



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	<u>Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)</u>						
6:00pm - 9:00pm	<u>Welcome Reception (Location: Drai's Beachclub/Nightclub, Cromwell Hotel Rooftop, only 21 years old or above, included with registration)</u>						

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	Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)									
8:00am - 9:30am	Keynote Session: Keynote and Samson Adler Award Ceremony (Location: Champagne #3 & #4)									
9:30am - 9:40am	Break									
	A	Champagne #3 & #4	C	Champagne #2	E	Champagne #1	G	Versailles #1 & #2	I	Versailles #3 & #4
9:40am - 10:10am		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 Indústria 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		TBD		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	Trade Show / Free Lunch included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)									
1:45pm - 2:45pm	Leadership Panel: "Mergers & Acquisitions: Impact on You & Our Industry" (Location: Champagne #3 & #4)									
	B	Champagne #3 & #4	D	Champagne #2	F	Champagne #1	H	Versailles #1 & #2	J	Versailles #3 & #4
2:50pm - 3:20pm		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, Chitec 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 Room Temperature Curable 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	Trade Show / Free Dinner included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)									

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)

7:30am - 6:00pm	Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)									
8:30am - 9:30am	Keynote Session: Keynote and Samson Adler Award Ceremony (Location: Champagne #3 & #4)									
9:30am - 9:40am	Break									
	A	Champagne #3 & #4	C	Champagne #2	E	Champagne #1	G	Versailles #1 & #2	I	Versailles #3 & #4
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		69 - Smart and Multifunctional Materials and Coatings, Eastern Michigan University		03 - It's Not Easy Being Green – how to formulate Green Label Paints Without Incurring Additional Cost, DKSH North America Inc.		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	Trade Show / Free Lunch included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)									
1:45pm - 2:45pm	Academic Research Presentations (Location: Champagne #3 & #4)									
	B	Champagne #3 & #4	D	Champagne #2	F	Champagne #1	H	Versailles #1 & #2	J	Versailles #3 & #4
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		29 - READ HIDDEN EMOTIONS - The Science Behind a New Skill, Read Emotions		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	Trade Show / Free Dinner included with Registration (Location: Concorde and Rivoli Ballrooms, Convention Centre, Paris Hotel)									

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)										
7:30am - 12:00pm Badge Pick-up & Registration (Location: Across from Champagne 1, Convention Center, Paris Hotel)										
	A	Champagne #3 & #4	D	Champagne #2	G	Champagne #1	J	Versailles #1 & #2	M	Versailles #3 & #4
9:00am - 9:30am		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 - Break the Tension - Improving Substrate Wetting and Flow Performance in Waterborne Coatings, 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, Borregaard		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		110 - Direct Contactless Microfabrication for Application of Drag Reducing Riblets on Aerospace Vehicles utilizing UV Curable Allophanate Structures, Dvorchak Enterprises LLC		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 Lunch										
	B	Champagne #3 & #4	E	Champagne #2	H	Champagne #1	K	Versailles #1 & #2	N	Versailles #3 & #4 (UV Track)
12:35pm - 1:05pm		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 Break: Open Bar for all WCS Registered Attendees (Location:Track Room Area)										
	C	Champagne #3 & #4	F	Champagne #2	I	Champagne #1	L	Versailles #1 & #2	O	Versailles #3 & #4
2:35pm - 3:05pm		77 - Big Box Stores – Head to Head in Premium Paints, 1st Source Research		108 - Evolving Karl Fischer Titration Methods in a Dynamic Range of Coatings Materials, Quevon, Inc.		99 - How To Reduce Yellowing in Epoxy Systems, Univar Solutions		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, Lonza, 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		47 - Novel Urethane Associative Thickeners for Waterborne Coatings Based on Hydrophilic Binders, Elementis Specialties		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
4:15pm-4:45pm Post-Presentation and Networking Celebration: Open Bar for all WCS Registered Attendees (Location:Track Room Area)										

