SUNDAY, APRIL 16, 2023 12:00 PM Exhibition Set-up Starts

All times EST USA	MONI	DAY, APRIL 17	, 2023		
7:00 AM	REGISTRATION & CONTINENTAL BREAKFAST: SPONSORED BY SPE				
8:15 AM	WELCOME REMARKS: Conference Chair: Dr. Sassan Tarahomi, Alterra Holdings				
8:30 AM	TECHNICAL PROGRAM HIGHLIGHTS: Dr. Norm Kakarala / Dr. Suresh Shah				
8:45 AM	KEYNOTE SPEAKER: Jamie Brewer, GM Executive Chief Engineer Electric SUVs, GM's EV/AV Strategy and Innovation				
9:15 AM	PLATINUM SPONSOR REMARKS: SABI	•			
9:30 AM					
10:00 AM	KEYNOTE SPEAKER: Dean Stevenson, Rivian Senior Director of Interiors, Systematizing Sustainability BREAK: SPONSORED BY SPE				
	CONFERENCE HALL - I	CONFERENCE HALL - II	CONFERENCE HALL - III		
	BATTERY AND THERMAL MANAGEMENT SYSTEMS Dhanendra Nagwanshi, SABIC Dr. Jeff Helms, Celanese Corp.	MANUFACTURING ENABLING TECHNOLOGIES David Kosse, Ascend Performance Materials Steve Vanloozen, Lotte Advanced Materials	SUSTAINABILITY AND CARBON NEUTRALITY Dr. Rohit Srivastava, Amazon Drew Geda, Hyundai-Kia America		
10:30 AM	Maggie Baumann, PPA/Pinfa NA Fire Protection Materials for EVs: Technology, Trends, and Markets Dr. James Edmondson, IDTechEx	Innovative Hybrid Molding in Color Dan Rozelman Kraus Maffei	Carbon Footprints: The Next Driver in Evolving the Plastics Supply Chain Joseph Chang, ICIS Chemicals		
11:00 AM	Battery Enclosure Materials Screening Tests Torch and Grit (TaG) and Battery Enclosure Material Screening (BEMS) Ken Vessey, UL Solutions	Cooling Systems Daniel Baek Akro Compounds Recyclability of Polypropylene and	Polyamide Composites with Basalt Fiber Dr. Sandeep Tamrakar Ford Motor Company		
11:30 AM	HR Resistant PK for The Physics of Cell Venting Failures: Beyond UL2596 and the Need for Venting Management Brian Engle, Amphenol	Welding of FRTP for Challenging BEV Applications Adam Halsband, Forward Engineering	LG Chem Chemical Recycling Process of Polycarbonate BK Jeon, LG Chem		
12:00 PM	LUNCH: SPONSORED BY SABIC				
	BATTERY AND THERMAL MANAGEMENT SYSTEMS	MANUFACTURING ENABLING TECHNOLOGIES	SUSTAINABILITY AND CARBON NEUTRALITY		
1:30 PM	Advanced Insulation for High Voltage Electric Motor Winding Dr. Monoj Ghosh, Eaton Corporation	Compounding with AI Saeed Arabi Alterra Plastics	Reclaimed Carbon Fiber Based Sustainabl Solutions for Lightweight Electric Vehicle Structures Somasekhar Bobba, SABIC		
2:00 PM	Role of Thermoplastics in Accelerating EV Battery Pack Development Dave Sullivan SABIC	Optimized Compounds and Blowing Agents for Technical Applications Thilo Stier Akro Compounds	Basalt Fiber Reinforced Polyamide-6 Composites with Hemp Hurd Biochar Fille for Automotive Applications Mohammad Mezbah UI Hoque Washington State University		
2:30 PM	Fire Safety and the Role of FR Additives Maggie Baumann Performance Polymers and Additives / Pinfa North America	Toolless Fabrication of TPU with Additive Manufacturing Rebecca Fecteau, BASF Steve Richardson, Forecast3D	Composite Laminates Thermoformed from Wood-Based Prepregs for Interior Automotive Applications Avishek Chanda, Washington State Universit		
3:00 PM	The Growing Role of FR Additives In EVs and AVs Dr. Subra Narayan, Clariant	Advanced Composites Manufacturing Solutions for the AV and EV Industry Anand Bora, MOLDEX3D	PCR and Bio Based TPO/TPE for Electric Vehicles Dr. Arash Kiani, Alterra Holdings		
3:30 PM	BREAK: SPONSORED BY SPE				
	BATTERY AND THERMAL MANAGEMENT SYSTEMS	ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS)	EVOLUTION OF EXTERIORS AND LIGHTING Tom Pickett, General Motors		
4:00 PM	Large, Safe, Lightweight, and Multifunctional Thermoplastic Enclosures for EV Battery Packs Fred Chang SABIC	Dr. Rodrigo Orozco, Celanese JP Wiese, SABIC SABIC Specialties' Solutions for Automotive Radar Sensors	Volker Plehn, SABIC Mark Lapain, Advanced Composites Material Solutions and Innovations for Exterior Panels		
	High Energy Density Battery Pack Concept Pat Granowicz	Dr. Jeff Xu, SABIC Material, Process and Design effects on Warpage in Camera Brackets	Volker Plehn, Jeff Eshenauer, SABIC Smart Rear & Front Panels by Purposefull Combined Plastic Processing Michael Fischer, Engel		
4:30 PM	Celanese	Brandon Bouchard, Celanese	Michael I Ischel, Lilger		

