

Tuesday, Sept 15

	↓ in Auditorium ↓	↓ in Amphitheater 101 ↓	↓ in Amphitheater 102 ↓
6:30–7:00	Registration - Coffee in Mezzanine (Sponsored by SPE)		
7:00–8:30	Ribbon-Cutting Ceremony; Exhibits Open Frank Henning		
	Continental Breakfast Served - Ballroom (Sponsored by Quadrant Plastic Composites)		
8:30–8:45	Opening Remarks (Including Best Paper Awards & Student Scholarship Announcements) Cedric Ball, '09 SPE ACCE Chair		
8:45–9:15	Keynote Speaker Kalyan Sehanobish, Dow Chemical, <i>A Vision for Carbon Fiber Composites in Automotive</i>		
9:15–9:45	Keynote Speaker Deborah Mielewski, Ford Motor Co., <i>Can You Be-Leaf It? Development & Implementation of Sustainable Materials for the Automotive Industry</i>		
9:45–10:00	Coffee Break & Exhibits - Ballroom (Sponsored by American Chemistry Council)		
	ENABLING TECHNOLOGIES - PART 1: <i>Additives, Reinforcements, & Matrix Enhancements</i>	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 1: <i>Coupling Process & Structural Simulations</i>	BIO- & NATURAL FIBER COMPOSITES - PART 1: <i>Green Thermosets</i>
10:00–10:30	Nikhil Verghese Dow Chemical <i>Epoxy Thermosets Modified with Novel Nano-Scale, Self-Assembled Block Copolymers: Toughening Mechanisms and Extension to Composites</i>	Roger Assaker e-Xstream Engineering <i>Digmat Material eXpert – From the Material Lab to the Efficient and Optimal Design of Reinforced Plastic Parts</i>	Dejan Andjelkovic Ashland, Inc. <i>Renewable Resource-Based Composites for the Automotive Industry</i>
10:30–11:00	Gero Nordmann BASF <i>Zero-Emission Acrylic Thermoset Technology</i>	Ba Nghiep Nguyen Pacific Northwest National Laboratories <i>Damage Modeling of Injection-Molded Short- and Long-Fiber Thermoplastics</i>	Thomas Steinhäusler AOC, LLC <i>An Investigation of 'Green' Class-A SMC</i>
11:00–11:30	Zeba Farheen Abdul Samad Univ. of Illinois-Champaign Urbana <i>Improved Matrix Materials for High-Performance Carbon Fiber Aromatic Thermosetting Copolyester</i> 2009 SPE ACCE Scholarship Award Winner	Peter Foss General Motors Co. <i>Application of Digmat Micromechanical Modeling to Polymer Composites</i>	Dwight Rust United Soybean Board <i>Bio-Based Polymers from Soy Chemistry</i>
11:30–12:30	Lunch & Exhibits - Ballroom (Sponsored by Ticona Engineering Polymers)		
12:45–1:15	Keynote Speaker Eann Patterson, Michigan State University <i>An Innovation Process for Composite Structures from the Nano- to Macro-Scale: A Vision for a New Center</i>		
1:15–1:45	Keynote Speaker Barrie Dickinson, Tesla Motors, <i>Plastics & Composites Solutions for the Tesla Roadster</i>		
1:45–2:00	Coffee Break & Exhibits - Ballroom (Sponsored by Ashland, Inc.)		
