

## 34th WCS Technical Program Schedule



**Oct 20, 2019: Sunday at The Paris Hotel, Las Vegas, NV**

**Please note that Welcome Reception will be at Drai's Beachclub/Nightclub, Cromwell Hotel Rooftop**

*12:00pm - 6:00pm*

**Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)**

*6:00pm - 9:00pm*

**Welcome Reception (Location: Drai's Beachclub/Nightclub, Cromwell Hotel Rooftop, only 21 years old or above, included with registration)**

# 34th WCS Technical Program Schedule



**Oct 21, 2019: Monday at The Paris Hotel, Las Vegas, NV**

Speaker Ready Room: Registration Room A (from 7:30am - 4:30pm)

7:30am - 6:00pm	<b>Badge Pick-up &amp; Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)</b>									
8:00am - 9:30am	<b>Keynote Session: Keynote and Samson Adler Award Ceremony (Location: Champagne #3 &amp; #4)</b>									
9:30am - 9:40am	<b>Break</b>									
9:40am - 10:10am	<b>A</b>	<b>Champagne #3 &amp; #4</b>	<b>C</b>	<b>Champagne #2</b>	<b>E</b>	<b>Champagne #1</b>	<b>G</b>	<b>Versailles #1 &amp; #2</b>	<b>I</b>	<b>Versailles #3 &amp; #4</b>
		44 - Non-isocyanate crosslinking approaches for poly(vinylidene fluoride) topcoats, Arkema, Inc.		106 - Unique Cobalt-Free Catalyst for Improved Dry Times and Other Added Benefits in Oxidative Cured Systems, Borchers		23 - Robust Low-Shear Thickeners with Excellent Sag Resistance and Solvent Tolerance, The Dow Chemical Company		94 - Assessing Stain Resistance of Water-Based Paints Using New Multi-Disciplinary Approaches, Ashland		85 - Effect of Low VOC Coalescents on Film Formation, Dirt Pick-up Resistance and Surfactant Leaching of Waterborne Paints, Oxiteno Industria S.A.
10:15am - 10:45am		24 - Cool Coatings and Old Wood Coatings, Los Angeles Society for Coatings Technology		09 - Effect of Crosslinker Content on the Thermo-mechanical Properties of Polyester Coatings, Imperial College London (UK)		36 - Alternative Solutions for Matting Agents in Coating Applications, Omya, Inc.		116 - Design Considerations for the Selection, Use, and Formulation of a Polyurethane Coating Using Azelate-Based Polyester Polyols, Emery Oleochemicals LLC		122 - A new generation of nonionic emulsifiers for waxes and carbon black, Sasol Performance Chemicals
10:50am - 11:20am		80 - A Complexity-Based Approach to Designing New Coating Formulations, California Polytechnic State University, San Luis Obispo		62 - CLIQFLOW 690 - NON-IONIC ASSOCIATIVE THICKENER NOVEL CHEMISTRY LEADING TO EXCELLENT EFFICIENCY BOOST, CLIQ SwissTech (Deutschland) GmbH		125 - New Isocyanate for high performance polyurethane coatings, Vencorex		25 - High Efficiency and Broadly Compatible Low VOC Coalescent for Emulsion Coatings, BASF Corporation		46 - New polymeric dispersant for water-borne industrial coatings, Elementis Specialties
11:30am - 1:40pm	<b>Trade Show / Free Lunch included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)</b>									
1:45pm - 2:45pm	<b>Leadership Panel: "Mergers &amp; Acquisitions: Impact on You &amp; Our Industry" (Location: Champagne #3 &amp; #4)</b>									
2:50pm - 3:20pm	<b>B</b>	<b>Champagne #3 &amp; #4</b>	<b>D</b>	<b>Champagne #2</b>	<b>F</b>	<b>Champagne #1</b>	<b>H</b>	<b>Versailles #1 &amp; #2</b>	<b>J</b>	<b>Versailles #3 &amp; #4</b>
		43 - STATISTICAL COMPARISON OF VISUAL AND COLORIMETRIC ASSESSMENTS OF WEATHERING-INDUCED COLOR CHANGE FOR ARCHITECTURAL COATINGS, Q-Lab Corporation		70 - Lithium Carbonate Alternatives for fast curing Dry Mix Applications, IMCD Deutschland		13- High Performance Quinacridones and Phthalocyanines for Architectural Coatings, Sun Chemical Corporation		71 - Micro encapsulated corrosion inhibitors for improving the durability of industrial coatings, Ceramisphere PTY Ltd		119 - Emulsified UV Stabilizers and Their Applications, Chitce Technologies Co., Ltd.
3:25pm - 3:55pm		102 - VOCs – Are what we define and what we measure the same thing, California Polytechnic University		58 - Silicone Hybrid Resins for High Solids Topcoats, Evonik Corporation		63 - Paint it Green - Designing the Ultimate Dispersants for Environmentally Friendly Coatings, Lubrizol Advanced Materials, Inc.		32 - Advanced Waterbased Acrylic Technology for the Coatings Industry, Interpolymer Corporation		05 - Oxidizable Phenolic Urethanes – Bio-Based Resins, S.P. Morell and Company
4:00pm - 4:30pm		21 - Use of Enzymes in Dispersions and Coatings, BASF Corporation		103 - Low VOC Waterborne Epoxy Floor Coating Systems, Olin Corporation		93 - Balancing Performance in Interior Waterborne Coatings, Arkema Coating Resins		75 - Novel Waterborne Silicone Resin Emulsions for High Temperature Resistant Coatings, Dow		31 - Post Add Solutions to Enhance Color Strength and Acceptance with Additives, Borchers
4:35pm - 6:45pm	<b>Trade Show / Free Dinner included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)</b>									