TUESDAY, APRIL 18, 2023

All times EST USA		JAT, APRIL 18	/			
7:00 AM		REGISTRATION & CONTINENTAL BREAKFAST: SPONSORED BY SPE				
8:15 AM	WELCOME REMARKS: Conference Chair:	Dr. Sassan Tarahomi, Alterra Holdings				
8:30 AM	STUDENT POSTER COMPETITION: Chu	ick Jarret, The Materials Group				
8:45 AM	KEYNOTE SPEAKER: Jeff Makarewicz, Group Vice President Technical Resources Toyota North America R&D, Key Challenges, and Innovative Ideas to Navigate the Road to Future Mobility					
9:15 AM	PLATINUM SPONSOR REMARKS: LOT	PLATINUM SPONSOR REMARKS: LOTTE & ENTEC				
9:30 AM	KEYNOTE SPEAKER: Alan Amici, President and CEO of Automotive Research (CAR),					
	Assessment of Inflation Reduction (IRA) Act Impacts on North American Electric Vehicle Supply Chain					
10:00 AM		BREAK: SPONSORED BY SPE				
10:30 AM	PANEL DISCUSSION: Thermal Runaway – Scenario and Solutions MODERATORS: Dhanendra Nagwanshi, SABIC; Dr. Jeff Helms, Celanese; Maggie Baumann, PPA/Pinfa NA PANELISTS: Ken Vessey, UL Solutions; Adam Halsband, Forward Engineering; Dave Sullivan, SABIC; Brian Engle, Amphenol; Michael Blake, Freudenberg-NOK; Eric Rask, ITW Automotive; Dr. James Edmondson, IDTechEx					
12:00 PM		LUNCH: SPONSORED BY ENTEC				
	CONFERENCE HALL - I	CONFERENCE HALL - II	CONFERENCE HALL - III			
	EVOLUTION OF INTERIORS Dr. Rose Ryntz, Ryntz & Associates Jeff Crist, Ford Motor Co. Jim Keller, Mankiewicz Coatings LLC	MATERIAL INNOVATIONS Mike Shoemaker, Borealis Paula Kruger, Ascend Performance Materials Sunit Shah, LyondellBasell	EVOLUTION OF EXTERIORS AND LIGHTING Tom Pickett, General Motors Volker Plehn, SABIC Mark Lapain, Advanced Composites			
1:30 PM	Dual Cast Process for Designing Circular and Monomaterial for Automotive Interiors Dr. Murali Reddy Cpk Interior Systems	Advanced Polymers for Electric and Autonomous Vehicles Applications Dr. Sassan Tarahomi Alterra Holdings	The Development of Integrated Multifunction EV Grille George Liu Minth			
2:00 PM	Translucent Foam: Physical Properties and Level of Light Transmittance Kiego Shimura Sekisui Voltek	Novel Formulating Strategies for Flame Retardant Automotive Compounds Jakub Lison ICL Industrial Products	Innovative Designs and Environmental Solutions to Meet Customer Demands Brian Guinn, Bob Frazier Valeo			
2:30 PM	Advances in Automotive Interiors Dr. Pravin Sitaram The Haartz Corporation	Enabling Thermal Management with Innovations in Thermally Conductive Plastics Dr. Prabuddha Bansal Celanese	Material Solutions that Enable Cost and Weigl Savings in Automotive Exterior Lighting Dan Fuller Celanese			
3:00 PM	Needs, Challenges and Film-Based Solutions for Functional Decoparts Paul Rye Kurz	High Performance Polymers for Busbars in Power Electronics and e-Motors of Electric Vehicles Dr. Victoria E. Lee Solvay	Managing Heat Using Thermally Conductive Polycarbonates to Achieve Weight, Space and Cost Jim Lorenzo Covestro			
3:25 PM	BREAK: SPONSORED BY SPE					
	EVOLUTION OF	MATERIAL	NOISE AND			
	INTERIORS	INNOVATIONS	VIBRATION			
	Throwing Your Shoes at	Next-Gen Automotive Materials to	Andrea Frey, General Motors Dr. Xian Jiang, Dow			
4:00 PM	Your Car Seat Aaron Delong HP	Increase Safety and Reliability in the Electrical Powertrain Keith Kauffmann Envalior	Automotive Acoustic Materials: Design for Acoustics & Applications in Electric Vehicle Jian Pan, Auria Solutions			
4:30 PM	Mineral-Based Solutions for EAV Plastics and Sustainability Dr. Saied Kochesfahani IMERYS Performance Minerals	Next Generation Polyurethane for Internal Battery Structure Chris Korson BASF	Absorption and Reflective Properties of a Crosslinked Foam Keigo Shimura Sekisui Voltek			
5:00 PM	Automotive Acoustic Materials: Design for Sustainability Jian Pan Auria Solutions	Bonding to Dielectric Materials in Battery Pack Assembly Dr. Thomas Clark DuPont Adhesives	Anti-vibration Polyamide Solutions to Overcome a Multitude of NVH Challenge Jason Park Ascend Performance Materials			
5:30 PM	Electrification Driven Challenges for Automotive Plastics Bernd Henkelmann	Conductive Molding Compounds in Fuel Cells and Battery Applications Mike Kiesel LyondellBasell	Design for Sustainable Solutions for Carbon Neutrality Karen Guzman			

