

## TPE World Summit 2020

### Online agenda

#### Day one – Tuesday 15 December 2020

All times are shown in GMT

12:25 <b>Welcome to the event, <a href="#">Smithers</a></b>
12:30 <b>Chair's opening remarks</b> <b><a href="#">Dr Krishna Venkataswamy</a>, Executive Vice President, <a href="#">Star Thermoplastics</a></b>
12:40 Keynote address: <b>Drivers for change in the car industry</b> <ul style="list-style-type: none"> <li>• Lightweighting as an enabler for electrification</li> <li>• Sustainability</li> <li>• Mass production</li> <li>• Affordability</li> </ul> <b><a href="#">Alan Banks</a>, Lightweight Structures Supervisor - Innovation and Research, <a href="#">Ford Motor Company</a></b>
<b>TPE market review, industry challenges and outlook</b>
13:05 <b>The Future of Thermoplastic Elastomers and the Influence of COVID-19</b> <b><a href="#">Patrick Ellis</a>, Consultant, <a href="#">Smithers</a></b>
13:30 <b>Raw Materials Review and Outlook</b> <ul style="list-style-type: none"> <li>• Market Review and Outlook</li> <li>• Price and Margin Analysis</li> <li>• Key Takeaways</li> </ul> <b><a href="#">Xuesong Peng</a>, Market Insight Program Manager, <a href="#">Nexant Ltd</a></b>
<b>Innovations in applications and materials</b>
13:55 <b>Infinergy® - designing material characteristics to meet the needs of different applications</b> <ul style="list-style-type: none"> <li>• Introduction to Infinergy®</li> <li>• Exemplification of processing and the final performance range</li> </ul> <b><a href="#">Eva Haase</a>, Technical Development <a href="#">Infinergy®</a> &amp; <a href="#">Dr. Elmar Pöselt</a>, Group Leader Product Development <a href="#">Infinergy</a>, <a href="#">BASF Polyurethanes GmbH</a></b>
14:20 Break
14:40 <b>TPO based waterproofing membrane using post consumer / industrial recycle</b> <b><a href="#">Aschak Damani</a>, Executive Director &amp; CEO, <a href="#">ZYLOG ELASTOCOMP, INDIA</a></b>
15:05 <b>Future drivers for tpes in auto interiors</b> <ul style="list-style-type: none"> <li>• changes in functional requirements for interior components,</li> <li>• implementation of 5G systems,</li> <li>• signal sending/receiving,</li> <li>• acoustic requirements,</li> <li>• image projection</li> <li>• fabrication technology shifts for interior components</li> <li>• forces reshaping of the supply chain.</li> </ul> <b><a href="#">Bob Eller</a>, <a href="#">Robert Eller Associates LLC</a></b>
15:30 <b>Material Design of Highly Soft TPV : High Elasticity and Injection Molding Compatibility</b> <ul style="list-style-type: none"> <li>• Introduction of advanced TPV; <a href="#">JSR EXCELINK®</a></li> <li>• Design concept of highly soft TPV for injection molding</li> </ul>

<ul style="list-style-type: none"> <li>Insight into micro-scale morphology of TPV for high elasticity and processing ease</li> </ul> <p><b>Ryoji Usui, Senior Research Scientist, JSR Corporation</b></p>
<p><b>15:55 Added strength and versatility through the use of fumed silica in TPU/TPC/TPA material formulations</b></p> <ul style="list-style-type: none"> <li>Fundamentals: What is Fumed Silica?</li> <li>Fundamentals: Proven reinforcement effect of Fumed Silica in elastomer systems and proven compatibility with polyurethane and other systems</li> <li>- Affected properties when adding Fumed Silica to TPEs</li> </ul> <p><b>Dominique Strässler, Global Segment Manager – Plastics, Cabot Switzerland GmbH</b></p>
<p><b>16:20 Chair’s closing remarks and end of day one</b></p>

## Day two – Wednesday 16 December 2020

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<p>12:30 Chair’s opening remarks:</p> <p><b>Stefan Roth, Professor, University of Applied Sciences Schmalkalden</b></p>
<p style="text-align: center;"><b>Sustainability, recycling and the circular economy</b></p>
<p><b>12:40 Keynote address: sustainability, recycling and the circular economy</b></p> <p><b>Walter Ripple, Vice President Sustainability, Avient</b></p>
<p><b>13:05 Bio-based plastics and their place in the TPE industry</b></p> <ul style="list-style-type: none"> <li>Overview of European Bioplastics</li> <li>What are bio-based plastics?</li> <li>Standards and labels for bio-based plastics</li> <li>Bio-based TPE and their application</li> </ul> <p><b>Constance Ißbrücker, Head of Environmental Affairs, European Bioplastics</b></p>
<p><b>13:30 Introducing Marine Plastic Elastomers</b></p> <ul style="list-style-type: none"> <li>Overview of market needs for sustainable elastomer solutions</li> <li>Available ocean plastic sources</li> <li>Unique technical challenges with ocean plastics</li> <li>Regulatory and documentation for ocean plastics</li> <li>Applications for and summary of ocean plastic elastomer materials</li> </ul> <p><b>Anthony Marozsan, Manager Market Development, Audia Elastomers</b></p>
<p>13:55 Break</p>
<p><b>14:15 Novel TPEs of Biobased Styrenic Block Copolymer and Acrylic Block Copolymer</b></p> <ul style="list-style-type: none"> <li>Discussion of dynamic viscoelastic behavior of Styrenic and Acrylic block copolymer</li> <li>Show KURARITY™ performance with possible application</li> <li>SEPTON™ BIO-series exhibits excellent wet grip performance for grip or shoe sole application</li> </ul> <p><b>Nobuhiro Miwa, Technical service manager, Kuraray Europe GmbH</b></p>
<p style="text-align: center;"><b>Bonding TPE</b></p>
<p><b>14:40 Bonding TPE</b></p> <p><b>Dr Hermann Handwerker, Scientific Expert, Technical Customer Service, Henkel Technologies Industrial &amp; Infrastructure (AEI), Henkel AG &amp; Co. KgaA</b></p>
<p><b>15:05 New Innovations in Thermoplastic Elastomers bonding to Polar substrates</b></p> <p><b>Dr. Prakash Sanjeevaia, Director of Technology, Star Thermoplastic Alloys and Rubber Inc</b></p>

**Electrically conductive TPV**

**15:30 Alfater XL® EC – Electrically conductive TPV**

- Electrically conductive TPV based on PP+EPDM
- Fundamentals and principle of conductivity in TPV
- Electric properties such as surface resistivity and Volume resistivity
- Extrusion and injection moulding

**Dr Stefan Zepnik**, Director Technical Service Center, **MOCOM Compounds GmbH & Co. KG, Hamburg**

**15:55 Chair's summary and close of event**