## 34th WCS Technical Program Schedule



**Oct 22, 2019: Tuesday at The Paris Hotel, Las Vegas, NV**

Speaker Ready Room: Registration Room A (from 7:30am - 4:30pm)

	<b>Badge Pick-up &amp; Registration (Location: Across from Champagne I, Convention Center, Paris Hotel)</b>									
7:30am - 6:00pm										
8:30am - 9:30am	<b>Keynote Session: Keynote and Samson Adler Award Ceremony (Location: Champagne #3 &amp; #4)</b>									
9:30am - 9:40am	<b>Break</b>									
	<b>A</b>	<b>Champagne #3 &amp; #4</b>	<b>C</b>	<b>Champagne #2</b>	<b>E</b>	<b>Champagne #1</b>	<b>G</b>	<b>Versailles #1 &amp; #2</b>	<b>I</b>	<b>Versailles #3 &amp; #4</b>
9:40am - 10:10am		113 - Strategies to Overcome the Challenges of Commercializing New Coatings Chemistries under TSCA, UL Chemicals		59 - Dissecting Orange Peel: A Process Oriented Approach, Saint Clair Systems, Inc.		11- Novel Additive for Anti-Corrosive Cool Roof Applications, ICL Phosphate Specialty		45 - Engineered PolySaccharides: A Novel Biomaterial Additive for the Coatings Industry with Multifunctional Properties, Chemquest Technology Institute		01- National Specialty Chemical Distributors – A Formulator’s Best Friend, Palmer Holland Inc.
10:15am - 10:45am		41 - Next Generation of Tint Viscosity Stabilizers, BYK USA		61 - Effects of Coalescent Polarity on HEUR Interactions and Film Formation of Butyl Acrylate/Methyl Methacrylate and Butyl Acrylate/Styrene Latexes, California Polytechnic State University, San Luis Obispo, CA		109 - A History of Azo Pigments – Coloration of Paints, Clariant Plastics & Coatings USA, LLC		66 - Zero VOC Cashew nutshell liquid based waterborne curing agents for various applications in coatings and adhesives, Cardolite Corporation		34 - Paint corrosion protection moves to the next level!, allnexUSA
10:50am - 11:20am		124 - Novel additives towards leaching-free exterior wall paints, Clariant		65 - Polymer Innovations for Improved Performance in Low VOC Semigloss Neutral Base Trim Paints, Specialty Polymers		99 - How To Reduce Yellowing in Epoxy Systems, Univar Solutions		56 - Enhancing Performance of Waterborne Industrial Coatings Based on Functionalized Binders, Solvay USA Inc.		81 - Unconventional Gas: What has it Meant for the Coatings Industry? BYK USA Inc.
11:30am - 1:40pm	<b>Trade Show / Free Lunch included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)</b>									
1:45pm - 2:45pm	<b>Academic Research Presentations (Location: Champagne #3 &amp; #4)</b>									
	<b>B</b>	<b>Champagne #3 &amp; #4</b>	<b>D</b>	<b>Champagne #2</b>	<b>F</b>	<b>Champagne #1</b>	<b>H</b>	<b>Versailles #1 &amp; #2</b>	<b>J</b>	<b>Versailles #3 &amp; #4</b>
2:50pm - 3:20pm		123 - Expediting Product Development - The Science and Art of Timely Prioritizing, Resourcing, and Terminating Projects, Alexander Institute		84 - NOVEL EPOXY SYSTEMS FOR GREEN CONSTRUCTION, Hexion, Inc.		16 - A New High Color Carbon Black for Jet Coatings, Birla Carbon U.S.A.		51 - Transparent Omniphobic Coatings for Various Applications, Queen's University		27 - Eliminating Red Rust AND improving Customer satisfaction - UV coatings technology delivers strong ROI for pipe producers, Allied PhotoChemical, Inc.
3:25pm - 3:55pm		03 - It's Not Easy Being Green – how to formulate Green Label Paints Without Incurring Additional Cost, DKSH North America Inc.		33 - Aesthetic value in polyamide based polyurethane coatings, Lubrizol Advanced materials Inc.		76 - High Performance Acrylic Latex Technologies for Low VOC Concrete Sealers, Vinavil		60 -New W&D Additives for Water-borne Coatings – No more Pain with Rain and Stain, BYK-Chemie GmbH		54 - Increasing the Flexibility of Asphalt Emulsion Sealer with the Addition of Fibrillated HDPE Fiber, MiniFIBERS, Inc.
4:00pm - 4:30pm		10 - Saving Titanium Dioxide by improved Dispersion, y s t r a l g m b h		74 - New Slip Additives for Water and Solvent Based Systems, Munzing US		38 - Novel VOC-Free Solution for Effective Wetting and Dispersing of Challenging Pigments, Stepan Company		90 - Novel Polyol Dispersions with Pot-Life Indication, BASF Corp., USA		96 - What's so special about PTFE and are there any alternatives to protect coatings, Lubrizol Advanced Materials, Inc.
4:35pm - 6:45pm	<b>Trade Show / Free Dinner included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)</b>									