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



Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
77	77 - Big Box Stores – Head to Head in Premium Paints	1st Source Research, Inc	Dr. Gerald Vandezande	Wednesday 10/23	2:35pm - 3:05pm
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.	ACS Technical Products	Bill Leightner	Wednesday 10/23	10:10am - 10:40am
120	120 - Versatile Waterborne Acrylic for Architectural and Industrial Coatings	ALBERDINGK BOLEY, INC	Ivan Tyre	Wednesday 10/23	12:35pm - 1:05pm
123	123 - Expediting Product Development - The Science and Art of Timely Prioritizing,Resourcing,and Terminating Projects	Alexander Institute	Cyriac Alexander	Tuesday 10/22	2:50pm - 3:20pm
27	27 - Eliminating Red Rust AND improving Customer satisfaction - UV coatings technology delivers strong ROI for pipe producers.	Allied PhotoChemical, Inc.	Michael P. Kelly	Tuesday 10/22	2:50pm - 3:20pm
34	34 - Paint corrosion protection moves to the next level!	allnexUSA	Morris Bingham	Tuesday 10/22	10:15am - 10:45am
117	117 - Optimum TiO2 particle size by combining regular dispersing agents and alkanolamines	ANGUS Chemical Company	Dr. Romain Severac	Wednesday 10/23	3:10pm - 3:40pm
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	10:10am - 10:40am
28	28 - Corrosion: Meeting Tomorrows Performance Needs with Graphene Nano-Platelets	Applied Graphene Materials Ltd	Andy Gent	Wednesday 10/23	1:45pm - 2:15pm
93	93 - Balancing Performance in Interior Waterborne Coatings	Arkema Coating Resins	Jeremy L. Grove, Ph.D	Monday 10/21	4:00pm - 4:30pm
44	44 - Non-isocyanate crosslinking approaches for poly(vinylidene fluoride) topcoats	Arkema, Inc.	Kurt Wood	Monday 10/21	9:40am - 10:10am
79	79 - Quantifying and Interpreting Applied Hide of Two Synthetic Rheology Modifiers	Ashland	Joseph Ambrosi	Wednesday 10/23	1:45pm - 2:15pm
94	94 - Assessing Stain Resistance of Water-Based Paints Using New Multi-Disciplinary Approaches	Ashland	Zeena Cherian	Monday 10/21	9:40am - 10:10am

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Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
90	90 - Novel Polyol Dispersions with Pot-Life Indication	BASF Corp., USA	Dr. Tony Neely	Tuesday 10/22	4:00pm - 4:30pm
121	121 - Reactive diluents to overcome challenges in UV curable inkjet inks and coatings applications	BASF Corp., USA	Dr. Nikolas Kaprinidis	Wednesday 10/23	9:35am - 10:05am
21	21 - Use of Enzymes in Dispersions and Coatings	BASF Corporation	Michael Kraye	Monday 10/21	4:00pm - 4:30pm
25	25 - High Efficiency and Broadly Compatible Low VOC Coalescent for Emulsion Coatings	BASF Corporation	John Mangano	Monday 10/21	10:50am - 11:20am
83	83 - Hyperbranched Polyester Polyol Technology for 2K Polyurethane Coatings	BASF Corporation	Chuck Jones, Ph.D.	Wednesday 10/23	3:45pm - 4:15pm
16	16 - A New High Color Carbon Black for Jet Coatings	Birla Carbon U.S.A.	Dr. Natalie K. Harris (Changed to Robert Fisher)	Tuesday 10/22	2:50pm - 3:20pm
31	31 - Post Add Solutions to Enhance Color Strength and Acceptance with Additives	Borchers	Loulou Rozek	Monday 10/21	4:00pm - 4:30pm
106	106 - Unique Cobalt-Free Catalyst for Improved Dry Times and Other Added Benefits in Oxidative Cured Systems	Borchers	Kellie Salerno	Monday 10/21	9:40am - 10:10am
40	40 - Surface Soluble Salts Impact on Protective Coating Performance	Borchers, ChlorRid	Andrew Recker	Wednesday 10/23	1:10pm - 1:40pm
35	35 - Acrylic elastomeric roof coatings - Improved mechanical properties and performance with microfibrillated cellulose	Borregaard	Otto Soidinsalo, PhD	Wednesday 10/23	9:35am - 10:05am
41	41 - Next Generation of Tint Viscosity Stabilizers	BYK USA	Martin Kays	Tuesday 10/22	10:15am - 10:45am
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	10:45am - 11:15am
81	81 - Unconventional Gas: What has it Meant for the Coatings Industry?	BYK USA Inc.	Chris Cornetto	Tuesday 10/22	10:50am - 11:20am

