




FOCUS AREAS ICON KEY

-  SCIENCE
-  INNOVATION
-  BIOBASED
-  SUSTAINABILITY
-  R & D
-  REGULATORY

8:00 AM	Conference Registration	Continental Breakfast (8:00 AM -9:00 AM)	
8:30 AM		Short Courses & Open Forums (8:30 AM - 12:00 PM)	
9:00 AM		Coatings "101": An Introduction  Ray Fernando, <i>Endowed Chair for Polymers & Coatings, CalPoly Department of Chemistry & Biochemistry</i>	Paint Film Defects – Assessing Problems & Aligning Solutions  Cliff Schoff, <i>Coatings Industry Consultant, Schoff Associates</i>
9:30AM			Smart & Multi-Functional Coatings: How They Are Conceived and Made  Jamil Baghdachi, <i>Professor, Eastern Michigan University, School of Engineering</i>
10:00 AM		Weathering and Service Life: Challenges for Innovation Erik Sapper, <i>Assistant Professor, CalPoly</i> Lipiin Sung <i>Physicist, NIST Polymeric Materials Group</i>	OPEN FORUMS (10:00 AM - 11:30 AM) R & D Management – Giving Projects the Go: From Fostering Ideas to Finding Funding James Kassner, <i>ACA Sr Technical Advisor</i>
10:30 AM			Special Challenges in R & D <i>Presented by ACA's Science & Technology Committee</i>
11:00 AM			
11:30 AM			
12:00 PM		Welcome and ACA Science & Technology Update	
12:30 PM		Lunch Keynote Address: David Bem, Vice President of Science & Technology and Chief Technology Officer, PPG	
1:00 PM			
1:30 PM		 Session 1: Advanced Analytics and Modeling Strategies (1:30 PM - 5:00 PM)	 Session 2: Novel Materials (1:30 PM - 5:00 PM)
		Intellectual Property Trend Analysis for Effective Product Development Michael Devon, <i>Dow Chemical Company</i>	Non-Leaching Antimicrobial Polymer Coatings Marshall Ming, <i>Georgia Southern University Department of Chemistry</i>
2:00 PM		Paint Color and Autonomous Vehicles: The Effect of Color on the Scattering of LiDAR Chris Seubert, <i>Ford</i>	Methylene Malonate-based Coating Solutions Aniruddha Palsule, <i>Sirrus</i>
2:30 PM		Utilizing Multiple Light Scattering for Passive and Quantitative Emulsion and Dispersion Stability Analysis Matt Vanden Eynden, <i>Formulation, Inc.</i>	Fluoro-Free Anti-Graffiti Properties from a Novel Organosilicone Steve Wilkoski, <i>Siltech Corporation</i>
3:00 PM		Break	
3:30 PM		Predictive Models of the Waterborne Acrylic Coating Degradation Under Multi-Factor Accelerated Weathering Test Donghui Li, <i>Case Western Reserve University</i>	Hydrophobically Modified Alkali-Soluble Emulsion (HASE) Associative Thickeners: A Structure-Properties Relationship Study Ali Javadi, <i>University of Akron</i>
4:00 PM		Data-Driven Recommendation Engines: Creating Evolutionary Approaches to Coating Formulation Discovery and Optimization Kelby Hull, <i>CalPoly</i>	Single Wall Carbon Nanotubes as a Superior Conductive Nikolai Ivanov, <i>OCSIA</i>
4:30 PM		Gamification of Coatings R & D Rolf Gueller, <i>Chemspeed Technologies</i>	Creating New Barriers with Graphene Adrian Potts, <i>Applied Graphene Materials plc</i>
5:00 PM			
5:30 PM		Welcome Reception & Student Poster Session	
6:00 PM			
6:30 PM			