## 34th WCS Technical Program Schedule



**Oct 23, 2019: Wednesday at The Paris Hotel, Las Vegas, NV**

Speaker Ready Room: Registration Room A (from 7:30am - 4:30pm)

Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)										
Lunch										
Break: Open Bar for all WCS Registered Attendees (Location: Track Room Area)										
7:30am - 12:00pm										
9:00am - 9:30am	A	<b>Champagne #3 &amp; #4</b>	D	<b>Champagne #2</b>	G	<b>Champagne #1</b>	J	<b>Versailles #1 &amp; #2</b>	M	<b>Versailles #3 &amp; #4</b>
		48 - Recent Advances in Hydrophobically Modified Alkali Swellable Thickeners (HASE) for Waterbased Architectural Coatings, Elementis Specialties		67 - New Versatile Acid Catalysts for Reducing Cure Temperatures of Coil Coatings over a Variety of Substrates, King Industries, Inc.		82 - Bridging long pot life with fast cure at low temperature: From concept to development, Huntsman Advanced Materials		114 - Improve substrate wetting while improving flow and leveling from the bottom up - Without silicones, BYK USA Inc.		68 - Impact of Dispersant Technology on Dispersion Ease and Performance of Aluminum Effect Pigments, Ekhart
9:35am - 10:05am		64 - Cationic Stainblocking Primer Technology, Specialty Polymers, INC		35 - Acrylic elastomeric roof coatings - Improved mechanical properties and performance with microfibrillated cellulose, Boregaard		73 - New development in additives for waterborne/low VOC coatings, Munzing US		121 - Reactive diluents to overcome challenges in UV curable inkjet inks and coatings applications, BASF Corp., USA		50 - The Usage of Waterborne Copolymer Dispersions in Corrosion Resistant Applications, Michelman, INC
10:10am - 10:40am		89 - Next Generation of Coalescing Agents setting a higher standard: The advancement and performance advantages of new Bio-Based Zero VOC Coalescing Agent technology vs. conventional fugitive coalescence: How they work, factors to consider, and how they perform, ACS Technical Products		47 - Novel Urethane Associative Thickeners for Waterborne Coatings Based on Hydrophilic Binders, Elementis Specialties		15 - Manufacturing: Pumping Technologies that improve processes and lower operating costs, Graco Inc.		06 - Like a sheer caught in headlights: The formulation of waterborne polyurethane coating spray on PC, Apollo Coating Technologies		95 - New Multifunctional Additive Provides Harder Films, Reduced VOCs, Boosts Preservation, Emerald Kalama Chemical, LLC
10:45am - 11:15am		91 - The Impact of Polymer Structure on Performance of Additives for Easy-to-Clean Coatings, BYK USA Inc.		49 - Improvements to VAE Copolymer Capabilities in Architectural Coatings, Celanese		52 - Improved Adhesion to TPO and other Hard-to-Stick Surfaces with Waterborne Acrylic Resins, EPS		112 - Turn Your Color Into Profit & Productivity, Color Turners		118 - Compliant Low VOC Floor Coating Solutions in an Evolving Regulatory Environment, Covestro LLC
11:15am - 12:30pm										
12:35pm - 1:05pm	B	<b>Champagne #3 &amp; #4</b>	E	<b>Champagne #2</b>	H	<b>Champagne #1</b>	K	<b>Versailles #1 &amp; #2</b>	N	<b>Versailles #3 &amp; #4 (UV Track)</b>
		18 - The Evolution of Anti-Graffiti and Dry Erase Coatings, Wacker Chemical Corporation		107 - ADVANCES IN VIABILITY OF WATERBORNE DTM INDUSTRIAL COATINGS FOR VOC-FREE ASSET PROTECTION ENABLED BY NOVEL POLYMERIC & REACTIVE SURFACTANTS, Croda Inc.		14 - Unique additives to improve the weathering and surface properties of waterborne coatings, Clariant Plastics & Coatings USA, LLC		120 - Versatile Waterborne Acrylic for Architectural and Industrial Coatings, ALBERDINGK BOLEY, INC		72 - Next Generation, APEO-free surfactant solution for the Paint Can, Solvay
1:10pm - 1:40pm		04 - Improving Cool Colored Roof Coatings Durability and Maintaining High Solar Reflectance with Nepheline Syenite Fillers, SIBELCO		20 - A Novel Primer Coating for Heat Sealable Polyester Packaging Films, DuPont Teijin Films		88 - Why You Should Consider Soybean Oil for Tomorrows Coating, Omni Tech International, Ltd.		55 - High Solid waterborne polyamide based polyurethane coatings, Lubrizol Advanced materials Inc.		40 - Surface Soluble Salts Impact on Protective Coating Performance, Borchers, Chlorid
1:45pm - 2:15pm		19 - Tall Oil Fatty Acid - A sustainable solution for high quality waterborne and high solids alkyd binder paint systems, Kraton Chemical BV		37 - Unlocking Additional Benefits in Sustainability: Synergies of Biorenewable with Recycle Content for the Future of Performance Coatings, Resinate Materials Group		42 - Fine-tuning Coating Surface Control Through the Use of Modified Siloxanes, Evonik Corporation		79 - Quantifying and Interpreting Applied Hide of Two Synthetic Rheology Modifiers, Ashland		28 - Corrosion: Meeting Tomorrows Performance Needs with Graphene Nano-Platelets, Applied Graphene Materials Ltd
2:15pm - 2:35pm										
2:35pm - 3:05pm	C	<b>Champagne #3 &amp; #4</b>	F	<b>Champagne #2</b>	I	<b>Champagne #1</b>	L	<b>Versailles #1 &amp; #2</b>	O	<b>Versailles #3 &amp; #4</b>
		77 - Big Box Stores - Head to Head in Premium Paints, 1st Source Research		130 - Turning Digital to Dollars in the Coatings Industry, Alchemy		105 - Surviving the Organic Yellow Pigment Shortage, Chromaflo		22 - Where do Easy Dispersible Powder Pigment Preparations fit into the Coatings Industry and how to use them?, Pan Technology, Inc.		78 - Binder/Formulation Interactions in High Performance Waterborne Low VOC Direct-to-Metal Coatings, EPS
3:10pm - 3:40pm		53 - The Never-Ending Internal Struggle - Do I Disclose My Formulation And Attempt To Obtain A Patent Or Maintain The Formulation As A Trade Secret, Howard & Howard Attorneys PLLC		57 - Optimized Processing to Reduce Crystalline Silica in Ground Calcium Carbonate, Imerys Performance Minerals		104 - Architectural Colorants: Universal vs Water Only and What's Next, Chromaflo		17 - Development of High Performance Encapsulation Technologies - Key Considerations for Delivery in Dry Film Coatings, Lonz, Inc.		117 - Optimum TiO2 particle size by combining regular dispersing agents and alkanolamines, ANGUS Chemical Company
3:45pm - 4:15pm		101 - Spectroscopic Analysis of Waterborne Architectural Coatings For Improved Weathering, EPS		140 - Choosing the right pigments for architectural coatings, Behr Paint		39 - Copper-containing glass powder additive for antimicrobial coatings, Corning Incorporated		83 - Hyperbranched Polyester Polyol Technology for 2K Polyurethane Coatings, BASF Corporation		30 - Formulating for solvent versus waterborne coatings, Patcham Ltd