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



Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
114	114 - Break the Tension - Improving Substrate Wetting and Flow Performance in Waterborne Coatings	BYK USA Inc.	Richard Edgar	Wednesday 10/23	9:00am - 9:30am
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	3:25pm - 3:55pm
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	3:25pm - 3:55pm
80	80 - A Complexity-Based Approach to Designing New Coating Formulations	California Polytechnic State University, San Luis Obispo	Dr. Erik Sapper	Monday 10/21	10:50am - 11:20am
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	10:15am - 10:45am
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	10:15am - 10:45am
49	49 - Improvements to VAE Copolymer Capabilities in Architectural Coatings	Celanese	James Martin	Wednesday 10/23	10:45am - 11:15am
71	71 - Micro encapsulated corrosion inhibitors for improving the durability of industrial coatings	Ceramisphere PTY Ltd	Dr Andy Noble-Judge	Monday 10/21	2:50pm - 3:20pm
45	45 - Engineered PolySaccharides: A Novel Biomaterial Additive for the Coatings Industry with Multifunctional Properties	Chemquest Technology Institute	Stephen Raper	Tuesday 10/22	9:40am - 10:10am
119	119 - Emulsified UV Stabilizers and Their Applications	Chitec Technologies Co., Ltd.	James B. Gacek	Monday 10/21	2:50pm - 3:20pm
104	104 - Architectural Colorants: Universal vs Water Only and What's Next	Chromaflo Technologies	Jerry Powers	Wednesday 10/23	3:10pm - 3:40pm
124	124 - Novel additives towards leaching-free exterior wall paints	Clariant	Jörg Rüger / Mark Coward	Tuesday 10/22	10:50am - 11:20am
14	14 - Unique additives to improve the weathering and surface properties of waterbone coatings	Clariant Plastics & Coatings USA, LLC	Mouhcine Kanouni, PhD	Wednesday 10/23	12:35pm - 1:05pm
109	109 - A History of Azo Pigments – Coloration of Paints	Clariant Plastics & Coatings USA, LLC	Romesh Kumar	Tuesday 10/22	10:15am - 10:45am

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Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
62	62 - CLiQFLOW 690 - NON-IONIC ASSOCIATIVE THICKENER NOVEL CHEMISTRY LEADING TO EXCELLENT EFFICIENCY BOOST	CLiQ SwissTech (Deutschland) GmbH	Dietmar Sondermann	Monday 10/21	10:50am - 11:20am
112	112 - Turn Your Color Into Profit & Productivity	Color Turners	Denise Turner	Wednesday 10/23	10:45am - 11:15am
39	39 - Copper-containing glass powder additive for antimicrobial coatings	Corning Incorporated	Dr. Joydeep Lahiri	Wednesday 10/23	3:45pm - 4:15pm
118	118 - Compliant Low VOC Floor Coating Solutions in an Evolving Regulatory Environment	Covestro LLC	Todd Williams, Ph.D.	Wednesday 10/23	10:45am - 11:15am
107	107 - ADVANCES IN VIABILITY OF WATERBORNE DTM INDUSTRIAL COATINGS FOR VOC-FREE ASSET PROTECTION ENABLED BY NOVEL POLYMERIC &	Croda Inc.	Nathan Noyes	Wednesday 10/23	12:35pm - 1:05pm
3	03 - It's Not Easy Being Green – how to formulate Green Label Paints Without Incurring Additional Cost	DKSH North America Inc.	Dr. Richard Martorano (a.k.a. Muhammad Ali Amin)	Tuesday 10/22	10:50am - 11:20am
75	75 - Novel Waterborne Room Temperature Curable Silicone Resin Emulsions for High Temperature Resistant Coatings	Dow	Jenafer Jensen	Monday 10/21	4:00pm - 4:30pm
20	20 - A Novel Primer Coating for Heat Sealable Polyester Packaging Films	DuPont Teijin Films	Shengsheng Liu, Ph.D.	Wednesday 10/23	1:10pm - 1:40pm
110	110 - Direct Contactless Microfabrication for Application of Drag Reducing Riblets onto Aerospace Vehicles utilizing UV Curable Allophanate Structures	Dvorchak Enterprises LLC	Michael J Dvorchak	Wednesday 10/23	10:10am - 10:40am
69	69 - Smart and Multifunctional Materials and Coatings	Eastern Michigan University	Dr. Jamil Baghdachi	Tuesday 10/22	10:50am - 11:20am
68	68 - Impact of Dispersant Technology on Dispersion Ease and Performance of Aluminum Effect Pigments	ECKART America	Jon Lawniczak	Wednesday 10/23	9:00am - 9:30am
46	46 - New polymeric dispersant for water-borne industrial coatings	Elementis Specialties	Mihai Polverejan	Monday 10/21	10:50am - 11:20am
47	47 - Novel Urethane Associative Thickeners for Waterborne Coatings Based on Hydrophilic Binders	Elementis Specialties	Chitra Jeurkar	Wednesday 10/23	3:45pm - 4:15pm

