

7:00–8:15	REGISTRATION - COFFEE IN MEZZANINE		
	RIBBON-CUTTING CEREMONY - EXHIBITS OPEN		
	CONTINENTAL BREAKFAST SERVED - BALLROOM		
8:15–8:45	OPENING REMARKS (Including Best Paper Awards & Student Scholarship Announcements) Creig Bowland , 2011 SPE ACCE Chair, PPG Industries		
8:45–9:00	COFFEE BREAK & EXHIBITS - BALLROOM		
	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
	ENABLING TECHNOLOGIES - PART 1: New Process Options	ADVANCES IN THERMOSET COMPOSITES - PART 1: SMC & BMC	BIO & NATURAL FIBER COMPOSITES
9:00–9:30	Raman Chaudhari Fraunhofer Institut für Chemische Technologie High Pressure Compression RTM - A New Process for Manufacturing High Volume Continuous Fiber Reinforced Composites	Marcel Schutte DSM Coating Resins Powder In-Mould Coating as a Superior Finishing Solution for SMC in Automotive Applications <i>*Paper Previously Presented at the European Coatings Conference*</i>	Andre Bendo BASF Corp. Material Characterization of Natural Fiber – Acrylic Thermoset Composites
9:30–10:00	Koichi Akiyama Mitsubishi Rayon Co., Ltd. Development of PCM (Prepreg Compression Molding) Technology	Thomas Schmidt Tiger Coatings GmbH & Co. KG Class A Surface Finishing of Composites via Powder in-Mold Coatings	Victor Bravo National Research Council Canada Direct Long Biofibre Thermoplastic Composites for Automotive, Aerospace & Transportation Industries
10:00–10:30	Tobias Potyra Fraunhofer Institut für Chemische Technologie Process, Material & Part Characterization of the Innovative Direct SMC Process 2008 SPE ACCE Scholarship Award Winner	Cedric Ball Bulk Molding Compounds, Inc. Bulk Molding Compound Use in Automotive Fuel Cell Applications	Robert Joyce Innovative Plastics & Molding Fluid Assist Injected Molded Parts with FibreTuff – a Natural Fiber Composite
10:30–11:00	Paul Condeelis Romeo RIM, Inc. Process & Equipment Breakthroughs in Long-Fiber Injection (LFI) Technology	Terrence J. O'Donovan Core Molding Technologies, Inc. Continuing the Development of Reduced Density (SMC) for Automotive Applications	Rick Bell DuPont Automotive Commercial Applications of Bio-Based Polymers in Automotive
11:00–11:30	KEYNOTE SPEAKER John Schweitzer , Senior Director-Government Affairs, American Composites Manufacturers Association, NTP's Cancer Assessment for Styrene – Science, Policy and Implications		
11:30–12:30	LUNCH & EXHIBITS - BALLROOM		
12:30–1:00	KEYNOTE SPEAKER C. David Warren , Program Manager-Transportation Materials & Carbon Fiber, Oak Ridge National Laboratory Lower Cost Carbon Fiber in High Volumes for 21st-Century Industries – The Obstacles to Getting There		
1:00–1:15	COFFEE BREAK & EXHIBITS - BALLROOM		
	ENABLING TECHNOLOGIES - PART 2: Process Control & Secondary Finishing	ADVANCES IN THERMOSET COMPOSITES - PART 2: Adhesives	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 1: Fiber Orientation
1:15–1:45	Tom Trexler Signature Control Engineering LLC Dielectric Sensing Technology: Key to Productivity & Product Consistency	Jie Feng The Dow Chemical Co. Analysis of Adhesive Geometric Effect on Fracture Behavior in Applying Rubber Filled Epoxy Materials	Tim Latimer University of Tulsa A Method for Characterizing Fiber length Distribution in Random Fiber Composites
1:45–2:15	Duane Snider Flow International Corp. Precision Waterjet Cutting in the Composites Industry Utilizing Robots for High Quality Accurate Machining	Syed Mahdi Dow Automotive Systems Two-Component Polyurethane Adhesives having Novel Properties	Kevin Meyer Virginia Tech Progress on Simulating Orientation of Long Glass Fibers in Composites Molding
2:15–2:45	Mark Handelsman KMT Robotic Solutions Robotic Trimming, Cutting and Sanding of Carbon Fiber Body Structures		Francesco DeLeo University of Washington Crashworthiness Energy Absorption of Carbon Fiber Composites: Experiment and Simulation 2010 SPE ACCE Scholarship Award Winner 2011 SPE ACCE Best Paper Award Winner
2:45–3:15			Syed Mazahir Virginia Tech Simulation of Folgar-Tucker Orientation Model with a Semi-Circular Advancing Front Geometry
3:15–3:30	COFFEE BREAK & EXHIBITS - BALLROOM		
3:30–4:30	KEYNOTE SPEAKER Antony Dodworth , Managing Director, Dodworth Design, Stiffer is Better: Lessons Learned in Composites Design of Lightweight Automotive Structures		
4:30–6:00	PANEL DISCUSSION The Role of Composites in Battery Cases & Trays for Fleet Electrification MODERATOR: Drew Winter, Ward's AutoWorld PANELISTS: Jim Dutchik, Asahi Kasei; Frank Henning, Fraunhofer ICT; Kestutis Sonta, General Motors Co.; Joe Bodary, Continental Structural Plastics		
6:30–8:00	COCKTAIL RECEPTION Sponsored by American Composites Manufacturers Association (ACMA) – Automotive Composites Alliance (ACA)		