**34th WCS Technical Program Schedule: by Company & Presentation Date**

<b>Data Sort for Column B</b>	<b>Presentation Title</b>	<b>Company</b>	<b>Speaker</b>	<b>Presentation Date</b>	<b>Presentation Time Slot</b>
1	01- National Specialty Chemical Distributors – A Formulator’s Best Friend	Palmer Holland Inc.	Rich Najdusak	Tuesday 10/22	<b>9:40am - 10:10am</b>
3	03 - It’s Not Easy Being Green – how to formulate Green Label Paints Without Incurring Additional Cost	DKSH North America Inc.	My (Mae) Tran / Lance Croft	Tuesday 10/22	<b>3:25pm - 3:55pm</b>
4	04 - Improving Cool Colored Roof Coatings Durability and Maintaining High Solar Reflectance with Nepheline Syenite Fillers	SIBELCO	Charles Edwards	Wednesday 10/23	<b>1:10pm - 1:40pm</b>
5	05 - Oxidizable Phenolic Urethanes – Bio-Based Resins	S.P. Morell and Company	Sam Morell	Monday 10/21	<b>3:25pm - 3:55pm</b>
6	06 - Like a sheer caught in headlights: The formulation of waterborne polyurethane coating spray on PC	Apollo Coating Technologies	I-Hsiung Wang	Wednesday 10/23	<b>10:10am - 10:40am</b>
9	09 - Effect of Crosslinker Content on the Thermo-mechanical Properties of Polyester Coatings	Imperial College London (UK)	Fabian S. Sorce	Monday 10/21	<b>10:15am - 10:45am</b>
10	10 - Saving Titanium Dioxide by improved Dispersion	y s t r a l g m b h	Dr. Hans-Joachim Jacob	Tuesday 10/22	<b>4:00pm - 4:30pm</b>
11	11- Novel Additive for Anti-Corrosive Cool Roof Applications	ICL Phosphate Specialty	Michelle Bauer	Tuesday 10/22	<b>9:40am - 10:10am</b>
13	13- High Performance Quinacridones and Phthalocyanines for Architectural Coatings	Sun Chemical Corporation	Nilanjan Chakrabarti, Ph.D.	Monday 10/21	<b>2:50pm - 3:20pm</b>

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14	14 - Unique additives to improve the weathering and surface properties of waterborne coatings	Clariant Plastics & Coatings USA, LLC	Mouhcine Kanouni, PhD	Wednesday 10/23	<i>12:35pm - 1:05pm</i>
15	15 - Manufacturing: Pumping Technologies that improve processes and lower operating costs	Graco Inc.	Larry Cozzo	Wednesday 10/23	<i>10:10am - 10:40am</i>
16	16 - A New High Color Carbon Black for Jet Coatings	Birla Carbon U.S.A.	Robert Fisher	Tuesday 10/22	<i>2:50pm - 3:20pm</i>
17	17 - Development of High Performance Encapsulation Technologies – Key Considerations for Delivery in Dry Film Coatings	Lonza, Inc	Dr. Kevin E. Janak	Wednesday 10/23	<i>3:10pm - 3:40pm</i>
18	18 - The Evolution of Anti-Graffiti and Dry Erase Coatings	Wacker Chemical Corporation	Victoria Eshoo	Wednesday 10/23	<i>12:35pm - 1:05pm</i>
19	19 - Tall Oil Fatty Acid – A sustainable solution for high quality waterborne and high solids alkyd binder paint systems	Kraton Chemical BV	Patrick Van Waes	Wednesday 10/23	<i>1:45pm - 2:15pm</i>
20	20 - A Novel Primer Coating for Heat Sealable Polyester Packaging Films	DuPont Teijin Films	Shengsheng Liu, Ph.D.	Wednesday 10/23	<i>1:10pm - 1:40pm</i>
21	21 - Use of Enzymes in Dispersions and Coatings	BASF Corporation	Michael Kraye	Monday 10/21	<i>4:00pm - 4:30pm</i>
22	22 - Where do Easy Dispersible Powder Pigment Preparations fit into the Coatings Industry and how to use them?	Pan Technology, Inc.	David White	Wednesday 10/23	<i>2:35pm - 3:05pm</i>

