

2022 TAPPI European PLACE Conference Program  
10 – 12 October, 2022 Sheraton Bratislava Hotel, Bratislava, Slovakia

(Preliminary as of 22 September, 2022)

| Monday, 10 October 2022 |   |
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| 11:00 – 12:00           | <b>Lunch</b>  |
| 12:00 – 12:15           | <b>Opening/Welcome Remarks</b><br>Günter Schubert, <i>Speira</i>  |
| 12:15 – 13:00           | <b>Opening Address</b><br>The Importance of Food-Grade Recyclates for the Circular Plastic Economy<br>Professor Horst-Christian Langowski, <i>IVV</i> |
| 13:00 – 14:30           | <b>Session 1 – Packaging and Society</b><br>Session Chair: Petra Hollacher, <i>INEOS Koln GmbH</i><br><b>Room:</b>                                    |
| 13:00 – 13:30           | <b>Quantifying Sustainable Packaging</b><br>Dirk Burth, <i>Hochschule München</i>   |
| 13:30 – 14:00           | <b>Climate Impact of Packages</b><br>Frans Silvenius, <i>LUKE, Finland</i>  |
| 14:00 – 14:30           | <b>Wave of Packaging Regulation Rolls</b><br>Dr. Martin Engelmann, <i>IK Germany</i>  |
| 14:30 – 15:00           | <b>Coffee Break</b>   |
| 15:00 – 16:30           | <b>Session 2 - Paper-based or Plastic Film?</b><br>Session Chair: Linda van den Bosche, <i>ExxonMobil Chemical Europe Inc.</i><br><b>Room:</b>        |
| 15:00 – 15:30           | <b>Evaluation of the Functionality of Compostable Bioplastics in Food Applications</b><br>Caroline Maes, <i>Hasselt University</i>                    |
| 15:30 – 16:00           | <b>Packaging Functionality of Coated Papers as Primary Food Packages</b><br>Bram Bamps, <i>Hasselt University</i>                                     |
| 16:00 – 16:30           | <b>Barrier Film or Barrier Paper? Part II</b><br>Davide Pomati, <i>BOBST Italia Spa</i>   |
| 16:30 – 17:00           | <b>Coffee Break</b>   |
| 17:00 – 18:00           | <b>Session 3 – Innovation Counter</b><br>Session Chair: Günter Schubert, <i>Speira</i><br><b>Room:</b>  |

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|  |   | <p><b>AGILITY™ At – The Next Generation Efficient and Sustainable LDPE Coatings for Packaging</b><br/>Manuja Ramdeen, <i>Dow</i></p> <p><b>Exceed™ Performance Polyethylene for Very Thin Coating Weight</b><br/>Linda Van den Bossche, <i>ExxonMobil Chemical Europe</i></p> <p><b>High Performance Extrusion Coating LDPE Development with Differentiated Sealing and Adhesion Performance</b><br/>Anna Helgert, <i>Dow</i></p> <p><b>Ionomer for extrusion coating – What’s really new here?</b><br/>Jacques D’Heur, <i>INEOS</i></p> <p><b>SCGC Barrier Coating Innovation for Mono-material Plastic</b><br/>Kanyanut Narkchamnan, <i>SCGC Packaging</i></p> <p><b>Film Inspection: The Influence of and Needs for Inspection on Recycling Films and New "Green" Polymer Grades</b><br/>Oliver Hissmann, <i>OCS Optical Control Systems GmbH</i></p> |  |
| 18:30 – 20:00                          | <p><b>Welcome &amp; Tabletop Reception</b><br/><b>Room:</b></p>   |  |  |
| <p><b>Tuesday, 11 October 2022</b></p> |   |  |  |
| 08:30 – 10:30                          | <p><b>Session 4 – Extrusion Coating – New Approaches</b><br/>Session Chair: <b>Sven Sangerlaub</b>, Hochschule Munchen<br/><b>Room:</b></p> |  | <p><b>Session 5 – Advanced Coatings Exchange</b><br/>Session Chair: <b>Linda van den Bossche</b>, <i>ExxonMobil Chemical Europe Inc.</i><br/><b>Room:</b></p>                          |
|  | 08:30 – 09:00   | Extrusion coating versus adhesive lamination – A comparison study<br><b>Louis Piffer</b> , <i>Davis Standard</i>   | Lab to pilot upscaling of novel bio-based and bio-degradable barrier coatings for packaging<br><b>Vinay Kumar</b> , <i>VTT</i>   |
|  | 09:00 – 09:30   | PVOH for Extrusion Coating<br><b>David Meadows</b> , <i>Aquapak Polymers Ltd.</i>  | Pilot studies of temperature profiles of barrier coated board during drying<br><b>Peter Ratto</b> , <i>RISE AB</i> (presented by <b>Behudin Mesic</b> , <i>Karlstad University</i> ) |
|  | 09:30 – 10:00   | Bioproductivity<br><b>Andrew Christie</b> , <i>SAM</i>   | Water-based Dispersion Coatings Containing Tetraethylorthosilicate: Wax-free High Moisture Barriers<br><b>Behudin Mesic</b> , <i>Karlstad University</i>                               |
| 10:00 – 10:30                          | <p><b>Coffee Break</b></p>  |  |  |