WEDNESDAY, SEPT 14

7:00–8:00	REGISTRATION / CONTINENTAL BREAKFAST SERVED & EXHIBITS - BALLROOM		
8:00–8:15	OPENING REMARKS (Including PPG-SPE Undergraduate & Graduate Poster Competition Awards) Creig Bowland , 2011 SPE ACCE Chair, PPG Industries		
8:15–8:30	COFFEE BREAK & EXHIBITS - BALLROOM		
	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
8:30–9:00	<p>FINALIZING THE DESIGN & DEVELOPMENT OF A STRUCTURAL COMPOSITE UNDERBODY - PART 1:</p> <p>Libby Berger General Motors Co. / USCAR Program Summary of the ACC Automotive Composites Underbody</p>	<p>ADVANCES IN THERMOPLASTIC COMPOSITES - PART 1: Enhancing Polypropylene</p> <p>Scott Miller Dow Corning Corp. Closing the Gap Between Polypropylene and Polyamide Composites with New Silane Grafting Technology from Dow Corning</p>	<p>VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 2: Fiber Orientation</p> <p>Marios Lambi BASF Corp. Predicting Performance of Thermoplastic Composites Taking into Account the Fiber Orientation Effects Utilizing ULTRASIM™ Technology – Part 1: Methodology</p>
9:00–9:30	<p>Charles Knakal USCAR Manufacturing Scenarios & Challenges with a Fabric SMC Automotive Underbody</p>	<p>Yan Jin SINOPEC Beijing Research Institute of Chemical Industry Analysis of Polypropylene Odor Based on Electronic Olfactory System</p>	<p>Marios Lambi BASF Corp. Predicting Performance of Thermoplastic Composites Taking into Account the Fiber Orientation Effects Utilizing ULTRASIM™ Technology – Part 2: Case Studies</p>
9:30–10:00	<p>Libby Berger General Motors Co. / USCAR Material Properties of a Fabric Sheet Molding Compound for a Structural Composite Underbody</p>	<p>Joseph George Quadrant Plastic Composites Lightweight Design of Structural Parts with Thermoplastic Composites</p>	<p>Robert Sherman RTP Company Injection Molding Fiber Orientation, Property Predictions, and Failure Analysis</p>
10:00–10:15	COFFEE BREAK & EXHIBITS - BALLROOM		
10:15–10:45	<p>FINALIZING THE DESIGN & DEVELOPMENT OF A STRUCTURAL COMPOSITE UNDERBODY - PART 2:</p> <p>Justin Hunt AET Integration Inc. / USCAR Fatigue Performance of SMC Composite Material under Different Environmental Damage & Temperature Conditions</p>	<p>ADVANCES IN THERMOPLASTIC COMPOSITES - PART 2: Enhancing Polypropylene</p> <p>Creig Bowland PPG Industries, Inc. A Formulation Study of Long Fiber Thermoplastic Polypropylene (Part 3): Mechanical Properties of PP DLFT Composites</p>	<p>VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 3: Toward Mainstream Automotive</p> <p>Rani Richardson Dassault Systèmes CAD: Composites Are Different - Moving Beyond Yesterday's CAD Tools to Accelerate Adoption in Mass-Produced Autos</p>
10:45–11:15	<p>Hannes Fuchs Multimatic Engineering / USCAR Status of the Composite Underbody Component & Assembly Structural Test-Analysis Correlation <i>2011 SPE ACCE Best Paper Award Winner</i></p>	<p>K.B. Thattaiartharthy University of Alabama at Birmingham Colored Inorganic Pigmented Long Fiber Thermoplastics</p>	<p>Richard Schaake SKF Engineering & Research Centre Understanding of Aerospace Composite Design Principles for Structural Fittings</p>
11:15–11:45		<p>John Klein Asahi Kasei Plastics North America High Performance Engineered Polypropylene Compounds for High Temperature Automotive Under-the-Hood Applications</p>	<p>James Salerno Plasan Carbon Composites Implementation of Advanced Composite Design Software and Practices</p>
11:45–12:45	LUNCH & EXHIBITS - BALLROOM		
12:45–1:15	KEYNOTE SPEAKER Chuck Kazmierski , Program Manager, Lucintel, Growth Opportunities in Global Composites Market 2011- 2016		
1:15–1:45	KEYNOTE SPEAKER Patrice Sinthon , Director-Marketing & Sales, JEC Group, Main Trends & Dynamics of the Worldwide Composites Industry		
1:45–2:00	COFFEE BREAK & EXHIBITS - BALLROOM		

WEDNESDAY, SEPT 14 (CONTINUED)