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<b>Data Sort for Column B</b>	<b>Presentation Title</b>	<b>Company</b>	<b>Speaker</b>	<b>Presentation Date</b>	<b>Presentation Time Slot</b>
23	23 - Robust Low-Shear Thickeners with Excellent Sag Resistance and Solvent Tolerance	The Dow Chemical Company	Dr. Wenqin (Sunny) Wang	Monday 10/21	<b>9:40am - 10:10am</b>
24	24 - Cool Coatings and Old Wood Coatings	Los Angeles Society for Coatings Technology	Arthur Lorenz / Joe Reilly	Monday 10/21	<b>10:15am - 10:45am</b>
25	25 - High Efficiency and Broadly Compatible Low VOC Coalescent for Emulsion Coatings	BASF Corporation	John Mangano	Monday 10/21	<b>10:50am - 11:20am</b>
27	27 - Eliminating Red Rust AND improving Customer satisfaction - UV coatings technology delivers strong ROI for pipe producers.	Allied PhotoChemical, Inc.	Colin Harris	Tuesday 10/22	<b>2:50pm - 3:20pm</b>
28	28 - Corrosion: Meeting Tomorrows Performance Needs with Graphene Nano-Platelets	Applied Graphene Materials Ltd	John Willhite	Wednesday 10/23	<b>1:45pm - 2:15pm</b>
30	30 - Formulating for solvent versus waterborne coatings	Patcham Ltd	John Du	Wednesday 10/23	<b>3:45pm - 4:15pm</b>
31	31 - Post Add Solutions to Enhance Color Strength and Acceptance with Additives	Borchers	Allison Abbey	Monday 10/21	<b>4:00pm - 4:30pm</b>
32	32 - Advanced Waterbased Acrylic Technology for the Coatings Industry	Interpolymer Corporation	Dana Charron	Monday 10/21	<b>3:25pm - 3:55pm</b>
33	33 - Aesthetic value in polyamide based polyurethane coatings	Lubrizol Advanced materials Inc	Chris Swech	Tuesday 10/22	<b>3:25pm - 3:55pm</b>

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<b>Data Sort for Column B</b>	<b>Presentation Title</b>	<b>Company</b>	<b>Speaker</b>	<b>Presentation Date</b>	<b>Presentation Time Slot</b>
34	34 - Paint corrosion protection moves to the next level!	allnexUSA	Morris Bingham	Tuesday 10/22	<i>10:15am - 10:45am</i>
35	35 - Acrylic elastomeric roof coatings - Improved mechanical properties and performance with microfibrillated cellulose	Borregaard	Otto Soidinsalo, PhD	Wednesday 10/23	<i>9:35am - 10:05am</i>
36	36 - Alternative Solutions for Matting Agents in Coating Applications	Omya, Inc.	Kshitij Parab	Monday 10/21	<i>10:15am - 10:45am</i>
37	37 - Unlocking Additional Benefits in Sustainability: Synergies of Biorenewable with Recycle Content for the Future of Performance Coatings	Resinate Materials Group	Gary Spilman, Ph.D	Wednesday 10/23	<i>1:45pm - 2:15pm</i>
38	38 - Novel VOC-Free Solution for Effective Wetting and Dispersing of Challenging Pigments	Stepan Company	Carolina Rojas	Tuesday 10/22	<i>4:00pm - 4:30pm</i>
39	39 - Copper-containing glass powder additive for antimicrobial coatings	Corning Incorporated	Dr. Joydeep Lahiri	Wednesday 10/23	<i>3:45pm - 4:15pm</i>
40	40 - Surface Soluble Salts Impact on Protective Coating Performance	Borchers, ChlorRid	Andrew Recker	Wednesday 10/23	<i>1:10pm - 1:40pm</i>
41	41 - Next Generation of Tint Viscosity Stabilizers	BYK USA	Martin Kays	Tuesday 10/22	<i>10:15am - 10:45am</i>
42	42 - Fine-tuning Coating Surface Control Through the Use of Modified Siloxanes	Evonik Corporation	Michael Peck	Wednesday 10/23	<i>1:45pm - 2:15pm</i>