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| 10:30 – 12:00 | <b>Session 6 – Leaving Beaten Tracks in Recycling</b><br>Session Chair: <b>David Pomati, Bobst Italia S.p.A.</b><br><b>Room:</b>   |  | <b>Session 7 – Sealing - Simulation and Performance</b><br>Session Chair: <b>Guenter Shubert, Speira</b><br><b>Room:</b>         |
| 10:30 – 11:00 | Rheological techniques for mechanical recycling of plastics: two case studies<br><b>Silvie Vervoort, DOW</b>   | Optimized design process of peelable heat-treated packages<br><b>Johanna Wolf, IVV Dresden</b>   |  |
| 11:00 – 11:30 | Multilayer film structures containing polyamides are recyclable<br><b>Rolf-Egbert Gruetzner, BASF</b>  | Pareto-based approach for comparing and evaluating packaging films for heat sealing applications in packaging machines<br><b>Peter Gellerich, Technische Universität Dresden</b> |  |
| 11:30 – 12:00 | Enabling recyclable structures in flexible packaging<br><b>Timoteo Ruppenthal, Milliken</b>  | Continuous monitoring of sealing performance<br><b>Ralf Jaenchen, IVV DD</b>   |  |
| 12:00 – 12:10 | <b>Poster Introductions</b>  |  |  |
| 12:10 – 13:45 | <b>Lunch</b>   |  |  |
| 13:45 – 15:00 | <b>Session 8 -Poster Session</b><br>IVV Dresden – Johanna Wolf<br>Innovative Processing Technologies for Bio-based Foamed Thermoplastics - <b>Johanna Lahti, VTT Finland</b><br>Karlstadt University<br>Technische Universität Dresden – Peter Gellerich<br>Speira GmbH<br>IVV Freising - NN<br>Evaluating the Potential and Technical Criteria for Recycling Coated Packaging Papers, <b>Piete Samyn, Hasselt University</b> (presented by Bram Bamps)<br>Hochschule München – Sven Sänglerlaub<br>Hochschule München – Dirk Burth<br>Environmental Benefits of Reusable Food Packaging - <b>Pooja Yadav, I</b><br>OCS – Oliver Hissmann<br>IVV Munich – Esra Kucukpinar<br>Tailored Polymer Piloting Facilities, <b>Johanna Lahti, VTT Finland</b> |  |  |
| 15:00 – 16:30 | <b>Session 9 – Challenges with Recycled or Alternative Materials</b><br>Session Chair: <b>Linda van den Bossche, ExxonMobil Chemical Europe Inc.</b><br><b>Room:</b>   |  | <b>Session 10 – Basics of Extrusion Coating I</b><br>Session Chair: <b>Auli Nummila-Pakarinen, Borealis, FIN</b><br><b>Room:</b> |
| 15:00 – 15:30 | Finding the Molecular Needle in the Re grind Haystack: Rapid Analytics of Volatile Markers of Contamination in Recyclates<br><b>Jonathan Beauchamp, IVV</b>  | Conveying pellets – Angel hair and snake skin<br><b>Otto Plassmann, Retired</b>  |  |
| 15:30 – 16:00 | Safety Assessment of Recycled Plastics for Packaging Application<br><b>Elisa Mayrhofer OFI/at</b>  | Extrusion Coating Screw Design for the Non Screw Designer<br><b>Louis Piffer, Davis Standard</b>   |  |
|               | PHBV/PHB extrusion coating on paper – Market ready yet?  | Feed block or selector plug and die – <b>Andrew Christie, Sam North America</b>  |  |

