



Agenda

- 7:30-8:30 **Registration & Continental Breakfast**
- 8:30-8:40 **Opening Remarks:** David Okonski
- 8:40-9:15 **Executive Chair:** Huijuan Dai, PhD, Department of Energy / Welcome Remarks & Keynote
- 9:15-9:20 **Technical Program Overview:** Sandra McClelland
- 9:20-9:45 **Keynote:** Plastics Industry Outlook / Joe Langley, S&P Global
- 9:45-9:55 Break

	Salon A	Salon B	Salon C
	I. Additive Manufacturing page 11	II. Electrification page 13	III. Department of Energy Technical Presentations page 16
9:55	Revolutionizing Lightweighting Through Systems Integration of Advanced Composites SRIKANTH PILLA, UNIV. OF DELAWARE spilla@udel.edu	Design & Manufacturing of Thermoplastic Composite Bipolar Plates ALI MANZOOR, UNIVERSITY OF TORONTO alimanzoor@mail.utoronto.com	Automotive & Trucking Industry Feedback to Inform Future DOE Investments DAN COUGHLIN OAK RIDGE NATIONAL LABS
10:20	Additive Manufacturing Automotive Applications RYAN HAYFORD, ENDEAVOR 3D ryan.hayford@endeavor3d.com	High Temperature High Voltage Capacitor Film for AC-DC Inverters in Electric Vehicles ADEL BASATAWROS, SABIC adelbasatawros@sabic.com	AMMTO Program Plans & Smart Manufacturing HUIJUAN DAI / JOHN WINKEL DEPARTMENT OF ENERGY AMMTO
10:45	Break		
11:10	Understanding LFAM with High Temp Materials DANIEL FERNBACK, JUGGERBOT3D dan@juggerb3d.com	Long Chain Polyamides for Thermal Management and High Voltage Application in BEVs DR. CHRISTIAN KOCHANNEK, EVONIK christian.kochannek@evonik.com	VTO Program Plans & Composites Core Program FELIX WU / JERRY GIBBS DEPARTMENT OF ENERGY VTO
11:35	Bringing AM parts into reality with the right Post-Processing LESTER HITCH, DYEMANSION mike@dyemansion.com	High Performance Polyamides for Today's Emerging Applications GREG BEACH, EMS GRIVORY gregory.beach@us.emsgrivory.com	IACMI / SuRF Programs & Capabilities Chad Duty / Ray Boeman, IACMI

To compliment the strong technical program, we have four outstanding keynote addresses from industry experts who will speak to the future of plastics and the long-term challenges facing our industry. In addition, the Department of Energy has elected to co-locate with our conference and is holding a workshop whose desired outcomes are to identify Areas of Interest (AOIs) for future Funding Opportunity Announcements (FOAs) and determine why technical research success does not necessarily translate into commercial success – participation by all is welcomed and encouraged.

12:00	Lunch		
1:15	KEYNOTE: Innovations in Automotive Engineering Plastics – A Highlight of Most Recent Trends From the Automotive Innovation Awards SPEAKER: Jeff Helms, Celanese		
	Salon A	Salon B	Salon C
	IV. Additive Manufacturing Panel page 19	V. Sustainability page 23	VII. Injection Molding page 27
1:45	"Additive Manufacturing for Sustainability" Panel Discussion	Sustainable by Design CARLO GRASSINI, RADICI GROUP carlograssini@radicigroup.com	Solutions to hybrid, electric, and fuel cell vehicles is Education TIMOTHY HOELLER, DQR SERVICES thoeller01@gmail.com
2:10	Moderator: Ellen Lee, Ford Sherri Munroe, AMGTA Daniel Cooper, U. Michigan Fadi Abro, Stratasys	Use of Sustainable Filler in Plastics PAUL MERDA, ARDL paul_merda@ardl.com	Accelerating Plastics Parts Time to Market with Enhanced Automation in Moldex3D ANAND BORA, MOLDEX 3D anandbora@usmoldex3d.com
2:35		Sustainable Styrenic Solutions BRIAN HAGGART, INEOS STYROLUTION brian.haggart@ineos.com	Property Calibration of Fiber Composites for Improved Injection Molding Shape Prediction JEFF HIGGINS, AUTODESK jeff.higgins@autodesk.com
3:00	Break		
3:20	KEYNOTE: High Performance Thermoplastic Composites - Opportunities and Challenges SPEAKER: David Leach, ATC Manufacturing		
3:45		Polyamide 6 Recycling from Waste Fishing Net ROBERT KAMINSKY, ARKEMA robert.kaminsky@arkema.com	Accelerating Validation and Launch with 3D Printed Steel Tooling DANIEL MILLER, MANTLE daniel.miller@mantle3d.com
4:00 - 6:00	Evening Reception		

Department of Energy Breakout Session will be held May 14th from 1:45pm - 4:00pm.