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43	43 - STATISTICAL COMPARISON OF VISUAL AND COLORIMETRIC ASSESSMENTS OF WEATHERING-INDUCED COLOR CHANGE FOR ARCHITECTURAL COATINGS	Q-Lab Corporation	David Duecker	Monday 10/21	<i>2:50pm - 3:20pm</i>
44	44 - Non-isocyanate crosslinking approaches for poly(vinylidene fluoride) topcoats	Arkema, Inc.	Kurt Wood	Monday 10/21	<b>9:40am - 10:10am</b>
45	45 - Engineered PolySaccharides: A Novel Biomaterial Additive for the Coatings Industry with Multifunctional Properties	Chemquest Technology Institute	Stephen Raper	Tuesday 10/22	<b>9:40am - 10:10am</b>
46	46 - New polymeric dispersant for water-borne industrial coatings	Elementis Specialties	Mihai Polverejan	Monday 10/21	<i>10:50am - 11:20am</i>
47	47 - Novel Urethane Associative Thickeners for Waterborne Coatings Based on Hydrophilic Binders	Elementis Specialties	Chitra Jeurkar	Wednesday 10/23	<i>10:10am - 10:40am</i>
48	48 - Recent Advances in Hydrophobically Modified Alkali Swellable Thickeners (HASE) for Waterbased Architectural Coatings	Elementis Specialties	Brough Richey	Wednesday 10/23	<i>9:00am - 9:30am</i>
49	49 - Improvements to VAE Copolymer Capabilities in Architectural Coatings	Celanese	James Martin	Wednesday 10/23	<i>10:45am - 11:15am</i>
50	50 - The Usage of Waterborne Copolymer Dispersions in Corrosion Resistant Applications	Michelman, Inc	Scott Smallwood	Wednesday 10/23	<i>9:35am - 10:05am</i>
51	51 - Transparent Omniphobic Coatings for Various Applications	Queen's University	Prof. Guojun Liu	Tuesday 10/22	<i>2:50pm - 3:20pm</i>

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52	52 - Improved Adhesion to TPO and other Hard-to-Stick Surfaces with Waterborne Acrylic Resins	EPS	Robert Sandoval	Wednesday 10/23	<i>10:45am - 11:15am</i>
53	53 - The Never-Ending Internal Struggle – Do I Disclose My Formulation And Attempt To Obtain A Patent Or Maintain The Formulation As A Trade Secret	Howard & Howard Attorneys PLLC	Daniel Chojnowski	Wednesday 10/23	<i>3:10pm - 3:40pm</i>
54	54 - Increasing the Flexibility of Asphalt Emulsion Sealer with the Addition of Fibrillated HDPE Fiber	MiniFIBERS, Inc.	Bruce A. Prezzavento, PhD	Tuesday 10/22	<i>3:25pm - 3:55pm</i>
55	55 - High Solid waterborne polyamide based polyurethane coatings	Lubrizol Advanced materials Inc	Amanda Dechant	Wednesday 10/23	<i>1:10pm - 1:40pm</i>
56	56 - Enhancing Performance of Waterborne Industrial Coatings Based on Functionalized Binders	Solvay USA Inc.	Lichang Zhou	Tuesday 10/22	<i>10:50am - 11:20am</i>
57	57 - Optimized Processing to Reduce Crystalline Silica in Ground Calcium Carbonate	Imerys Performance Minerals	Chad Fiedler	Wednesday 10/23	<i>3:10pm - 3:40pm</i>
58	58 - Silicone Hybrid Resins for High Solids Topcoats	Evonik Corporation	Maria Nargiello	Monday 10/21	<i>3:25pm - 3:55pm</i>
59	59 - Dissecting Orange Peel: A Process Oriented Approach	Saint Clair Systems, Inc.	Mike Bonner	Tuesday 10/22	<b>9:40am - 10:10am</b>
60	60 -New W&D Additives for Water-borne Coatings – No more Pain with Rain and Stain	BYK-Chemie GmbH	Dr. Horst M. Sulzbach	Tuesday 10/22	<i>3:25pm - 3:55pm</i>

**34th WCS Technical Program Schedule: by Company & Presentation Date**

<b>Data Sort for Column B</b>	<b>Presentation Title</b>	<b>Company</b>	<b>Speaker</b>	<b>Presentation Date</b>	<b>Presentation Time Slot</b>
61	61 - Effects of Coalescent Polarity on HEUR Interactions and Film Formation of Butyl Acrylate/Methyl Methacrylate and Butyl Acrylate/Styrene Latexes	California Polytechnic State University, San Luis Obispo, CA	Dr. Ray Fernando	Tuesday 10/22	<i>10:15am - 10:45am</i>
62	62 - CLiQFLOW 690 - NON-IONIC ASSOCIATIVE THICKENER NOVEL CHEMISTRY LEADING TO EXCELLENT EFFICIENCY BOOST	CLiQ SwissTech (Deutschland) GmbH	Dietmar Sondermann	Monday 10/21	<i>10:50am - 11:20am</i>
63	63 - Paint it Green - Designing the Ultimate Dispersants for Environmentally Friendly Coatings	Lubrizol Advanced Materials, Inc.	Dennis Butcher	Monday 10/21	<i>3:25pm - 3:55pm</i>
64	64 - Cationic Stainblocking Primer Technology	Specialty Polymers, Inc	Gregory Monaghan	Wednesday 10/23	<i>9:35am - 10:05am</i>
65	65 - Polymer Innovations for Improved Performance in Low VOC Semigloss Neutral Base Trim Paints	Specialty Polymers, Inc	Gregory Monaghan	Tuesday 10/22	<i>10:50am - 11:20am</i>
66	66 - Zero VOC Cashew nutshell liquid based waterborne curing agents for various applications in coatings and adhesives	Cardolite Corporation	Yun Mi Kim	Tuesday 10/22	<i>10:15am - 10:45am</i>
67	67 - New Versatile Acid Catalysts for Reducing Cure Temperatures of Coil Coatings over a Variety of Substrates	King Industries, Inc.	Morgan Alexander	Wednesday 10/23	<i>9:00am - 9:30am</i>
68	68 - Impact of Dispersant Technology on Dispersion Ease and Performance of Aluminum Effect Pigments	ECKART America	Jon Lawniczak	Wednesday 10/23	<i>9:00am - 9:30am</i>
70	70 - Lithium Carbonate Alternatives for fast curing Dry Mix Applications	IMCD Deutschland GmbH & Co KG	Ayaz Khan	Monday 10/21	<i>2:50pm - 3:20pm</i>