	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
2:00–2:30	ADVANCES IN COMPOSITE REINFORCEMENT TECHNOLOGIES - PART 1: New Options for Improving Mechanicals Kipp Grumm, BASF Amit Kulkarni, Faurecia Thermoplastic Overmolded Continuous Fiber Structures	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 3: Applications Update C.H. Choi Hyundai Motor Co. Recent Thermoplastic Composites for Automotive Applications	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 4: Modeling Roger Assaker e-Xstream engineering DIGIMAT for Continuous Fiber Reinforced Composites
2:30–3:00	Benjamin Hangs Fraunhofer Institut für Chemische Technologie Integration of Features into Parts Made from Thermoplastic, Unidirectional Tape – Overview and Case Study 2010 SPE ACCE Scholarship Award Winner	Marcia Kurcz Polyscope Polymers B.V. Automotive Sunroof Systems & Frames in Xiran® SMA/ABS	Michael Parrott e-Xstream engineering Multi-Scale Modeling of Fatigue of Fiber Reinforced Plastics with DIGIMAT
3:00–3:30	Timo Huber Fraunhofer Institut für Chemische Technologie Local Continuous Fibre-Reinforcement – Tailored Injection Moulding >> Lightweight Potential for Injection Moulded Parts <<	Thomas Russell Allied Composite Technologies LLC Thermoplastic Composite Structural Strut	Paul Deslauriers Multimatic Engineering Finite Element Modeling of Bond-Line Read-Through in Composite Automotive Body Panels Subject to Elevated Temperature Cure
3:30–3:45	COFFEE BREAK & EXHIBITS - BALLROOM		
3:45–4:15	KEYNOTE SPEAKER Nathan Armstrong , President & Director, Motive Industries, Return of the Small Car Maker		
4:15–4:45	KEYNOTE SPEAKER Ashish Diwanji , Vice-President of Innovation, Owens Corning, Winning with Composites in a World Seeking Sustainable Solutions		
4:45–6:15	PANEL DISCUSSION <i>Measuring the Sustainability Proposition of Composites</i> MODERATOR: Jeff Sloan, <i>CompositesWorld.com</i> PANELISTS: Shristy Bashyal, <i>University of Missouri</i> ; Ashish Diwanji, <i>Owens Corning</i> ; Antony Dodworth, <i>Dodworth Design</i> ; Mark Voss, <i>General Motors Co.</i> ; C. David Warren, <i>Oak Ridge National Laboratory</i> ; Jaap van der Woude, <i>PPG Industries</i>		

THURSDAY, SEPT 15

7:30–8:30 CONTINENTAL BREAKFAST SERVED & EXHIBITS - BALLROOM

	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
8:30–9:00	NANOCOMPOSITES Martin Bureau National Research Council Canada Selective Compatibilization for Stiffer, High Impact TPO/Clay Nanocomposites	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 4: High-Temperature Matrices Bob Newill Ticona Engineering Polymers Aerospace & Automotive Seat Frames from Carbon & PPS Thermoplastic Tape	ADVANCES IN COMPOSITE REINFORCEMENT TECHNOLOGIES - PART 2: New Options for Improving Mechanicals Jackie Rehkopf Plasan Carbon Composites Sustainability with Automotive Carbon Fibre Composites: Reclaimed Carbon Fibre – cPBT Thermoplastic Composite
9:00–9:30	Xian Jiang Michigan State University Synthesis of Bipolar Plates for Fuel Cells Based on Exfoliated Graphene Nanoplatelets Filled Polymeric Nanocomposites 2011 SPE ACCE Best Paper Award Winner	Steve Mok DuPont Automotive Superior Resistance to Thermo-Oxidative & Chemical Degradation in Polyamides & Polyphthalamides	Uday Vaidya University of Alabama at Birmingham Mechanisms of Interfacial Adhesion in Metal-Polymer Composites
9:30–10:00	W.H. Katie Zhong Washington State University Enabling Faster Resin Infusion Processing of Automotive Composites: A “Nano-Nectar” Technology Leading Epoxy to High Performance and Low Viscosity 2011 SPE ACCE Best Paper Award Winner	Charlie Costello Ticona Engineering Polymers Thermoplastics for High-Temperature Composite Processes & Applications	Uday Vaidya University of Alabama at Birmingham Mechanical & Impact Response of Recycled Thermoplastic & Flyash Foam Composites
10:00–10:30	COFFEE BREAK & EXHIBITS - BALLROOM		
10:30–11:00	KEYNOTE SPEAKER David Lashmore , Vice President R&D, Nanocomp Technologies, Inc., Carbon Nanotube Composites Fabricated from Multiwall Carbon Nanotube (MWCNT) Mat		
11:00–11:30	KEYNOTE SPEAKER Mark Voss , Lead Composites Engineer, General Motors Co., GM's Lightweighting Strategy for Composites		
11:30–11:45	CLOSING REMARKS Creig Bowland , 2011 SPE ACCE Chair		
11:45–1:00	LUNCH & EXHIBITS - BALLROOM		
1:00	CONFERENCE ADJOURNS		
1:30–4:30	OFFSITE PLANT TOUR AT ROMEO RIM (SEE URETHANE COMPOSITE PARTS MOLDED ON THE WORLD'S LARGEST LFI PRESS)		