

## Sunday, 4<sup>th</sup> December

<b>17:00</b>	<b>19:00</b>	<b>Registration Opens at Clarion Hotel</b>
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## Monday, 5<sup>th</sup> December

<b>7:30</b>	<b>Registration at Conference Venue, Clarion Hotel</b>	
8:45	9:00	Opening remarks
<b>Podium Talks</b>	<b>Presentation title</b>	<b>Session</b>
9:00	9:30	<b>Polymeric-based materials in hydropower bearings: Challenges and Opportunities: Jan Ukonsaari, Vattenfall, Sweden</b>
9:30	9:50	Material properties of heat resistant polyamide GENESTARTM PA9T for gear applications: Kazuma Yanagisawa, Kuraray Co. Ltd., Tokyo, Japan
9:50	10:10	Tribological solutions with sustainable HOSTAFORM® POM ECO-B materials: Qamer Zia, Celanese Services GmbH, Frankfurt, Germany
10:10	10:40	<b>Polymer based tribomaterials for heavy equipment: Patrick De Baets, Ghent University, Belgium</b>
10:40	11:10	Coffee Break
11:10	11:40	<b>Polymer Tribology in Hydrogen: Yoshinori Sawae, Kyushu University, Japan</b>
11:40	12:00	New approach for accurate determination of Influence of Humidity on (Static) friction between Polymer-Steel Tribocontacts: Paul Staudinger, Anton Paar GmbH, Graz, Austria
12:00	12:20	Tribological evaluation of thermosets in lubricated conditions: Sebastjan Matkovič, University of Ljubljana, Slovenia
12:20	12:40	Development of BSR Thermoplastic Grades at SABIC© Specialties: Erik Schwartz, SABIC, The Netherlands
12:40	13:10	<b>Effect of hydrogen pressure on the fretting behavior of elastomers: Géraldine Theiler, Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany</b>
13:10	14:10	Lunch Break
14:10	14:40	<b>The importance of environmental impact assessment in the product's life cycle: Life Cycle Assessment and Sustainable Development: Mitja Mori, University of Ljubljana, Slovenia</b>
14:40	15:10	<b>Influence on the tribological properties caused by different specimen fabrication methods: Tanja Stiller</b>
15:10	15:30	Short cellulose fiber composites as sustainable tribo-materials: Lucas Kneissl, Luleå University of Technology, Sweden
15:30	15:50	Real contact area evolution of POM in sliding contacts with low sliding speed: Petra Jan, University of Ljubljana, Slovenia
15:50	16:10	Synergistic effect of multiscale reinforcement on wear of wood polymer composites: Zainab Al-Maqdasi, Luleå University of Technology, Sweden
16:10	16:40	Coffee Break

Podium Talks		Presentation title	Session
16:40	17:10	<b>Oil-lubricated polymer contacts of high-performance gears: Thomas Lohner, Technical University of Munich, Germany</b>	Lubrication
17:10	17:30	Impact of aged lubricants on tribology of elastomer-based sealing materials: Martin Tockner, Polymer Competence Center Leoben GmbH, Leoben, Austria	
17:30	17:50	Lubrication of high-performance polymers with biodegradable esters: Effects of temperature and aging: Pedro Martins Ferreira, University of Ljubljana, Slovenia	
17:50	18:10	In-situ microscopy for polymer transfer film characterisation: Kian Kun Yap, Imperial College London, UK	
<b>18:10</b>	<b>18:15</b>	<b>First day ends</b>	
<b>Conference Dinner at 19:30</b>			

<b>Tuesday, 6<sup>th</sup> December</b>			
<b>8:00</b>	<b>Registration at Conference Venue, Clarion Hotel</b>		
Podium Talks		Presentation title	Session
8:30	9:00	<b>Properties of Delignified Compacted Wood: Bernd Wetzler, Leibniz-Institute fuer Verbundwerkstoffe GmbH (IVW), Germany</b>	Industry and Applications II
9:00	9:20	Polyurea Thickened Lubricating Grease—The Effect of Degree of Polymerization on Rheological and Tribological Properties: Patrick Degen, Carl Bechem GmbH, Hagen, Germany	
9:20	9:40	Lubrication on Demand & New Interactive Functionalities of Plastic Elements by Microcapsules: Stephan Henzler, Carl Bechem GmbH, Hagen, Germany	
9:40	10:00	Polymers tribology in food packaging equipment: Silvia Rossi, Tetra Pak Packaging Solutions Spa, Modena, Italy	
10:00	10:30	Coffee Break	
10:30	11:00	<b>Tribological performance of PA nanocomposites and micro-nanocomposites: Helena Ronkainen, VTT Technical Research Center, Finland</b>	Composites and Modeling
11:00	11:20	Novel twin-disc tribometer setup with small slip conditions for composite materials: Balazs Jakab, AC2T research GmbH, Austria	
11:20	11:40	All-Hydrocarbon Single Component Composites with Structure Formation under Tribological Loading: Raimund Jaeger, Fraunhofer Institute for Mechanics of Materials IWM, Freiburg, Germany	
11:40	12:00	A statistics-based approach to polymer durability: enabling AI?: Dirk Drees, Falex Tribology NV, Rotselaar, Belgium	
12:00	12:20	In-situ tribological observation of macro and nano-sized structures applied on thiol-acrylate photopolymers: Andreas Hausberger, Polymer Competence Center Leoben GmbH, Leoben, Austria	
12:20	13:30	Lunch Break	

Podium Talks		Presentation title	Session
13:30	14:00	<b>Are low friction coatings based on transition-metal dichalcogenides good solutions for sliding against polymers?: Albano Cavaleiro, University of Coimbra, Portugal</b>	Surface Phenomena
14:00	14:20	Development of ternary atmospheric plasma deposited coatings generated under low oxygen conditions with low-friction properties on thermoplastic surfaces: Dietmar Kopp, JOANNEUM RESEARCH GmbH, Austria	
14:20	14:40	Upscaling the Thickness of Metallic Coating on Polymer Surface: Sandra Carvalho, University of Coimbra, Portugal	
14:40	15:00	Frictional nanosoldering sheets of pseudocomposite for reducing surface roughness in electrical: Paul Olaru, MNT Research Lab, IMNR-Bucharest, Romania	
15:00	15:30	<b>Coffee Break</b>	
15:30	15:50	The choice for thermoplastic lubrication by surface and interfacial energies: Christof Koplín, Fraunhofer Institute for Mechanics of Materials IWM, Freiburg, Germany	Thermoplastics
15:50	16:10	Influence of load, sliding speed and heat-sink volume on the tribological behaviour of polyoxymethylene (POM) sliding against steel: Muhammad Siddiqui, University of Ljubljana, Slovenia	
16:10	16:30	Mechanical and tribological characterization of commercially available PEEK composites for demanding environments: Maksim Nikonovich, Luleå University of Technology, Sweden	
16:30	16:50	In-situ transfer film measurement: Andreas Gebhard, Leibniz-Institute fuer Verbundwerkstoffe GmbH (IVW), Germany	
16:50	17:10	Wave power - new tribological challenges for reciprocating motion in the offshore environment: Antoine Bonel, CorPower Ocean, Sweden	
17:10	17:15	<b>Final remarks</b>	