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71	71 - Micro encapsulated corrosion inhibitors for improving the durability of industrial coatings	Ceramisphere PTY Ltd	Dr Andy Noble-Judge	Monday 10/21	<i>2:50pm - 3:20pm</i>
72	72 - Next Generation, APEO-free surfactant solution for the Paint Can	Solvay	Linda Adamson	Wednesday 10/23	<i>12:35pm - 1:05pm</i>
73	73 - New development in additives for waterborne/low VOC coatings	Munzing US	Royce Mathews	Wednesday 10/23	<i>9:35am - 10:05am</i>
74	74 - New Slip Additives for Water and Solvent Based Systems	Munzing US	Kajal Parekh	Tuesday 10/22	<i>4:00pm - 4:30pm</i>
75	75 - Novel Waterborne Silicone Resin Emulsions for High Temperature Resistant Coatings	Dow	Jenafer Jensen	Monday 10/21	<i>4:00pm - 4:30pm</i>
76	76 - High Performance Acrylic Latex Technologies for Low VOC Concrete Sealers	Vinavil	Neal Rogers	Tuesday 10/22	<i>3:25pm - 3:55pm</i>
77	77 - Big Box Stores – Head to Head in Premium Paints	1st Source Research, Inc	Dr. Gerald Vandezande	Wednesday 10/23	<i>2:35pm - 3:05pm</i>
78	78 - Binder/Formulation Interactions in High Performance Waterborne Low VOC Direct-to-Metal Coatings	EPS	Chris LeFever	Wednesday 10/23	<i>2:35pm - 3:05pm</i>
79	79 - Quantifying and Interpreting Applied Hide of Two Synthetic Rheology Modifiers	Ashland	Joseph Ambrosi	Wednesday 10/23	<i>1:45pm - 2:15pm</i>
80	80 - A Complexity-Based Approach to Designing New Coating Formulations	California Polytechnic State University, San Luis Obispo	Dr. Erik Sapper	Monday 10/21	<i>10:50am - 11:20am</i>

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81	81 - Unconventional Gas: What has it Meant for the Coatings Industry?	BYK USA Inc.	Chris Cornetto	Tuesday 10/22	<i>10:50am - 11:20am</i>
82	82 - Bridging long pot life with fast cure at low temperature: From concept to development	Huntsman Advanced Materials	Yong Zhang	Wednesday 10/23	<i>9:00am - 9:30am</i>
83	83 - Hyperbranched Polyester Polyol Technology for 2K Polyurethane Coatings	BASF Corporation	Chuck Jones, Ph.D.	Wednesday 10/23	<i>3:45pm - 4:15pm</i>
84	84 - NOVEL EPOXY SYSTEMS FOR GREEN CONSTRUCTION	Hexion, Inc.	DANIEL HORVATH	Tuesday 10/22	<i>2:50pm - 3:20pm</i>
85	85 - Effect of Low VOC Coalescents on Film Formation, Dirt Pick-up Resistance and Surfactant Leaching of Waterborne Paints	Oxiteno Indústria S.A.	Silmar B. Barrios	Monday 10/21	<i>9:40am - 10:10am</i>
88	88 - Why You Should Consider Soybean Oil for Tomorrows Coating	Omni Tech International, Ltd.	Lee Walko	Wednesday 10/23	<i>1:10pm - 1:40pm</i>
89	89 - Next Generation of Coalescing Agents setting a higher standard: The advancement and performance advantages of new Bio-Based Zero VOC Coalescing Agent technology vs. conventional fugitive coalescence: How they work, factors to consider, and how they perform.	ACS Technical Products	Bill Leightner	Wednesday 10/23	<i>10:10am - 10:40am</i>
90	90 - Novel Polyol Dispersions with Pot-Life Indication	BASF Corp., USA	Dr. Tony Neely	Tuesday 10/22	<i>4:00pm - 4:30pm</i>
91	91 - The Impact of Polymer Structure on Performance of Additives for Easy-to-Clean Coatings	BYK USA Inc	Kevin R. Lassila, Ph.D.	Wednesday 10/23	<i>10:45am - 11:15am</i>

