

## Scientific Program at a glance

	Morning	Afternoon
<b>Monday, Aug 26, 2019</b>	<b>Andreas Seidel-Morgenstern:</b> 9.00 (Max Planck Institute for Dynamics of Complex Technical Systems) <i>Opening of the Summer School</i>	<b>Daniele Marchisio:</b> 14.00 – 15:00 (Politecnico Torino) <i>“Population Balances and Computational Fluid Dynamics for Particulate Systems”</i>
	<b>Achim Kienle:</b> 9.15 – 10.45 (Otto-von-Guericke University) <i>“Introduction to population balance modeling of particulate processes”</i>	<b>Antonio Buffo:</b> 15.00 – 17.30 (Politecnico Torino) <i>“Quadrature-Based Moments Methods: a Simple Tutorial”</i>
	<b>Dominique Thévenin:</b> 11.15 – 12.45 (Otto-von-Guericke University) <i>Intro “Fluid Dynamics”</i>	<b>Barbecue in the MPI Garden</b>
<b>Tuesday, Aug 27, 2019*</b>	<b>Aleksandar Donev:</b> 8.00 – 12.30 (New York University) <i>“Brownian Hydro Dynamics of Particulate Suspensions”</i>	<b>Aleksandar Donev:</b> 14.00 – 15.30 (New York University) <i>“Brownian Hydro Dynamics of Particulate Suspensions”</i>
		<b>Sabine Le Borne:</b> 16.00 – 17.30 (Hamburg University of Technology) <i>“Numerical Techniques for Particle Aggregation”</i>
<b>Wednesday, Aug 28, 2019</b>	<b>Heike Lorenz:</b> 8.30 – 10.00 (Max Planck Institute for Dynamics of Complex Technical Systems) <i>“Solid-liquid Phase Diagrams: Application and Impact on Material’s Phase Behavior”</i>	<b>Richard Braatz:</b> 13:00 – 14.30 (Massachusetts Institute of Technology) <i>“Modeling, Sensing, Design, and Control of the Continuous Manufacturing of Protein Crystals”</i>
	<b>Richard Braatz:</b> 10.30 – 12.00 (Massachusetts Institute of Technology) <i>“Mathematical Modeling, Real-time Sensing, and Parameter Estimation for Protein Crystallization in Droplet-based Systems”</i>	<b>Canoe Excursion at the Elbe River and Conference Dinner</b>

<p><b>Thursday, Aug 29, 2019</b></p>	<p><b>Heike Bunjes:</b> 8.30 – 10.00 (Technische Universität Braunschweig) <i>„Overcoming Pharmaceutical Formulation Challenges with the Help of Colloidal Drug Delivery Systems “</i></p> <p><b>Andreas Bück:</b> 10.30 – 12.00 (Otto-von-Guericke University/Friedrich-Alexander-University of Erlangen-Nürnberg   FAU) <i>“Spray Fluidized Bed Granulation and Coating ”</i></p>	<p><b>Evangelos Tsotsas:</b> 13.00 – 14.30 (Otto-von-Guericke University/Friedrich-Alexander-University of Erlangen-Nürnberg   FAU) <i>“Spray Fluidized Bed Agglomeration ”</i></p> <p><b>Markus Busch:</b> 15.00 – 16:00 (Technische Universität Darmstadt) <i>“From Process to Structure – Modeling in Polymer Reaction Engineering on Different Scales”</i></p> <p><b>Michael Wulkow:</b> 16:30-18.00 (CiT GmbH Rastede) <i>“Modular Modeling, Parameter Estimation and Optimization in Polymer Reaction Engineering”</i></p>
<p><b>Friday, Aug 30, 2019</b></p>	<p><b>Christian Borchert:</b> 8.30 – 10.00 (BASF) <i>„Industrial Polymerization and Crystallization: How Theory helps Solving Practical Problems (and how not)”</i></p> <p><b>Chris Burcham:</b> 10.30 – 12.00 (Ely Lilly, Indianapolis) <i>„Establishing API Physical Property Requirements and Development of the Crystallization Processes to achieve them”</i></p>	<p><b>Chris Burcham:</b> 13.00 – 14.30 (Ely Lilly, Indianapolis) <i>„Development of a Pharmaceutical Continuous Crystallization Processes”</i></p> <p><b>Andreas Seidel-Morgenstern:</b> 14:30 (Max Planck Institute for Dynamics of Complex Technical Systems) <i>Final Remarks</i></p>
<p><b>*On Tuesday, Aug 27, 2019, a CORE session will run in parallel as follows:</b></p>	<p><b>Dominik Frisch:</b> 08.30 – 12.30 (Fischerfrisch) <i>“Soft Skills in Scientific Teams”</i></p>	<p><b>Martin Gerlach, Sabine Kirschtowski:</b> 14.00 – 15.30 (OVGU) <i>“Title TBC”</i></p>