

**SPE ACCE 2020: Day 1 - Wednesday, September 9\*** (all times EST)

*\*Subject to change*

8:00 AM	8:45 AM	<b>Exhibits Open</b>		
8:45 AM	9:00 AM	Introductions by ACCE Conference Co-Chairs		
9:00 AM	9:30 AM	KEYNOTE	<b>Automotive Plastics &amp; Polymer Composites: A Roadmap for Future Mobility</b>	<b>Jose Chirino, American Chem Council</b>
<b>Session Sponsored by: Lotte Chemical</b>				
9:30 AM	10:00 AM	TPC	New Low Density Bumper Fascia Composite Strategy	Dan Berg, BYK
10:00 AM	10:20 AM	TPC	Long Fiber AP Nylon Organosheet	Mingfu Zhang, Johns Manville
10:20 AM	10:40 AM	TPC	ICME Solution to Predict Creep of Short Fiber Reinforced Thermoplastic at Part Level	Bernard Alsteens, e-Xstream engineering
10:40 AM	11:00 AM	TPC	Mechanical, Adhesive, and Appearance Properties of Nonwovens on LWRT Composite Sheets	Meredith Sommers, Hanwha Azdel
11:00 AM	12:15 PM	<b>Networking, Sponsor Lounges Open, Student Posters</b>		
<b>Session Sponsored by: 3M</b>				
12:15 PM	12:45 PM	TPC	Property Benefits of Hollow Glass Microspheres Beyond Weight Reduction	John Jackowski, 3M
12:45 PM	1:05 PM	AM3D	The Effect of Print Path on Damage Initiation and Propagation in 3D Printed Open Hole Composites	Richard Larson, Old Dominion U.
1:05 PM	1:25 PM	AM3D	3D Printing with PTFE	Sam Reiss, 3M
1:25 PM	1:40 PM	<b>Coffee Break</b>		
<b>Panel &amp; Session Sponsored by: BASF</b>				
1:40 PM	2:25 PM	PANEL	<b>How 3D Printing Is Changing the Automotive Composites Business - Panelists: Ellen Lee, Ford; Greg Costantino, DSM; David Tucker, HP; Cindy Kutchko, PPG Industries; Somasekhar Bobba, SABIC; Wiener Mondesir, AREVO, Inc.</b>	
2:25 PM	2:45 PM	ET	Passive Fire Protection in Composite Laminates Using Intumescent Nonwovens	Neil Gray, Technical Fibre Prod / Adam Halsband, Forward Engineering
2:45 PM	3:05 PM	ET	Effective Antimicrobial Protection for Automotive Composite Applications	Fred Deans, Allied Composites Tech
3:05 PM	4:05 PM	<b>Networking, Sponsor Lounges Open</b>		
<b>Session Sponsored by: Michelman</b>				
4:05 PM	4:35 PM	ET	2021 Toyota Sienna 3rd Row Thermoplastic Ultramid® Composite Seatback	Matthew Parkinson, BASF / Todd Muck, Toyota
4:35 PM	4:55 PM	ET	Modular Production Plants for High Performance Hybrid Thermoplastic Components	Louis Kaptur, Dieffenbacher
4:55 PM	5:15 PM	ET	Engineering Integrated Hybrid Materials Using Thermal Hardening of Polymer Surfaces with Metal Coat	Seongchan Pack, General Motors
5:15 PM	6:15 PM	<b>Networking Reception, Sponsor Lounges Open</b>		

**Key: Sessions**

AM3D - Additive Manufacturing & 3D Printing	CCR - Carbon Composites & Reinforcements	TPC - Advanced in Thermoplastic Composites
BJF - Bonding, Joining & Finishing	ET - Enabling Technologies	TSC - Advances in Thermoset Composites
BTTS - Business Trends & Technology Solutions	MC - Modeling of Composites	SC - Sustainable Composites

