

7:00-7:30	REGISTRATION - COFFEE IN MEZZANINE		
	RIBBON-CUTTING CEREMONY Frank Henning ; EXHIBITS OPEN		
	CONTINENTAL BREAKFAST SERVED - BALLROOM		
7:30-7:45	OPENING REMARKS (Including Best Paper Awards & Student Scholarship Announcements) Cedric Ball , '09 & '10 SPE ACCE Chair		
7:45-8:15	KEYNOTE SPEAKER Mike Jackson , IHS Automotive, Dynamics of Recovery & Competitiveness: The North American Outlook in A Global Context		
8:15-9:15	KEYNOTE SPEAKER Paolo Feraboli & Luciano DeOto , Univ. of Washington & Automobili Lamborghini S.p.A., Carbon Fiber Composites Research & Development at Automobili Lamborghini		
9:15-9:30	COFFEE BREAK & EXHIBITS - BALLROOM		
	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
	ENABLING TECHNOLOGIES - PART 1: New Thermoplastic Processing Innovations	ADVANCES IN THERMOSET COMPOSITES - PART 1: SMC & BMC	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 1
9:30-10:00	Jack Van Ert Vantage Technologies Differential Pressure Molding Process	Mike Siwajek Continental Structural Plastics Light Weight Class "A" SMC Body Panels-TCA Lite®	Gregorio Vélez-García Virginia Tech Improvement in Orientation Measurement for Short & Long Fiber Injection Molded Composites 2009 SPE ACCE Scholarship Award Winner
10:00-10:30	Uday Vaidya University of Alabama-Birmingham Progressive Forming of Thermoplastic Composites	Probir Guha Continental Structural Plastics A Case Study-SMC Consistency: A Data-Based Technique to Quality Improvement	Michael Wyzgoski American Chemistry Council Predicting the Tensile Strength of Short Glass Fiber Reinforced Injection Molded Plastics
10:30-11:00	Werner du Toit LOMOLD Group New Molding Process Offers Unique Levels of Design Complexity, Mechanical Strength, Cost Reduction for Long-Fiber Thermoplastic Composites	Tobias Potyra Fraunhofer Institute of Chemical Technology Direct Compounding-Insight & Results of the First Full-Scale Pilot Plant 2008 SPE ACCE Scholarship Award Winner	Syed Mazahir Virginia Tech Improvement in the Simulation of Injection Molded Short Glass Thermoplastic Composites
11:00-11:30	James Mihalich Cyclics Corp. Production of a Class 8 Truck Trailer Bed Using c-PBT Thermoplastic Prepreg & Vacuum Bag Processing	Randy Lewis P.R. Lewis Consulting, LLC "Near-Perfect" New Centrifugal Pump Wear Rings and Bushings	Hannes Fuchs Multimatic Effect of the Adhesive Joint Cross-Section Parameters on the Bond-Line Read-Through in Composite Automotive Body Panels Subject to Elevated Temperature
11:30-12:30	LUNCH & EXHIBITS - BALLROOM		
12:30-1:30	KEYNOTE SPEAKER Antony Dodworth , Bentley Motors Ltd., Birth of the T35 Sports Car: Releasing the Familiar & Secure to Embrace the New		
1:30-1:45	COFFEE BREAK & EXHIBITS - BALLROOM		
	ENABLING TECHNOLOGIES - PART 2: New Thermoset Processing Innovations	ADVANCES IN THERMOSET COMPOSITES - PART 2: Urethane, Copolyester, & Epoxy	VIRTUAL PROTOTYPING & TESTING OF COMPOSITES - PART 2
1:45-2:15	Matthias Graf Dieffenbacher GmbH & Co. KG High Pressure Resin Transfer Molding - Process Advancements	Daniel Heberer Huntsman Polyurethanes Novel Isocyanate-Based Resin Systems with Tunable Reaction Times	Kedzie Fernholz Ford Motor Co. The Influence of Bond Dam Design & Hard Hits on Bond-Line Read-Through Severity