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93	93 - Balancing Performance in Interior Waterborne Coatings	Arkema Coating Resins	Jeremy L. Grove, Ph.D	Monday 10/21	<i>4:00pm - 4:30pm</i>
94	94 - Assessing Stain Resistance of Water-Based Paints Using New Multi-Disciplinary Approaches	Ashland	Zeena Cherian	Monday 10/21	<b>9:40am - 10:10am</b>
95	95 - New Multifunctional Additive Provides Harder Films, Reduced VOCs, Boosts Preservation	Emerald Kalama Chemical, LLC	Dr. Stephen Foster	Wednesday 10/23	<i>10:10am - 10:40am</i>
96	96 - What's so special about PTFE and are there any alternatives to protect coatings	Lubrizol Advanced Materials, Inc.	Jonathan Bird	Tuesday 10/22	<i>4:00pm - 4:30pm</i>
99	99 - How To Reduce Yellowing in Epoxy Systems	Univar Solutions	Paul Lewis	Tuesday 10/22	<b>10:50am - 11:20am</b>
101	101 - Spectroscopic Analysis of Waterborne Architectural Coatings For Improved Weathering	EPS	Karl Booth	Wednesday 10/23	<i>3:45pm - 4:15pm</i>
102	102 - VOCs – Are what we define and what we measure the same thing	California Polytechnic State University	Dr. Dane R. Jones	Monday 10/21	<i>3:25pm - 3:55pm</i>
103	103 - Low VOC Waterborne Epoxy Floor Coating Systems	Olin Corporation	Wells Carter	Monday 10/21	<i>4:00pm - 4:30pm</i>
104	104 - Architectural Colorants: Universal vs Water Only and What's Next	Chromaflo Technologies	Jerry Powers	Wednesday 10/23	<i>3:10pm - 3:40pm</i>

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105	105 - Surviving the Pigment Yellow Shortage	Chromaflo Technologies	Jerry Powers	Wednesday 10/23	<i>2:35pm - 3:05pm</i>
106	106 - Unique Cobalt-Free Catalyst for Improved Dry Times and Other Added Benefits in Oxidative Cured Systems	Borchers	Kellie Salerno	Monday 10/21	<b>9:40am - 10:10am</b>
107	107 - ADVANCES IN VIABILITY OF WATERBORNE DTM INDUSTRIAL COATINGS FOR VOC-FREE ASSET PROTECTION ENABLED BY NOVEL POLYMERIC & REACTIVE SURFACTANTS	Croda Inc.	Nathan Noyes	Wednesday 10/23	<i>12:35pm - 1:05pm</i>
109	109 - A History of Azo Pigments – Coloration of Paints	Clariant Plastics & Coatings USA, LLC	Romesh Kumar	Tuesday 10/22	<i>10:15am - 10:45am</i>
112	112 - Turn Your Color Into Profit & Productivity	Color Turners	Denise Turner	Wednesday 10/23	<i>10:45am - 11:15am</i>
113	113 - Strategies to Overcome the Challenges of Commercializing New Coatings Chemistries under TSCA	UL Chemicals	Stacie Abraham	Tuesday 10/22	<b>9:40am - 10:10am</b>
114	114 - Improve substrate wetting while improving flow and leveling from the bottom up - Without silicones	BYK USA Inc.	Brent Laurenti	Wednesday 10/23	<i>9:00am - 9:30am</i>
116	116 - Design Considerations for the Selection, Use, and Formulation of a Polyurethane Coating Using Azelate-Based Polyester Polyols	Emery Oleochemicals LLC	Eric Geiger	Monday 10/21	<i>10:15am - 10:45am</i>
117	117 - Optimum TiO <sub>2</sub> particle size by combining regular dispersing agents and alkanolamines	ANGUS Chemical Company	Dr. Romain Severac	Wednesday 10/23	<i>3:10pm - 3:40pm</i>

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118	118 - Compliant Low VOC Floor Coating Solutions in an Evolving Regulatory Environment	Covestro LLC	Todd Williams, Ph.D.	Wednesday 10/23	<i>10:45am - 11:15am</i>
119	119 - Emulsified UV Stabilizers and Their Applications	Chitec Technologies Co., Ltd.	James B. Gacek	Monday 10/21	<i>2:50pm - 3:20pm</i>
120	120 - Versatile Waterborne Acrylic for Architectural and Industrial Coatings	ALBERDINGK BOLEY, INC	Ivan Tyre	Wednesday 10/23	<i>12:35pm - 1:05pm</i>
121	121 - Reactive diluents to overcome challenges in UV curable inkjet inks and coatings applications	BASF Corp., USA	Dr. Nikolas Kaprinidis	Wednesday 10/23	<i>9:35am - 10:05am</i>
122	122 - A new generation of nonionic emulsifiers for waxes and carbon black	Sasol Performance Chemicals	Ullie (Ulrike) Fischer	Monday 10/21	<i>10:15am - 10:45am</i>
123	123 - Expediting Product Development - The Science and Art of Timely Prioritizing,Resourcing,and Terminating Projects	Alexander Institute	Cyriac Alexander	Tuesday 10/22	<i>2:50pm - 3:20pm</i>
124	124 - Novel additives towards leaching-free exterior wall paints	Clariant	Jörg Rüger / Mark Coward	Tuesday 10/22	<i>10:50am - 11:20am</i>
125	125 - New Isocyanate for high performance polyurethane coatings	Vencorex France	Rolf Klucker	Monday 10/21	<b>10:50am - 11:20am</b>
130	130 - Turning Digital to Dollars in the Coatings Industry	Alchemy	Sasha Novakovich	Wednesday 10/23	<i>2:50pm - 3:20pm</i>
140	140 - Choosing the right pigments for architectural coatings	Behr Paint	Kevin Egan	Wednesday 10/23	<i>3:45pm - 4:15pm</i>