



DWI | RWTH Aachen University Summer School

sponsored by **LANXESS**
Energizing Chemistry

mit Vorträgen aus den Bereichen
Advances in Polymer Materials
&
Innovations in Process Engineering

wann:

06.-07. Juli

wo:

DWI – Leibniz - Institut für Interaktive Materialien

Forckenbeckstraße 50, 52074 Aachen

Kostenlos für Hochschulangehörige und Forschungsinstitutsmitarbeiter

150 € für Industrievertreter

Anmeldung bis zum 30.06. 2017 über:

contact@dwirwth-aachen.de

Weitere Informationen finden Sie unter www.dwirwth-aachen.de

**Advances in Polymer Materials &
Innovations in Process Engineering**

July 06-07, 2017 DWI – Leibniz-Institut für Interaktive Materialien e.V.
Forckenbeckstr. 50, 52074 Aachen

	Thursday, July 06, 2017
17:00	Eintreffen und Begrüßung
17:15	Wiebe de Vos , University of Twente Polyelectrolyte Multilayers: From material properties to membrane performance
18:00	Volker Abetz , Universität Hamburg Self-assembly of block copolymers in solution and films
19:00	Get-Together
	Friday, July 07, 2017
09:00	Axel Tuchlenski , LANXESS Deutschland GmbH Winning in the world of engineering plastics with cost leadership & innovation
09:30	Herman Dikland , ARLANXEO Deutschland GmbH Elastomers in Use - "Soft" Materials in unexpected Applications.
10:00	Bas van Genabeek , Eindhoven University of Technology Dispersy under Scrutiny: A study of the limits of block copolymer self-assembly
10:25	Stefan Mommer , DWI – Leibniz-Institut für Interaktive Materialien e.V. Homocysteine thiolactone as a structural key motif in polymer sciences
10:50	Coffee Break
11:30	Christoph Englert , Friedrich-Schiller-Universität Jena Cationic polymers made from poly(2-oxazoline)s for biomedical applications
11:55	Timo Christian Hees , Albert-Ludwigs-Universität Freiburg Nanocellulose-aerogel supported iron catalysts and self-reinforcing all-polyethylene composites
12:20	Hannah Rothfuss , Queensland University of Technology Platinum(II)-Crosslinked Single-Chain Nanoparticles
12:45	Steffen Vowinkel , Technische Universität Darmstadt Novel Concepts for Porous Hybrid Materials by Smart Design of Core-Shell Particles

13:10	Lunch Break and Poster Session
14:30	Hanns Kuhlmann , TU Dortmund Phenomena-based Process Synthesis – Total Process Intensification or Unnecessary Effort?
14:55	Julian Meyer-Kirschner , RWTH Aachen Reliable In-line Polymerization Monitoring by Linking Process Analytical Technology with Model-based Spectral Evaluation
15:20	Robert Hegner , Universität Duisburg-Essen Fuel-rich operated HCCI-Engines for Polygeneration
15:45	Fabian Grunert , University of Twente Prediction of in-rubber dispersibility of silica by analytical methods
16:10	Short Break
16:45	Awarding of the LANXESS Talent Awards 2017