2:15-2:45	Joseph Ouellette Acolab Ltd. Heatpipe / Thermosiphon Augmented Mandrels to Improve Cure Quality & to Reduce Cure Time in the Thermoset Pipe & Tube Filament Winding Process	Allan James The Dow Chemical Co. Polyurethane Environment Friendly Sandwich Structure Load Floor	Laurent Adam e-Xstream Engineering Multi-Scale Modeling of Creep of Reinforced Plastics Parts with DIGMAT
2:45-3:15	Don Lasell Retired High-Volume Automotive Structural Composites: Novel Thoughts on Key Enabling Materials & Manufacturing Technologies	Zeba Parker University of Illinois-Urbana/Champagne Orientational Order Induced by Carbon Fiber in Aromatic Thermosetting Copolyester Matrix 2009 SPE ACCE Scholarship Award Winner	Swati Neogi India Institute of Technology Scaling Down Methodology for Composite Cab Front Prototype Using Resin Transfer Moulding Process
3:15-3:45	Dev Barpanda The Dow Chemical Co. Eco-Friendly Automotive Plastic Seat Design	Heinz-Gunter Reichwein Hexion Specialty Chemicals, Inc. Light, Strong and Economical - Epoxy Fiber-Reinforced Structures for Automotive Mass Production	Siddharth Ram Athreya The Dow Chemical Co. Constitutive Property Estimation of Stitched Composites for Engineering Applications - A Hybrid Approach
3:45-4:15	COFFEE BREAK & EXHIBITS - BALLROOM		
4:15-4:45	KEYNOTE SPEAKER Claudio Santoni , McLaren Automotive Ltd., McLaren MP4-12C Carbon Fibre "MonoCell"		
4:45-6:15	PANEL DISCUSSION Taking Structural Composites from Niche to Mainstream: Can it be Done? Moderator: Dale Brosius		
6:15-7:30	NETWORKING RECEPTION - BALLROOM (Sponsored by SPE Thermoset Division)		

6:30-7:45	CONTINENTAL BREAKFAST SERVED & EXHIBITS - BALLROOM		
7:45-8:15	KEYNOTE SPEAKER Roger Assaker , <i>e-Xstream Engineering</i> , Predictive Modeling of "Composite" Materials & Structures: State-of-the-Art Solutions & Future Challenges		
8:15-8:30	COFFEE BREAK & EXHIBITS - BALLROOM		
	IN AUDITORIUM	IN AMPHITHEATER 101	IN AMPHITHEATER 102
	DESIGN & DEVELOPMENT OF A STRUCTURAL COMPOSITE UNDERBODY - PART 1	BIO- & NATURAL FIBER COMPOSITES	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 1: LFT vs. D-LFT, & Olefin Composites
8:30-9:00	Libby Berger <i>General Motors Co./USCAR</i> Design and Fabrication of a Structural Composite Automotive Underbody	Walter Bradley <i>Baylor University</i> More Sustainable Non-Woven Fabric Composites for Automotive Using Coir (Coconut) Fibers	Hansel Ramathal <i>Ticona Engineering Polymers</i> Unpainted, Visible-Surface LFT Parts for Auto Interiors
9:00-9:30	Libby Berger <i>General Motors Co./USCAR</i> Properties and Molding of a Fabric SMC for a Structural Composite Automotive Underbody	Leonard Fifield <i>Pacific Northwest National Laboratory</i> Compression Molded, Bio-Fiber Reinforced, High Performance Thermoset Composites for Structural and Semi-Structural Applications	Martin McLeod <i>National Research Council Canada</i> Morphological & Mechanical Comparison of Injection & Compression Moulding In-Line Compounding of Direct Long Fibre Thermoplastics
9:30-10:00	Hannes Fuchs <i>Multimatic/USCAR</i> Double Dome Structural Test—Analysis Correlation Studies	Gero Nordmann <i>BASF Corp.</i> Eco-Friendly Acrylic Copolymers Offering Clean Manufacturing, Reduced VOC Emissions, Excellent Performance	Louis Martin <i>Addcomp North America Inc.</i> Decreasing VOC Emissions at the Source with New Additive Technologies for Olefin Composites