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|                                   | 16:00 – 16:30   | Sven Sangerlaub, Hochschule Munchen  |   |
| 16:30 – 17:00                     | <b>Coffee Break</b>   |  |   |
| 17:00 – 18:30                     | <b>Session 11 – Circularity News</b><br>Session Chair: Esra Kucukpinar, <i>Fraunhofer Institute</i><br><b>Room:</b>       |  | <b>Session 12 – Basics of Extrusion Coating II</b><br>Session Chair: Bernard Fehr, Retired<br><b>Room:</b>  |
|                                   | 17:00 – 17:30   | Fully circular polyolefins in extrusion coating – mission not so impossible<br><b>Christophe Baranowski, INEOS</b>   | Extrusion coating line and web feed – <b>Davide Pomati, BOBST Italia Spa</b>  |
|                                   | 17:30 – 18:00   | Potential & Challenges of Vegan Packaging<br><b>Zoltan Bakonyi, V-Label</b>   | Comparison of LDPE and PP in extrusion coating<br><b>Auli Nummila-Pakarinen, Borealis, FIN</b>  |
|                                   | 18:00 – 18:30   | Solutions for Circular and Lower Carbon Footprint Packaging<br><b>Anastasios Vadolas, DOW</b>  | Trouble shooting - Just an overview<br><b>Richard Kanarski, Davis Standard LLC</b>  |
| 19:30 – 23:00                     | <b>Evening Event</b>  |  |   |
| <b>Wednesday, 12 October 2022</b> |   |  |   |
| 09:00 – 10:30                     | <b>Session 13 – Design for Recyclability and Barrier</b><br>Session Chair: Otto Plassmann, <i>Retired</i><br><b>Room:</b> |  | <b>Session 14 – New Paths to Packaging Function</b><br>Session Chair: <b>Petra Hollacher, INEOS Koln GmbH</b><br><b>Room:</b>   |
|                                   | 09:00 – 09:30   | Design for recycling, PP mono-materials by extrusion lamination with focus on adhesion<br><b>Takahiro Maeda, Mitsui / Auli Nummila-Pakarinen, Borealis</b> | Biodegradable thermoplastics combined with nanocellulose to create multilayer barrier paperboard for packaging applications<br><b>Johanna Lahti, TUT</b>  |
|                                   | 09:30 – 10:00   | Thin barrier coatings for recyclable PE packaging<br><b>Joachim Laun, ExxonMobil</b>   | Production of all cellulose barrier packaging materials recyclable and biodegradable using two processes: MFC wet lamination and chromatogeny grafting<br><b>Claire Monot et al., CTP Grenoble, F</b> |
|                                   | 10:00 – 10:30   | Circularity in flexible packaging: Challenges and opportunities<br><b>Esra Kucukpinar, IVV Freising</b>  | Hierarchical materials based on nanocellulose and poly(lactic acid)<br><b>Manon Guivier, AgroParisTech, F</b>   |
| 10:30 – 11:00                     | <b>Coffee Break</b>   |  |   |
| 11:00 – 12:30                     | <b>Session 15 – Packaging Integrity</b><br>Session Chair: <b>Petra Hollacher, INEOS Koln GmbH</b><br><b>Room:</b>         |  |   |
|                                   | 11:00 –   | Barrier Robustness of Aluminium Foil   |   |

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|                  | 11:30            | <b>Günter Schubert, Speira</b>  |
|                  | 11:30 –<br>12:00 | Barrier Measurement of Packaging Compartments<br><b>Andreas Roos, Ametek GmbH / MOCON</b> |
|                  | 12:00 –<br>12:30 | Barrier calculation – Clear and simple<br><b>Sven Sänglerlaub, Hochschule München</b>     |
| 12:45 –<br>13:00 |                  | <b>Closing Remarks</b>  |
| 13:00 –<br>14:30 |                  | <b>Lunch</b>  |
| 14:30 –<br>16:00 |                  | <b>Post Conference Meeting (<i>open to all participants</i>)</b>                          |