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48	48 - Recent Advances in Hydrophobically Modified Alkali Swellable Thickeners (HASE) for Waterbased Architectural Coatings	Elementis Specialties	Brough Richey	Wednesday 10/23	9:00am - 9:30am
95	95 - New Multifunctional Additive Provides Harder Films, Reduced VOCs, Boosts Preservation	Emerald Kalama Chemical, LLC	Dr. Stephen Foster	Wednesday 10/23	10:10am - 10:40am
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	10:15am - 10:45am
52	52 - Improved Adhesion to TPO and other Hard-to-Stick Surfaces with Waterborne Acrylic Resins	EPS	Robert Sandoval	Wednesday 10/23	10:45am - 11:15am
78	78 - Binder/Formulation Interactions in High Performance Waterborne Low VOC Direct-to-Metal Coatings	EPS	Chris LeFever	Wednesday 10/23	2:35pm - 3:05pm
101	101 - Spectroscopic Analysis of Waterborne Architectural Coatings For Improved Weathering	EPS	Karl Booth	Wednesday 10/23	3:45pm - 4:15pm
42	42 - Fine-tuning Coating Surface Control Through the Use of Modified Siloxanes	Evonik Corporation	Michael Peck	Wednesday 10/23	1:45pm - 2:15pm
58	58 - Silicone Hybrid Resins for High Solids Topcoats	Evonik Corporation	Maria Nargiello	Monday 10/21	3:25pm - 3:55pm
15	15 - Manufacturing: Pumping Technologies that improve processes and lower operating costs	Graco Inc.	Larry Cozzo	Wednesday 10/23	10:10am - 10:40am
84	84 - NOVEL EPOXY SYSTEMS FOR GREEN CONSTRUCTION	Hexion, Inc.	DANIEL HORVATH	Tuesday 10/22	2:50pm - 3:20pm
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	3:10pm - 3:40pm
82	82 - Bridging long pot life with fast cure at low temperature: From concept to development	Huntsman Advanced Materials	Lorenzo N. Petway	Wednesday 10/23	9:00am - 9:30am
11	11- Novel Additive for Anti-Corrosive Cool Roof Applications	ICL Phosphate Specialty	Michelle Bauer	Tuesday 10/22	9:40am - 10:10am
70	70 - Lithium Carbonate Alternatives for fast curing Dry Mix Applications	IMCD Deutschland GmbH & Co KG	Dr. Olaf Hetche	Monday 10/21	2:50pm - 3:20pm

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



Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
57	57 - Optimized Processing to Reduce Crystalline Silica in Ground Calcium Carbonate	Imerys Performance Minerals	Chad Fiedler	Wednesday 10/23	3:10pm - 3:40pm
9	09 - Effect of Crosslinker Content on the Thermo-mechanical Properties of Polyester Coatings	Imperial College London (UK)	Fabian S. Sorce	Monday 10/21	10:15am - 10:45am
32	32 - Advanced Waterbased Acrylic Technology for the Coatings Industry	Interpolymer Corporation	Dana Charron	Monday 10/21	3:25pm - 3:55pm
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	9:00am - 9:30am
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	1:45pm - 2:15pm
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	3:10pm - 3:40pm
24	24 - Cool Coatings and Old Wood Coatings	Los Angeles Society for Coatings Technology	Arthur Lorenz / Joe Reilly	Monday 10/21	10:15am - 10:45am
33	33 - Aesthetic value in polyamide based polyurethane coatings	Lubrizol Advanced materials Inc	Chris Swech	Tuesday 10/22	3:25pm - 3:55pm
55	55 - High Solid waterborne polyamide based polyurethane coatings	Lubrizol Advanced materials Inc	Amanda Dechant	Wednesday 10/23	1:10pm - 1:40pm
63	63 - Paint it Green - Designing the Ultimate Dispersants for Environmentally Friendly Coatings	Lubrizol Advanced Materials, Inc.	Jonathan Bird	Monday 10/21	3:25pm - 3:55pm
96	96 - What's so special about PTFE and are there any alternatives to protect coatings	Lubrizol Advanced Materials, Inc.	Kevin Quinn	Tuesday 10/22	4:00pm - 4:30pm
50	50 - The Usage of Waterborne Copolymer Dispersions in Corrosion Resistant Applications	Michelman, Inc	Scott Smallwood	Wednesday 10/23	9:35am - 10:05am
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	3:25pm - 3:55pm
73	73 - New development in additives for waterborne/low VOC coatings	Munzing US	Royce Mathews	Wednesday 10/23	9:35am - 10:05am