	ENABLING TECHNOLOGIES - PART 2: <i>Product Enhancements via Processing & Bonding</i>	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 2: <i>Coupling Process & Structural Simulations (continued)</i>	BIO- & NATURAL FIBER COMPOSITES - PART 2: <i>Natural Fiber Advances</i>
2:00–2:30	Heinrich Ernst Dieffenbacher GmbH <i>Long-Fiber Reinforced Thermoplastic LFT-D & Thermosetting DSMC Processes for Lightweight Parts Production – Trends & Recent Applications</i>	Tom Trexler Ashland, Inc. <i>Sensing When the Molding Cycle is Over... The Key to Productivity & Product Consistency</i>	Ellen Lee Ford Motor Co. <i>Development of Injection Moldable Composites Utilizing Annually Renewable Natural Fibers</i>
2:30–3:00	David Trudel-Boucher National Research Council of Canada <i>Development of an Adhesive-Primer for Polypropylene Composites</i>	Suresh Shah Delphi Corp. <i>Advanced Simulation of Fiber-Reinforced Automotive Radiator End Tanks by Capturing Anisotropic Material Properties</i>	Anthony Mascarin IBIS Associates <i>Economical Preform Production for Conventional and Natural Fiber Composites</i>
3:00–3:30	Michael Barker Ashland, Inc. <i>Low Temperature Cure Polyurethane Adhesive for "Primerless" Composite Bonding</i>	Matthew Marks SABIC Innovative Plastics <i>Material Characterization & Modelling of Long Glass-Fiber Composites</i>	Richard Bell DuPont Engineering Polymers <i>Renewably Sourced Engineering Polymers For High Performance End Use Applications</i>
3:30–4:00	Coffee Break & Exhibits - Ballroom (Sponsored by Williams, White & Co.)		
4:00–5:30	Panel Discussion <i>The Role of Composites in the New Automotive Landscape</i> Moderator: Dale Brosius Panelists: D. Cole, J. deVries, B. Dickinson, M. Jackson, T. Juechter, P. Sklad		
5:30–6:30	Networking Reception - Ballroom (Sponsored by Quadrant Plastic Composites)		



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6:30–7:45	Continental Breakfast Served & Exhibits - Ballroom (Sponsored by Dieffenbacher)		
7:45–8:15	Keynote Speaker Hadrian Rori, Bright Automotive, <i>Development of the 100 MPG Bright Automotive Plug-in Hybrid Vehicle</i>		
8:15–8:30	Coffee Break & Exhibits - Ballroom (Sponsored by Addcomp Holland BV)		
8:30–9:00	ADVANCES IN THERMOSET COMPOSITES - PART 1: <i>Material & Process Enhancements</i> Hamid Kia General Motors Co. <i>Alternative Methods to Enable the Powder Priming of SMC</i>	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 1: <i>Long-Fiber Thermoplastics</i> Eric Wollan PlastiComp LLC <i>Pushtrusion™ Direct In-Line (D-LFT) Compounding Technology vs. LFT Pellets & GMT Sheet</i>	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 3: <i>Data Collection & Materials Characterization</i> Shivanand Sankaran University of Michigan-Dearborn <i>Fatigue Properties of Injection Molded 33% E-Glass Fiber Reinforced Polyamide-6,6</i>
9:00–9:30	Kedzie Fernholz Ford Motor Co. <i>The Influence of SMC Formulation, Inner Panel Thickness, and Bond Stand-Offs on Bond-Line Read-Through Severity</i>	Creig Bowland PPG Industries <i>A Formulation Study of Long Fiber Thermoplastic Polypropylene (Part 2): The Effects of Coupling Agent Type & Properties</i>	Ellen Lackey University of Mississippi <i>Identification, Selection & Development of Composite Test Standards – A Case Study from the Development of a Design Standard for Composites</i>
9:30–10:00	Tobias Potyra Fraunhofer Institute of Chemical Technology <i>Flexibility in the Direct Strand Moulding Compound Process</i> 2008 SPE ACCE Scholarship Award Winner	Uday Vaidya University of Alabama-Birmingham <i>Fatigue & Vibration Response of Long Fiber Reinforced Thermoplastics</i>	Jay Tudor Dow Automotive <i>Engineering Aspects of Designing with Pultruded Carbon-Fiber Composites</i>
