

TUESDAY, SEPT 16

IN AUDITORIUM

IN AMPHITHEATER 101

IN AMPHITHEATER 102

6:30-7:00	REGISTRATION - Coffee in Mezzanine		
7:00-8:00	RIBBON-CUTTING CEREMONY; EXHIBITS OPEN Frank Henning		
	CONTINENTAL BREAKFAST SERVED - BALLROOM		
8:00-8:15	OPENING REMARKS (Including Best Paper Awards & Student Scholarship Announcements) Dale Brosius		
8:15-9:15	KEYNOTE SPEAKER Joseph Carpenter, U.S. Department of Energy, <i>Challenges & Opportunities for Automotive Composites</i>		
	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 1: <i>Long-Fiber Thermoplastics</i>	STRUCTURAL COMPOSITES	NEW COMPOSITE MATERIALS & PROCESSES
9:15-9:45	Uday Vaidya University of Alabama - Birmingham <i>Damage Tolerance Enhancement Using Continuous Fiber Reinforcements Co-Molded with Long Fiber Reinforced Thermoplastics</i>	Hans-Juergen Karkosch, ContiTech Vibration Control & Holger Klink, BASF <i>High Performance Plastic Components for Engine Mount Applications</i>	Suresh Shah Delphi Corp. <i>Opportunities for Plastics Materials / Processes for Under-the-Hood Applications</i>
9:45-10:15	Creig Bowland PPG Industries <i>A Formulation Study of Long Fiber Thermoplastic Polypropylene (Part 1): The Effects of Coupling Agent, Glass Content & Resin Properties on the Mechanical Properties</i>	Roston Ellwell Texas A&M University <i>Machine Augmented Composites Utilizing an Hourglass Shaped Core Element in a Soft Nearly Incompressible Matrix</i> 2007 Student Scholarship Winner	Alan Murray Allied Composite Technologies, LLC <i>Basalt Fibers for High-Performance Composites</i>
10:15-10:45	Raman Chaudhari Fraunhofer Institute of Chemical Technology <i>E-Coat Sustainable Long-Fiber Thermoplastic Composites for Structural Automotive Applications</i>	Libby Berger General Motors Corp. / Automotive Composites Consortium <i>Development of a Structural Composite Underbody</i>	Mike Zimmerman, Quantum Leap Packaging, Inc. & Charles Buehler, General Motors Corp. <i>Revolutionary Polymer for Metal Replacement in Automotive Applications</i>
10:45-11:15	Matthew Marks SABIC Innovative Plastics <i>Long Glass Fiber-Polypropylene Light Weight Instrument Panel Retainers & Door Modules</i>	Fred Deans Allied Composite Technologies, LLC <i>Advances in High Fiber Composites</i>	
11:15-12:15	LUNCH & EXHIBITS - BALLROOM		
12:15-1:15	KEYNOTE SPEAKER C. David Warren, Oak Ridge National Laboratory <i>Future Lower Cost Carbon Fiber for Autos: International Scale-Up & What is Needed</i>		
1:15-2:15	KEYNOTE SPEAKER Gary Savage, Honda Racing F1 Team <i>Composite Materials Technology in Formula 1 Motor Racing</i>		
2:15-2:30	COFFEE BREAK & EXHIBITS - BALLROOM		
	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 2: <i>Other Thermoplastic Technologies</i>	VIRTUAL PROTOTYPING, ANALYSIS & TESTING - PART 1: <i>Modelling</i>	
2:30-3:00	Harsh Bhagat Ticona Engineering Polymers <i>Linear Polyphenylene Sulfide (PPS) for Thermoplastic Composites</i>	Harish Iyer University of Michigan - Ann Arbor <i>Constitutive Modeling of Polymer Composites made from LBL Manufacturing Technique</i>	
3:00-3:30	Edward Kung SABIC Innovative Plastics <i>Low-Gloss, Weatherable, Molded-In-Color PC/PBT Composite for Vehicle Interiors</i>	Roger Assaker e-Xstream Engineering <i>DIGIMAT Multi-Scale Modeling: The Technology & Software Tools for a Predictive Development of Reinforced Plastic Parts</i>	
3:30-4:00	Ab van Geenen Brüggemann Chemical <i>New Methods to Produce Reinforced Polyamide-6 for Improved Material Properties in Engineering Plastic Applications</i>	Medhi Kiasat, Amirkabir University of Technology & Hamid Mostofi, Iran University of Science & Technology <i>Theoretical Simulation of Cure-Induced Deformations of Composite Car Body Panels</i>	
4:00-5:30	PANEL DISCUSSION <i>Government-Industry Panel on the Future of Automotive Composites</i> Moderators: Dale Brosius & Derek Buckmaster		
5:30-7:00	NETWORKING RECEPTION - BALLROOM (Sponsored by Quadrant Plastic Composites)		