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7:00 AM	Conference Registration	Continental Breakfast Sponsor: Alberdingk Boley, Inc.		
7:30 AM				
8:00 AM		Welcome and Award Presentations CoatingsTech Best Paper Award Best Student Paper Award Best Student Poster Award		
8:30AM		Mattiello Lecture: Jamil Baghdachi, Professor, Eastern Michigan University School of Engineering Technology Smart and Functional Polymers and Coatings		
9:00 AM		 Session 3: Smart and Multifunctional Coatings (9:00 AM - 12:30 PM)	 Session 4: Weathering and Service Life/PaintDefects (9:00 AM - 12:30 PM)	
		Development of Environmentally Friendly Water-based Coatings to Resist Water and Ice Sathish Kumar Ranganathan, <i>General Cable</i>	Evaluation of the ASTM D7869-13 Test Method to Predict the Gloss and Color Retention of Premium Architectural Finishes Kurt Wood, <i>Arkema</i>	
9:30 AM		Structure/Property Relationships of Coatings from Waterborne Polyolefin Dispersions Sean Tang, <i>Dow Chemical Company</i>	A Study of Factors Associated with the Cracking Failures of Automotive Hard Coatings in Weathering Jennifer David, <i>Momentive Performance Materials</i>	
10:00 AM		Superhydrophobic and Superoleophilic Nanostructured Coatings Rigoberto Advincola, <i>Case Western Reserve University</i>	Characterizing Stain Resistance, Stain Penetration and Stain Removal Using Confocal Raman Microscopy Wenjun Wu, <i>Arkema</i>	
10:30 AM		Break		
11:00 AM		The Science and Application of Liquid-Impregnated Surfaces for Slippery Coatings David Smith, <i>LiquiGlide</i>	Accelerated Weathering and Analysis for Non-Isocyanate Polyurethane Coatings Huang Wu, <i>Dow Chemical Company</i>	
11:30 AM		Polymer Development for Deck Restoration Products Dan Stark, <i>Arkema</i>	A Non-Invasive Method for Characterizing Surface Mechanical Property of Polymeric Coatings and Composites under Accelerating Weathering Lipin Sung, <i>NIST</i>	
12:00 PM		Lower Salt Concentration Leads to Faster Electrolyte Diffusion in Epoxy Coating Feipeng Yang, <i>University of Akron</i>	Increased Performance of Steel Anti-Corrosion Primers by Addition of Migratory Corrosion Inhibitors Robert Walde, <i>Surtreat Holding LLC</i>	
12:30 PM		Networking Lunch		
1:00 PM				
1:30 PM	 Session 5: Bio-based Solutions (1:30 PM - 5:00 PM)	 Session 6: Industrial Coatings (1:30 PM - 5:00 PM)	 Session 7: Product Stewardship (1:30 PM - 4:30 PM)	
	Bio Renewable, High Performance Polyols Matt Terwilligar, <i>Myriant Corporation</i>	Novel Isocyanate-Free Moisture-Curable Polymers for Single-Component Polysiloxane Topcoats Erick Iezzi, <i>U.S. Naval Research Lab</i>	Improving Indoor Air Quality Using a Photocatalytic Self-Cleaning Paint Additive Nicholas Day, <i>Diatomix</i>	
2:00 PM	AgriEster Emulsions in Coatings Tom Rauls, <i>New Century Coatings</i>	New Developments in Amine Free Water-based Polyurethane Dispersions Dave Folkman, <i>Alberdingk Boley</i>	Incorporating Product Safety, Stewardship, and Sustainable Thinking into Business Development Lisa Marie Nespoli, <i>Covestro LLC</i>	
2:30 PM	New Carbon Black Pigment from Renewable Feedstock Jennifer Granados, <i>Orion Engineered Carbons</i>	Low Viscosity Hydrogenated Styrenic Block Copolymers for Low VOC Coating Applications Bing Yang, <i>Kraton Polymers U.S. LLC</i>	High Performance Polycarbonate Coating Materials from Recycle Sources Gary Spilman, <i>Resinate Materials Group, Inc.</i>	
3:00 PM	Break (15 minutes)			
3:30 PM	Engineered Poly-Saccharides: New BioMaterial Platform in Coatings Applications Christian Lenges, <i>DuPont Industrial BioScience</i>	Low VOC Potential of Michael Addition Cured Coatings Michael Gessner, <i>Nuplex Resins</i>	A Circular Solution for Paint Packaging John Williams, <i>BT Inc.</i>	
4:00 PM	Sustainable Building Blocks for Cost Effective and/or Performance Driven UV/EB Curable Resins Jonathan Shaw, <i>Allnex</i>	Isocyanate Free Polyurethane Technology for Wood Coating Applications Approaches to Reducing VOC in Clear Coat Formulations Jeffrey Wexler, <i>Dow</i>	Coatings Materiality Tanis Marquette, <i>Hexion Inc.</i>	
4:30 PM	Total Special Fluids New Renewable Hydrocarbon Solvents: Innovative Solutions for Bio-based Paints & Coatings Didier Bedel, <i>TOTAL</i>	Robust Acrylic Polyol – Deciphering the Performance in 2K Polyurethane Coatings Guatam Haldankar, <i>Nuplex Resins</i>		
5:00 PM				
5:30 PM	Networking Reception (5:30 PM - 6:30 PM)			
6:00 PM				