10:00–10:30	Usama Younes Bayer MaterialScience <i>Recent Advances in Class A Polyurethane Long Fiber Injection (LFI) Composites</i>		Andy Rich Plasan Carbon Composites <i>Study of Braided Composites for Energy Absorption</i>
10:30–11:00	Coffee Break & Exhibits - Ballroom (Sponsored by AOC Resins)		
11:00–11:30	ADVANCES IN THERMOSET COMPOSITES - PART 2: <i>Application Development</i> Toai Ngo, Ashley Industrial Molding, Inc. Mayur Shah, Continental Structural Plastics <i>Composite Power-Train Components: Reducing Warranty Costs & Improving Part Quality</i>	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 2: <i>Trends & Opportunities</i> Bob Eller Robert Eller Associates <i>Automotive Thermoplastic Composites... Industry Structure and New Technologies Respond to a Global Recession</i>	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 4: <i>Simulation & Part Verification</i> James Sherwood University of Massachusetts-Lowell <i>Mesoscopic Finite Element Simulation of the Compression Forming of Sheet Molding Compound Woven-Fabric Composites</i>
11:30–12:00	Libby Berger General Motors Co. <i>Automotive Composites Consortium Structural Composite Underbody</i>	David Lake Milliken Chemical <i>High Performance Reinforcement: A Pathway to Density Reduction while Maintaining Physical Properties of Polyolefin Composites</i>	Gregorio Vélez-Garcia Virginia Tech <i>Progress in Simulations for Short and Long Glass Fiber Thermoplastic Composites</i> 2009 SPE ACCE Scholarship Award Winner
12:00–12:30	Jim Cederstrom Bulk Molding Co. Inc. <i>BMC Composites: High Value Metal Replacement Material Alternative for Automotive Powertrain Applications</i>	Duane Emerson Ticona Engineering Polymers <i>Innovative PPS Blow-Molded Air Duct for Turbocharged Diesel Engine</i>	Hannes Fuchs Multimatic <i>Initial Finite Element Analysis of Bond-Line Read-Through in Composite Automotive Body Panels Subject to Elevated Temperature Cure</i>
12:30–1:30	Lunch & Exhibits - Ballroom (Sponsored by RTP Company)		
1:30–2:00	Keynote Speaker Dana Myers, Myers Motors, <i>Composites Help Electrify Transportation</i>		
2:00–2:15	Coffee Break & Exhibits - Ballroom (Sponsored by Reichold Inc.)		
2:15–2:45	ENABLING TECHNOLOGIES - PART 3: <i>Process & Tooling Enhancements</i> Antony Dodworth Bentley Motors <i>Bentley Motors Develops Unique Directional Carbon Fibre Preforming Process for Chassis Rails</i>	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 3: <i>Matrix Enhancements</i> Alan Murray Allied Composite Technologies <i>Structural Thermoplastic Composites – Filling the Gap between Stamped Steel and Molded Composites</i>	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 5: <i>Simulation & Part Verification (continued)</i> Barton McPheeters Nei Software, Inc. <i>Progressive Ply Failure Analysis for Composite Structures</i>
2:45–3:15	Andrew Wabran University of Auckland <i>Reducing Setup Costs: Tooling Force Prediction in Resin Transfer Moulding (RTM) & Compression RTM</i>	Frank Henning, Fraunhofer ICT Louis Martin, Addcomp North America <i>Latest in Additive Developments for Long Fibre Reinforced Polymers</i>	Uday Sharma University of Michigan-Dearborn <i>Analysis of Woven Glass Fiber Reinforced Thermoplastic Composites under Varying Strain Rates</i> 2008 SPE ACCE Scholarship Award Winner
3:15–3:45	Herbert Funke FibreTech & Fachhochschule Dortmund / University of Applied Sciences and Arts <i>Electrically-Heated Moulds of CRP Composite Materials for Automotive Application</i>	Fred Deans Allied Composite Technologies <i>Advances in Thermoplastic Composites Using CBT</i>	
3:45–4:00	Coffee Break & Exhibits - Ballroom (Sponsored by PPG Industries)		
4:00–4:30	Keynote Speaker Gary Lownds, Plasan Carbon Composites, <i>Automotive Carbon Composites – Historic Obstacles, Current Solutions, & Future Trends</i>		
4:30–4:45	Closing Remarks Cedric Ball, '09 SPE ACCE Chair		