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



Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
74	74 - New Slip Additives for Water and Solvent Based Systems	Munzing US	Kajal Parekh	Tuesday 10/22	4:00pm - 4:30pm
103	103 - Low VOC Waterborne Epoxy Floor Coating Systems	Olin Corporation	Wells Carter	Monday 10/21	4:00pm - 4:30pm
88	88 - Why You Should Consider Soybean Oil for Tomorrows Coating	Omni Tech International, Ltd.	Lee Walko	Wednesday 10/23	1:10pm - 1:40pm
36	36 - Alternative Solutions for Matting Agents in Coating Applications	Omya, Inc.	Kshitij Parab	Monday 10/21	10:15am - 10:45am
85	85 - Effect of Low VOC Coalescents on Film Formation, Dirt Pick-up Resistance and Surfactant Leaching of Waterborne Paints	Oxiteno Indústria S.A.	Dr. Juliane Pereira Santos	Monday 10/21	9:40am - 10:10am
1	01- National Specialty Chemical Distributors – A Formulator’s Best Friend	Palmer Holland Inc.	Rich Najdusak	Tuesday 10/22	9:40am - 10:10am
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	2:35pm - 3:05pm
30	30 - Formulating for solvent versus waterborne coatings	Patcham Ltd	John Du	Wednesday 10/23	3:45pm - 4:15pm
43	43 - STATISTICAL COMPARISON OF VISUAL AND COLORIMETRIC ASSESSMENTS OF WEATHERING-INDUCED COLOR CHANGE FOR ARCHITECTURAL	Q-Lab Corporation	David Duecker	Monday 10/21	2:50pm - 3:20pm
51	51 - Transparent Omniphobic Coatings for Various Applications	Queen's University	Prof. Guojun Liu	Tuesday 10/22	2:50pm - 3:20pm
108	108 - Evolving Karl Fischer Titration Methods in a Dynamic Range of Coatings Materials	Quveon, Inc.	Marlene Stewart	Wednesday 10/23	2:35pm - 3:05pm
29	29 - READ HIDDEN EMOTIONS - The Science Behind a New Skill	Read Emotions	Dan Seidman	Tuesday 10/22	3:25pm - 3:55pm
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	1:45pm - 2:15pm