10:00-10:30	Hannes Fuchs <i>Multimatic/USCAR</i> Super Lap Shear Joint Structural Test—Analysis Correlation Studies	Matt Barr <i>Faurecia</i> Lightweight Sustainable Substrate Materials for Automotive Interiors	P.K. Mallick <i>University of Michigan-Dearborn</i> Tensile and Fatigue Performance of a Self-Reinforced Polypropylene
10:30-11:00	COFFEE BREAK & EXHIBITS - BALLROOM		
	DESIGN & DEVELOPMENT OF A STRUCTURAL COMPOSITE UNDERBODY - PART 2	ENABLING TECHNOLOGIES - PART 3: Machining Composites	ADVANCES IN THERMOPLASTIC COMPOSITES - PART 2: Nylon Applications
11:00-11:30	Caroline Dove <i>Ford Motor Co./USCAR</i> Shear Deformation Properties of Glass-Fabric Sheet Molding Compound	Duane Snider <i>Flow International Corp.</i> Precision Waterjet Cutting in the Composites Industry Utilizing Robots for High Quality Accurate Machining	Marianne Morgan <i>BASF Corp.</i> Design and Part Performance Testing for Thermoplastic Automotive Oil Pans — NA Market
11:30-12:00	Bhavesh Shah <i>General Motors Co./USCAR</i> Structural Performance Evaluation of Composite-to-Steel Weld Bonded Joint	Andrew Gilpin <i>AMAMCO Tool</i> Machining Composite: A Collaborative Approach to Application Specific Solutions	Hans-Juergen Karkosch, ContiTech Vibration Control & Holger Klink, BASF SE High Duty, Lightweight Polyamide Engine Mounts
12:00-1:00	LUNCH & EXHIBITS - BALLROOM		
1:00-1:30	KEYNOTE SPEAKER Rani Richardson , <i>Dessault Systèmes</i> , Flying Off the Line: How Aerospace Knowledge Can Accelerate the Use of Composites in Mass Produced Autos		
	COMPOSITES - BUSINESS TRENDS & TECHNOLOGIES	ENABLING TECHNOLOGIES - PART 4: Other Process Enhancements	NANOCOMPOSITES
1:30-2:00	Frank Henning <i>Fraunhofer Institute of Chemical Technology</i> Technology Development for Automotive Composite Part Production — New Materials & Processes	Jean-Jacques (J.J.) Katz <i>TrimaBond, LLC</i> Recycling of Landfill-Bound Automotive Headliners into Useful Composite Panels	Bor Zang <i>Wright State University</i> Nano Graphene Platelets (NGPs) and NGP Nanocomposites: A Review
2:00-2:30	Susan Ward <i>ITECS</i> Leveraging Government Money to Drive Innovation in Materials	Parvinder Walia <i>Dow Chemical Co.</i> Methods of Making 3-Dimensional Shaped Composite Structures	Lawrence Drzal <i>Michigan State University</i> Graphene Nanoplatelet Additives for Multifunctional Composite Materials
2:30-3:00	Jackie Rehkopf <i>Exponent, Inc.</i> Plastics/Composites in Automotive Applications — Defending the Product Performance in Insurance Claim and Litigation Situations	Benjamin Hangs <i>Fraunhofer Institute of Chemical Technology</i> Crashworthiness of GF/PET and GF/PAG Tubes Produced in a Novel Rapid Tape Placement Process 2010 SPE ACCE Scholarship Award Winner	Mike Brooks <i>InPore Technologies</i> Mesoporous Silicate Particles (MSP) for Improving Performance & Productivity in Various Composite & Polymer Formulation
3:00-3:30	COFFEE BREAK & EXHIBITS - BALLROOM		
3:30-4:00	KEYNOTE SPEAKER Gary Lownsdale , <i>Plasan Carbon Composites</i> , Achieving a 10-Min Cycle Time in Advanced Composites		
4:00-4:15	CLOSING REMARKS Cedric Ball , '09 & '10 SPE ACCE Chair		