8:00 AM	8:30 AM	<b>Exhibits Open</b>		
8:30 AM	9:00 AM	<b>Award Presentations: Best Paper Awards, Scholarships</b>		
<b>Session Sponsored by: Hexion</b>				
9:00 AM	9:30 AM	TSC	Production of Kevlar Panels Using High Pressure Resin Transfer Molding (HP-RTM) & Liquid Compression	Gleb Meirson, Fraunhofer Proj Centre
9:30 AM	9:50 AM	TSC	Advanced SMC Resins for Electric-Vehicle Battery-Enclosure Applications	June Wu, INEOS Composites
9:50 AM	10:10 AM	TSC	Machinable Composites for E-Mobility	Philip Farris, Solepoxy
10:10 AM	10:30 AM	TSC	Carbon Fiber Sheet Moulding Compound: High Performance @ Industrial Grade	Guillermo Astorqui, Astar
10:30 AM	10:50 AM	TSC	Synthesis and Properties of Several Functional Dimeric Epoxy Resins Containing Naphthalene Units	Mark Edwards, Sun Chemical Corp
10:50 AM	12:05 PM	<b>Networking, Sponsor Lounges Open, Student Posters</b>		
<b>Panel &amp; Session Sponsored by: Composites One</b>				
12:05 PM	12:50 PM	PANEL	<b>Sustainable Materials Management and the Circular Economy - Panelists: Debbie Mielewski, Ford; Sanjay Jain, DSM; Kanchana Sonti, HP; Amar Mohanty, University of Guelph; Thomas McKay, BASF; Mitchell Toomey, BASF</b>	
12:50 PM	1:10 PM	SC	Sustainable Composites from Biobased Engineering Thermoplastic and Biobased Filler for Automotive Parts	Maisyn Picard, U. of Guelph
1:10 PM	1:30 PM	TPC	Glass Bubble Application for Lower Bumper Reinforcement	Ozgu Ozsoy and Ozge Ozgunay, Ford Otosan
1:30 PM	1:45 PM	<b>Coffee Break</b>		
<b>Session Sponsored by: BYK</b>				
1:45 PM	2:15 PM	SC	<b>Water Absorption Behavior of Recycled PP and PA6 Composites Reinforced with Natural Fibers - BEST PAPER AWARD RUNNER-UP</b>	Sandeep Tamrakar, Ford
2:15 PM	2:35 PM	SC	Straw-Polyester Composite Pressboard	Chong Meng, U. of Waterloo
2:35 PM	2:55 PM	SC	Durability of Cellulose Nanomaterials Under Industry Relevant Shear Stresses	Bradley Sutliff, Virginia Tech U.
2:55 PM	3:55 PM	<b>Networking, Sponsor Lounges Open</b>		
<b>Session Sponsored by: Zoltek</b>				
3:55 PM	4:25 PM	CCR	Direct Compounding and Compression Molding of Carbon and Glass Fiber Reinforced Polyamide 66	Glen Smith, Ford
4:25 PM	4:55 PM	CCR	Forged Molding Compound - High Performance Chopped Carbon Fiber Composites	Koichi Akiyama, Gemini Composites
4:55 PM	5:15 PM	TSC	Material Development and Cure Characterization of a Polyurethane Resin for Sheet Molding Compound	Sergej Ilinzeer, Karlsruhe Inst Tech
5:15 PM	5:35 PM	TSC	Optimization of Mold-in-Color Composites for Geometrically-Complex Structural Applications	Joseph Amlung, INEOS Composites
5:35 PM	6:35 PM	<b>Networking Reception, Sponsor Lounges Open</b>		

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<b>AM3D - Additive Manufacturing &amp; 3D Printing</b>	<b>CCR - Carbon Composites &amp; Reinforcements</b>	<b>TPC - Advanced in Thermoplastic Composites</b>
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**SPE ACCE 2020: Day 3 - Friday, September 11\*** (all times EST)

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8:00 AM	8:45 AM	<b>Exhibits Open</b>		
8:45 AM	9:00 AM	Introductions by ACCE Conference Co-Chairs; <b>Student Poster Awards - Sponsored by Ford</b>		
9:00 AM	9:30 AM	KEYNOTE	<b>Title: Greener Materials for a Greener World</b>	<b>Debbie Mielewski, Ford</b>
<i>Session Sponsored by: Schmidt &amp; Heinzmann</i>				
9:30 AM	9:50 AM	BJF	An Experimental Investigation on the Effect of Interlayer Inclusions in Laminated Composite Adherent	Akash Pisharody, Baylor U.
9:50 AM	10:10 AM	CCR	Carbon Fiber Meets Polypropylene – New Opportunities with CF for Thermoplastic Composites	Christos Karatzias, Mitsui Chemicals Eur.
10:10 AM	10:30 AM	BTTS	ARAMIS 3D Digital Image Correlation for Materials, Component and Structural Testing	Justin Bucienki, Trillion Quality Systems
10:30 AM	11:15 AM	<b>Networking, Sponsor Lounges Open</b>		
<i>Session Sponsored by: Hexagon / MSC Software / e-Xstream engineering</i>				
11:15 AM	11:35 AM	MC	Thermoplastic Composite Compression Molding Simulation	Ryan Gergely, General Motors
11:35 AM	11:55 AM	MC	A Coupled Thermomechanical Simulation Approach for Thermoforming of Glass Mat Thermoplastics	Dominik Dörr, Western U.
11:55 AM	12:15 PM	MC	Advanced Study of Hybrid Molding Process Using Latest Simulation Technology	Srikar Vallury, Moldex3D
12:15 PM	12:30 PM	Closing Remarks by ACCE Conference Co-Chairs		

**SPE ACCE 2020: Additional Papers and Presentations Available Online\***
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MC	Residual Deformation Analysis in Composite Shell Structures Manufactured Using Automated Fiber Placement	Von Clyde Jamora, Old Dominion U.
SC	Use of Modified High Oleic Soybean Oil in Automotive EPDM Rubber	Alexander Jones, Ford
SC	<b>Influence of Soy Hull Based Biocarbon and Graphene Nanoplatelets on the Performance of Polypropylene Biocomposites for Automotive Applications - BEST PAPER AWARD WINNER</b>	Ethan Watt, U. of Guelph
SC	Sustainable Green Composites from Nanostructured Bioplastic and Natural Fiber: Advanced Materials for the Next Generation of Automotive	Feng Wu, U. of Guelph
SC	Incorporating Micronized Rubber Powder into Composites for Sustainability in Automotive Applications	Annabel Sharnowski, U. of Michigan
TPC	Characterization of Heat Transfer Parameters in the Compression Molding of Glass Mat Thermoplastics	Cheng Xu, Western U.
TPC	Versatility of Long Fiber AP Nylon Organosheet to Overcome Intrinsic Shortcomings of LFT	Navraj Singh Heer, Fraunhofer Proj Centre

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