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



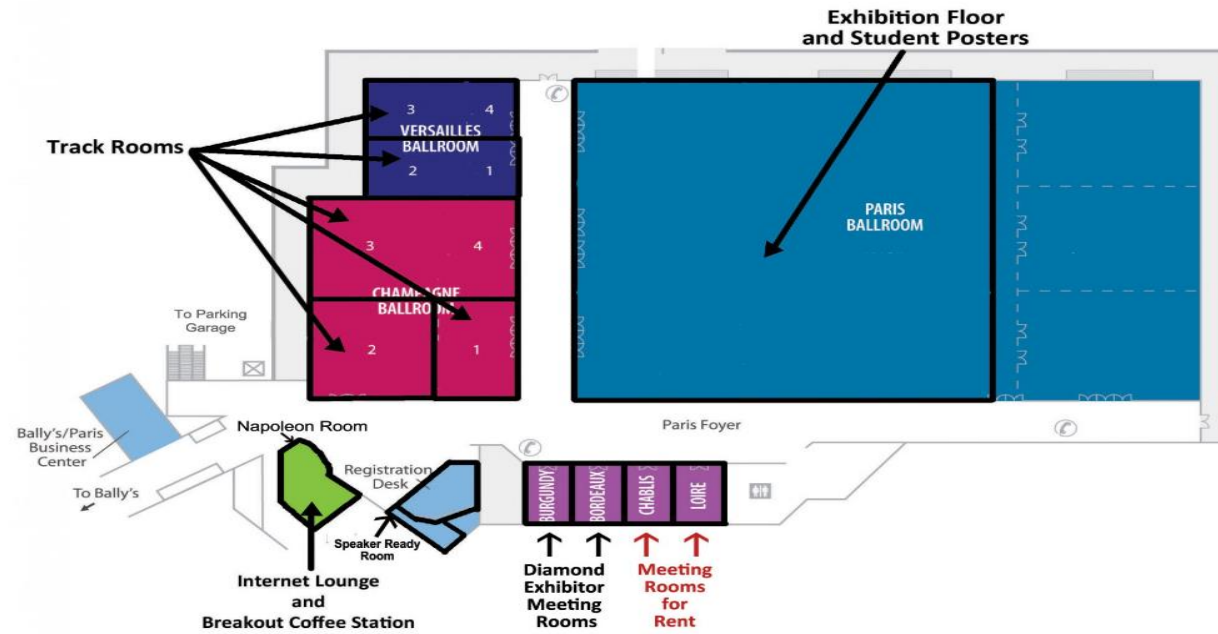
Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
5	05 - Oxidizable Phenolic Urethanes – Bio-Based Resins	S.P. Morell and Company	Sam Morell	Monday 10/21	3:25pm - 3:55pm
59	59 - Dissecting Orange Peel: A Process Oriented Approach	Saint Clair Systems, Inc.	Mike Bonner	Tuesday 10/22	9:40am - 10:10am
122	122 - A new generation of nonionic emulsifiers for waxes and carbon black	Sasol Performance Chemicals	Ullie (Ulrike) Fischer	Monday 10/21	10:15am - 10:45am
4	04 - Improving Cool Colored Roof Coatings Durability and Maintaining High Solar Reflectance with Nepheline Syenite Fillers	SIBELCO	Charles Edwards	Wednesday 10/23	1:10pm - 1:40pm
72	72 - Next Generation, APEO-free surfactant solution for the Paint Can	Solvay	Linda Adamson	Wednesday 10/23	12:35pm - 1:05pm
56	56 - Enhancing Performance of Waterborne Industrial Coatings Based on Functionalized Binders	Solvay USA Inc.	Lichang Zhou	Tuesday 10/22	10:50am - 11:20am
64	64 - Cationic Stainblocking Primer Technology	Specialty Polymers, Inc	Gregory Monaghan	Wednesday 10/23	9:35am - 10:05am
38	38 - Novel VOC-Free Solution for Effective Wetting and Dispersing of Challenging Pigments	Stepan Company	Carolina Rojas	Tuesday 10/22	4:00pm - 4:30pm
13	13- High Performance Quinacridones and Phthalocyanines for Architectural Coatings	Sun Chemical Corporation	Nilanjan Chakrabarti, Ph.D.	Monday 10/21	2:50pm - 3:20pm
23	23 - Robust Low-Shear Thickeners with Excellent Sag Resistance and Solvent Tolerance	The Dow Chemical Company	Dr. Wenqin (Sunny) Wang	Monday 10/21	9:40am - 10:10am
113	113 - Strategies to Overcome the Challenges of Commercializing New Coatings Chemistries under TSCA	UL Chemicals	Stacie Abraham	Tuesday 10/22	9:40am - 10:10am
99	99 - How To Reduce Yellowing in Epoxy Systems	Univar Solutions	Paul Lewis	Wednesday 10/23	2:35pm - 3:05pm
76	76 - High Performance Acrylic Latex Technologies for Low VOC Concrete Sealers	Vinavil	Neal Rogers	Tuesday 10/22	3:25pm - 3:55pm

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Data Sort for Column B	Presentation Title	Company	Speaker	Presentation Date	Presentation Time Slot
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>
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	<i>4:00pm - 4:30pm</i>

34th WCS Technical Program Facilities Map



Keynotes, Leadership Panel, and Academic Research Presentations will be in Champagne 3 & 4.

Speaker rooms are:

Champagne 1
Champagne 2
Champagne 3 & 4
Versailles 1 & 2
Versailles 3 & 4