



Extrusion 2022

PT A Plastics Technology Event

December 6-8, 2022

Omni Charlotte Hotel | Charlotte, NC

Tuesday, December 6 General Session

7:00 AM	Networking Breakfast: Exhibits Area
8:00 AM	Analysis of Recirculating Flow in Single Screw Extruders Chris Rauwendaal, <i>Rauwendaal Extrusion Engineering</i>
8:30 AM	Benefits of Using Smart Extrusion Technology John Christiano, <i>Davis-Standard LLC</i>
9:00 AM	Bimetallic Barrels: What's Inside Tim Womer, <i>TWWomer & Associates</i>
9:30 AM	Lights Out Approach to Resin Blending Automation Douglas Brownfield & Vince Paskie, <i>Ampacet</i>
10:00 AM	Networking Break: Exhibits Area
10:30 AM	Optimizing Extrusion with Artificial Intelligence Kence Anderson, <i>Microsoft</i>
11:00 AM	Automated Materials Management: Conveying Solutions for Traceable, Contamination-Free Industry 4.0 Operations William Goldfarb, <i>Universal Dynamics</i>
11:30 AM	Seven Easy Purging Tips for Extrusion Chris Melchiorre, <i>Asahi Kasei Asaclean Americas</i>
12:00 PM	Networking Lunch: Exhibits Area
5:00-6:00 PM	Networking Reception: Exhibits Area

FILM & SHEET Breakout Sessions

1:00 PM	Advanced Extrusion Die Technology for Cast Film Applications Sam Iuliano, <i>Nordson</i>
1:30 PM	Comparative Study of Die Design to Produce 9-Layer Barrier Film Vijay Shankar, <i>Mamata</i>
2:00 PM	Extrusion-Based, Solvent-Free Mechanical Dispersion Technology Carlos Escobar, <i>Dow</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	Filtration Strategies to Address Increased Recycled Content Martin Baumann, <i>Maag</i>
3:30 PM	Optimal Resin Changeover Practices Karen Xiao, <i>Macro Engineering</i>
4:00 PM	Giant Strides with Smaller, Faster, Better: High Speed Extrusion Rick Forbis, <i>PTI International</i>
4:30 PM	PE Orientation: MDO vs BOPE Films: Is There a Winner? Norman Aubee, <i>Novachem</i>

PIPE, PROFILE & TUBING Breakout Sessions

1:00 PM	Comparative Analysis of Extrudate Quality and Dimensional Control of Extruder Output Larry Alpert, <i>Graham Engineering</i>
1:30 PM	How Advancements in Downstream Extrusion Equipment Have Changed Plastic Pipe Gerry Lamorte, <i>CDS Machines</i>
2:00 PM	Progress in Inline Plastic Pipe Measurements: New Application Fields Due to Advanced Radar Technology Jan Beckmann, <i>INOEX</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	Is Your Profile Die the Problem? Or Is It the Heaters? Tim Groth, <i>Extrusion Solutions North LLC</i>
3:30 PM	Successful Additive Manufacturing Starts with the Filament Shawn Hitz, <i>Conair</i>
4:00 PM	Renewable Extrusion ABS for Regulated Applications Tom Chu, <i>ELIX Polymers</i>
4:30 PM	Utilization of Flow Modeling for Optimizing Pipe Extrusion Dies Steve Schick, <i>Teel Plastics Inc.</i>

COMPOUNDING Breakout Sessions

1:00 PM	Calculating Residence Time and its Effects on Twin Screw Extrusion Processes Brian Haight, <i>Leistritz Extrusion</i>
1:30 PM	How to Get 25% More Output from Your Existing Compounding Line Saeed Arabi, <i>Alterra Holdings</i>
2:00 PM	Upcycling Plastic Waste into Valuable Raw Materials of the Future Justyn Pyz, <i>Coperion</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	Energy Saving Advantages of Twin Screw Extrusion for Plastic Recycling Applications Hartmut Bendfeldt, <i>eFACTOR3</i>
3:30 PM	The Extruder as a Reactor for Advanced Mechanical Recycling Using 1.5-Nanometer Titanates and Zirconates Sal Monte, <i>Kenrich</i>
4:00 PM	Criticality of Heat and Shear Stability Testing for Processing Recycled Polymers Andrew Sell, <i>C.W. Brabender Instruments Inc.</i>



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Wednesday, December 7 General Session