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6:30-8:15	CONTINENTAL BREAKFAST SERVED & EXHIBITS - BALLROOM		
8:15-9:00	KEYNOTE SPEAKER David Dyke, Meridian Automotive Systems ACMA / ACA Study on Composites for Hybrid Electric Vehicles		
9:00-9:30	<p>ADVANCES IN THERMOSET COMPOSITES - PART 1: SMC & Urethane</p> <p>Dwight Rust National Composite Center <i>Opportunities and Development of Bio-Based Materials for SMC (Sheet Molding Compound)</i></p>	<p>NANOCOMPOSITES - PART 1</p> <p>Amit Kumar Chaudhary Michigan State University <i>Better Quality Thermoplastic Foams with Nanoclay</i></p>	<p>ENABLING TECHNOLOGIES - PART 1: Formulation & Finishing</p> <p>Rena Pomaville American Compounding Specialties, Inc. <i>Production Scale-Up of New Thermoplastic Composite Resin Formulations: Demonstrating that the Calculated Savings Are Real</i></p>
9:30-10:00	<p>Tobias Potyra Fraunhofer Institute of Chemical Technology <i>Characterisation of the Direct-SMC (D-SMC) Process 2008 Student Scholarship Winner</i></p>	<p>Harris Goldberg InMat Inc. <i>Aqueous Nanocomposite Barrier Coatings</i></p>	<p>Ara Asadorian Schibley Chemical Company Inc. <i>Film Transfer Technology Advancements for Composites</i></p>
10:00-10:30	<p>Stephan Schleiermacher Bayer MaterialScience AG <i>Lightweight Structural Parts with Rigid Integral PUR Foams</i></p>	<p>Amit Kaushik University of Michigan - Ann Arbor <i>Mechanical & Thermal Investigation of Polyurethane Nanocomposites</i></p>	<p>Paul Stassen, Addcomp Holland BV & Frank Henning, Fraunhofer Institute of Chemical Technology <i>New Ultrapure Coupling Agents for Enhancing the Performance of Olefinic LFT & DLFT Composites</i></p>
10:30-11:00	COFFEE BREAK & EXHIBITS - BALLROOM		
11:00-11:30	<p>ADVANCES IN THERMOSET COMPOSITES PART 2: Advanced Composites</p> <p>Martin Starkey Gurit <i>Advanced Composite Class A Closures - Production Ready or Production Proven?</i></p>	<p>NANOCOMPOSITES - PART 2</p> <p>Ray Pearson Lehigh University <i>Toughening Mechanisms in Epoxy Matrix Hybrid Composites / Nanocomposites</i></p>	
11:30-12:00		<p>Cathy Fleicher NaturalNano <i>Clay Nanotubes in Polymer Composites: A Route to Stronger, Lighter & Less Expensive Materials</i></p>	
12:00-12:30		<p>Seung Soon Jang Georgia Institute of Technology <i>NanoStructured Polymer Membrane for Fuel Cell Application: Computational NanoTechnology Approach</i></p>	
12:30-1:30	LUNCH & EXHIBITS - BALLROOM		
1:30-2:30	KEYNOTE SPEAKER Jan-Anders Månson, Ecole Polytechnique Fédérale de Lausanne (EPFL) Composites in Extreme Sports Plus "SPE Educator of the Year" Award Presentation		
2:30-3:00	<p>VIRTUAL PROTOTYPING, ANALYSIS & TESTING - PART 2: Analysis & Testing</p> <p>Vlastimil Kunc Oak Ridge National Laboratory <i>Techniques and Results for Fiber Length Distribution Determination as a Function of Thickness in Long Fiber Reinforced Injection Molded Thermoplastics</i></p>	<p>COMPOSITES IN TRUCKS</p> <p>Edward Zenk Navistar, Inc. <i>Case Study: Tough, Low-Mass Class A SMC</i></p>	<p>BONDING, JOINING, & FINISHING OF COMPOSITES - PART 1: Welding, Mechanical Fastening, & Finishing</p> <p>Andrew Lizotte Fiberforge Corp. <i>Evaluation of Thermal Welding Techniques for Continuous Fiber Reinforced Thermoplastic Composites</i></p>
3:00-3:30	<p>Alejandro Londoño-Hurtado University of Wisconsin-Madison <i>Computer Predictions of the Behavior of Fiber-Reinforced Composites During Molding 2007 Student Scholarship Winner</i></p>	<p>Garland Lee Metton America <i>Reaction Injection Moldable Polydicyclopentadiene (pDCPD) for the Heavy Truck Market</i></p>	<p>Chris Korson LPKF Laser & Electronics <i>Hybrid Laser Welding of Polymers</i></p>
3:30-4:00	<p>Uday Sharma University of Michigan - Dearborn <i>Damage Repair of Low Velocity Impacted Woven Thermoplastic Composites 2008 Student Scholarship Winner</i></p>	<p>Barry Loucks Multimatic, Inc. <i>Multimatic Tailgate Step for Ingress / Egress</i></p>	<p>Joe Gobernatz ATF, Inc. <i>State-of-the-Art Fastening Technology in Thermoplastics and Thermosets</i></p>
4:00-4:30	<p>Peter Foss General Motors Research & Development <i>Composite Liftgate Ductility Performance</i></p>	<p>Fred Buck Commercial Vehicle Group <i>Introduction of Proven Marine Composite Process for the Commercial Vehicle Market</i></p>	<p>Kedzie Fernholz Ford Motor Co. / Automotive Composites Consortium - Joining Working Group <i>Bond-Line Read-Through Investigation for Composite Closure Panels: Initial DOE Results</i></p>
4:30-5:30	KEYNOTE SPEAKER James Colgrove, Trek Bikes Trek's Use of Composites to Lightweight Racing Bikes		
5:30-7:00	NETWORKING RECEPTION - BALLROOM (Sponsored by Ashland Chemical)		

