

9th BioSC Spotlight

„The Bioeconomy of Wood“



March 5, 2024 | 10:00 am - 4:00 pm | RWTH Aachen | NGP²-Center for Next Generation Processes and Products

09:30	Registration and Welcome Coffee
10:00	Welcome and Introduction <i>Ulrich Schurr, Forschungszentrum Jülich, IBG-2 Plant Sciences / BioSC</i>
10:10	Processes for Products - NGP² Biorefinery <i>Jörn Viell, RWTH Aachen, NGP²-Center for Next Generation Processes and Products / BioSC</i>
I.	Wood as a resource
10:25	Yes, wood can! Wood as a versatile resource for the bioeconomy <i>Andreas Kleinschmit von Lengefeld, Homo Silvestris Europae</i>
11:15	Coffee Break
II.	Raw materials and processing
11:45	Bio-based polymers from lignocellulosic biomass: selected applications as advanced materials <i>Alessandra Operamolla, Università di Pisa, NanoLeaves Lab</i>
	Cell wall polysaccharides in paper as seen by carbohydrate binding module fluorescence nanoscopy <i>Tobias Meckel, TU Darmstadt, Macromolecular and Paper Chemistry</i>
	Short presentations of PhD theses How lignocellulose composition can predict biomass processability <i>Jimena Martinez Diaz, Forschungszentrum Jülich, IBG-2 Plant Sciences / BioSC</i> Tailoring lignin extraction with OrganoCat processes <i>Leonie Schoofs, Forschungszentrum Jülich, IBG-2 IBG-2 Plant Sciences / BioSC</i>
13:15	Lunch
III.	Innovative products
14:15	Short presentation of PhD thesis Build with nature: Biomechanical performance of self-growing connections in interconnected trees <i>Xiuli Wang, Engineering Structures, Biobased Structures and Materials, Delft University of Technology, NL</i>
	Construction and design approaches for wood and wood-based materials <i>Denis Grizmann, RWTH Aachen, Materials Science & Engineering Profile Area</i>
	LignoTex – Validation of lignin for applications in the textile industry <i>Sascha Schriever, RWTH Aachen, ITA Institut für Textiltechnik / BioSC</i>
	Modellfabrik Papier – Leading the way for sustainable paper production <i>Peter Bekaert, Modellfabrik Papier, Düren</i>
16:00	Closing remarks <i>Holger Klose, Forschungszentrum Jülich, IBG-2 Plant Sciences / BioSC</i>
	Get-together Guided tour through the NGP² Biorefinery (Sign up at registration) <i>Jörn Viell, RWTH Aachen, NGP²-Center for Next Generation Processes and Products / BioSC</i>