WEDNESDAY, APRIL 19, 2023

7:00 AM	REGISTRATION & CONTINENTAL BREAKFAST: SPONSORED BY SPE				
8:15 AM	WELCOME REMARKS: Conference Chair: Dr. Sassan Tarahomi, Alterra Holdings				
8:30 AM	KEYNOTE SPEAKER: Dr. Kevin Swift, Senior Economist, ICIS Global Chemicals, Long-Term Scenarios for Automotive Plastics				
9:00 AM	RECOGNITION OF STUDENT PARTICIPATION & AWARDS: Dr. Sassan Tarahomi, Alterra Holdings / Chuck Jarret, The Materials Grou				
9:30 AM	BREAK: SPONSORED BY SPE				
	CONFERENCE HALL - I	CONFERENCE HALL - II	CONFERENCE HALL - III		
	BATTERY AND THERMAL MANAGEMENT SYSTEMS Dhanendra Nagwanshi, SABIC Dr. Jeff Helms, Celanese Corp. Maggie Baumann, PPA/Pinfa NA	SUSTAINABILITY AND CARBON NEUTRALITY Dr. Rohit Srivastava, Amazon Drew Geda, Hyundai-Kia America	NOISE AND VIBRATION Andrea Frey, General Motors Dr. Xian Jiang, Dow		
10:00 AM	Trends and Disruptions for Battery Electric Vehicle (BEV) Thermal Management Systems Eric Rask ITW Automotive	Evaluation of Post-Consumer Recycled Polycar-bonates for Electric Micromobility Vehicles Dr. Rashed Islam, Lyft	Sustainable Composites for Lighter and Flame-Retardant Electric Vehicle Parts: Challenges on Thermal Management and Enclosures for EV Batteries Prof. Amar K. Mohanty Univ. of Guelph, Canada		
10:30 AM	Temperature Management Using Ther-mally Conductive Electrically Insulative (TCEI) Plastic Materials Ray Szparagowski / Sai Sundararaman Freudenberg – NOK Sealing Technologies	High Performance Polyamides for Demanding Battery and Thermal Management Systems Doug Thornhill EMS-GRIVORY	Development of a Multi-Layer Acoustic Package Model for Automotive Acoustics Manoj Thota Dow		
11:00 AM	Thermally Conductive Thermoplastic Solutions for EV Battery Pack Somasekhar Bobba SABIC Specialties	Developments in CirculenRecover TPO Compounds with Recycled Feedstocks for Bumper and Exterior Trim Applications of Electric Vehi-cles Tomik Mouradian LyondellBasell	Frunk made of Ultra-Silent: Greater Drivin Range for Electric Cars Michael Collinsworth Autoneum North America, Inc.		
11:30 AM	Zytel [®] eCool Multilayer Coolant Tube Technology Nate Dumm Celanese	Possibilities for Reducing the Carbon Footprint Thilo Stier Akro Compounds	How Composite e-Motor Mounts Affect EV NVH Performance Ricardo Mercado BASF		
12:00 PM	Santoprene® TPV in EV Cooling Hose Applications Paul Zwick Celanese	Advancement in Sensing and Visualization Semiconductor Solutions that Enhance Safety, Comfort and Sustainability Michael Godwin Osram	2nd Generation NVH Zytel [™] Hushes the Crowd with Muscle Gabriel Knee Celanese		
12:30 PM		CONFERENCE ENDS			

Revision: 9 Date: April 6, 2023