THURSDAY, SEPT 18

IN AUDITORIUM

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6:30–8:00	CONTINENTAL BREAKFAST SERVED & EXHIBITS - BALLROOM		
8:00–9:00	KEYNOTE SPEAKER Barbara A. Sanders, Delphi Corp. <i>History of Automotive Composites</i>		
9:00–9:30	BIO- & NATURAL-FIBER COMPOSITES - PART 1: <i>Bio-Based Resins</i> Mark Goldhawk Dow Automotive <i>Renova Soy-Based Polyol RIM for Automotive Exterior Applications</i>	BONDING, JOINING, & FINISHING OF COMPOSITES - PART 2: <i>Adhesives, Gaskets, & Seals</i> Dave Whiting Bostik, Inc. <i>Getting Started with Automated Gasketing & Sealing</i>	ENABLING TECHNOLOGIES - PART 2: <i>Processing & Tooling Advances</i> Dan Buckley American GFM <i>High Volume Preforming for Structural Applications Using Engineering Fabrics</i>
9:30–10:00	Brian Grosser Samsung <i>Samsung's Bioplastics for Automobiles</i>	Dieter Rueger COLLANO (nolax Automotive) <i>Thermoplastic Film Adhesives for Rear Injection Molding</i>	Ben Halford Surface Generation Ltd. <i>Good-Bye Machining: Reconfigurable Pin Tooling</i>
10:00–10:30	Darcy Culkin Ashland Chemical <i>Recent Developments in Renewable Resource-Based Resins</i>	M.D. Thouless University of Michigan - Ann Arbor <i>The Use of Cohesive-Zone Models to Analyze the Behavior of Adhesive Joints</i>	Stewart Davis CRP Technology <i>Rapid Manufacturing & Continued Development of Highly Stressed Fibre-Reinforced Plastic Parts: Motorbike Dash Assembly Made by Windform XT and SLS Technology</i>
10:30–11:00	Craig Chmielewski L&L Products <i>Chopped Glass & Natural Fiber Composites Based on a Novel Thermoplastic Epoxy Resin Matrix</i>	Dave Whiting Bostik, Inc. <i>Adhesives for Automotive Interiors</i>	Phil Maniscalchi Mold-Tech <i>An In Depth Study of Texture Characteristics & Their Affects on Texture Performance</i>
11:00–11:30	COFFEE BREAK & EXHIBITS - BALLROOM		
11:30–12:00	BIO- & NATURAL-FIBER COMPOSITES - PART 2: <i>Natural-Fiber Reinforcements</i> Jay Amarasekera SABIC Innovative Plastics <i>Natural Fibers Plastic Composites for Automotive Applications</i>	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 3: <i>Exterior Automotive Uses</i> Mike Birrell Azdel, Inc. <i>Thermoplastic Composite Hybrids for Horizontal Automotive Panels</i>	VIRTUAL PROTOTYPING, ANALYSIS & TESTING - PART 3: <i>Predicting Fatigue</i> Jackie Rehkopf Exponent <i>Strain-Life Fatigue Behaviour of Long Glass Fiber-Reinforced Polypropylene</i>
12:00–12:30	Lina Herrera-Estrada University of Alabama - Birmingham <i>Banana Fiber Composites for Automotive & Transportation Applications</i>	John Shin Azdel, Inc. <i>GMT Bumper Beam</i>	Robert Wahlmueller Magna Powertrain <i>Fatigue Life Prediction of Short Fiber Reinforced Plastic Components</i>
12:30–1:30	LUNCH & EXHIBITS - BALLROOM		
1:30–2:15	KEYNOTE SPEAKER Matt Tsien, General Motors Corp. <i>Driving Innovative Solutions for Tomorrow</i>		
2:15–3:00	KEYNOTE SPEAKER Toru Yamanaka, Toray Industries Inc. <i>CFRP: What is Needed Next for Mass Production in the Automobile?</i>		
3:00–3:15	CLOSING REMARKS Dale Brosius		