7:00 AM	Networking Breakfast: Exhibits Area
8:00 AM	What Are You Risking with Outdated Controls? Scott Barlow, <i>Integrated Control Technologies</i>
8:30 AM	Redefining Resin Drying: A New Approach for Extrusion Mark Haynie, <i>Novatec</i>
9:00 AM	Case Studies: Extrusion Issues Analyzed with a High-Speed Data Acquisition System Chris Rauwendaal, <i>Rauwendaal Extrusion Engineering</i>
9:30 AM	How an Evolving Extrusion Market Has Affected Size Reduction Technology Dana Darley, <i>Vecoplan LLC</i>
10:00 AM	Networking Break: Exhibits Area
10:30 AM	Optimizing Extrusion with Reinforcement Learning-Trained AI Olivier Fontana, <i>Neal Analytics</i>
11:00 AM	Pressure: Its Role in the Twin-Screw Extrusion Process Charlie Martin, <i>Leistritz Extrusion</i>
11:30 AM	The 'No-Dry' Screw for PET: New Data, Surprising Results Keith Luker, <i>Randcastle Extrusion</i>
12:00 PM	Networking Lunch: Exhibits Area

FILM & SHEET Breakout Sessions

1:00 PM	Extrusion Complexes for Sheet Applications Steven DeAngelis, <i>Davis-Standard LLC</i>
1:30 PM	In-line and Off-line Thermoforming/Extrusion Matthew Banach, <i>OMV Technologies</i>
2:00 PM	New Challenges for Melt Filtration in Blown Film Applications Parke Strong, <i>Nordson</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	New Non-Nuclear Weight/Thickness Sensor for the Measurement and Automatic Profile Control of Extruded Film, Sheet and Coatings Eric Reber, <i>Mahlo America</i>
3:30 PM	Stiff, Tough, Easy-to-Process Performance Polyethylene Tom Miller, <i>ExxonMobil Product Solutions Company</i>
4:00 PM	Unique PET Tray-to-Tray Recycling in a Single Extrusion Step Monika Gneuss, <i>Gneuss</i>

PIPE, PROFILE & TUBING Breakout Sessions

1:00 PM	Single Screw Extruder and Screw Design, Pipe-Head Design and New Technologies for Polyolefin Pipe Processing Haikun Xu, <i>KraussMaffei</i>
1:30 PM	The Effects of Microstructure on Wear and Corrosion Properties for PVC Extrusion Die Tool Steels Rob Curran, <i>Edro</i>
2:00 PM	The Application of the Counter Rotating Twin in the Circular Economy Dave Thiessen, <i>Milacron</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	Software for Automatic Optimization of Extrusion Dies Mahesh Gupta, <i>Plastic Flow</i>
3:30 PM	Making Hard Gages a Thing of the Past in the Extrusion Process Brad Allen, <i>iNOEX</i>

COMPOUNDING Breakout Sessions

1:00 PM	Implementation and Challenges of In-Line Color Measurements Jaime Gómez, <i>Equitech</i>
1:30 PM	Underwater Pelletizer Knife Micro Corrosion by Polymer Additive: A Case Study Hyoseok Jeong, <i>SK Geocentric</i>
2:00 PM	Trends in Circular Economy and Solvent-Based Recycling (What is Solvent-Based Recycling?) Sean Doran, <i>KraussMaffei</i>
2:30 PM	Networking Break: Exhibits Area
3:00 PM	Sustainable Products Made with PCR Arash Kiani, <i>Alterra Holdings</i>
3:30 PM	Industrialization of Plastic Compounds Kenneth Russell, <i>GEM Plastics</i>
4:00 PM	Devolatilization in Single Screw Extruders and Xtender Polymer Melt Co-Processors Giuseppe Ponzielli, <i>Nexus Channel</i>
4:30 PM	Outside Influences that Affect LIW Feeder Accuracy: Refill Philosophy for Various Materials Karl Berstrom, <i>Coperion K-Tron</i>



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Thursday, December 8 General Session

7:00 AM	Networking Breakfast: Exhibits Area
8:00 AM	Leveraging Data to Drive Insight and Improve Decision-Making Willem Sundblad, <i>Oden Technologies</i>
8:30 AM	QC Innovation for In-line Color Measurement and Correction for Extrusion Douglas Brownfield, <i>Ampacet</i>
9:00 AM	Troubleshooting Problems Caused by Dust & Streamers Joseph Lutz, <i>Pelletron</i>
9:30 AM	Understanding Materials when Choosing Feeder Technology Roger Hultquist, <i>Orbetron</i>
10:00 AM	Networking Break: Exhibits Area
10:30 AM	How the MFI Tester Can Be Used to Test Pressure Transducers Chris Rauwendaal, <i>Rauwendaal Extrusion Engineering</i>
11:00 AM	Sustainable Sensing: Measuring Pressure with Sustainable Materials John Czazasty, <i>Dynisco</i>
11:30 AM	Conference Concludes

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