size Exclusion Chromatography (SEC-X, X=NMR, IR, QCL) C: New equipment (Stress-Strain Machine, Light Scattering)	
14:10	Discussion and questions to Video Labtour	
14:20	<i>Video Labtour & Discussion 2, choosable out of 3 digital rooms (similar to above)</i>	
14:40	<i>Video Labtour & Discussion 3, choosable out of 3 digital rooms (similar to above)</i>	

Choose one of three videos about combined methods and new equipment. Discuss after the video with the responsible scientists

"The One and Only virtual" - Discussion Session

Place: "WorkAdventure"

15:00	<i>Start</i>	
15:00	Time for discussions! Meet in the entrance hall or in different discussion rooms	You can also create private discussion with keyword protection if needed

"The One and Only virtual" - Farewell Session

Place: "Alumni-Hörsaal"

16:00