



EUROPEAN TECHNICAL COATINGS CONGRESS

**“COATINGS EVOLUTION”
DAILY PROGRAMME**

**ETCC2024 -European Technical Coatings Congress-
will take place on 23–24–25 September 2024
in the Palace of the Popes of Avignon (France).**

**For all information and registration on line
visit our website: www.etcc2024.org**

MONDAY 23 SEPTEMBER 2024 - AM

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
09.00 - 09.45	OPENING CEREMONY		
09.45 - 10.30	PLENARY CONFERENCE 77 - Collaboration is the quickest way to sustainable coatings VAN LINDEN Andre AKZO NOBEL		
10.30 - 11.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
	Session SMART COATINGS	Session BIOBASED SOLUTIONS	Session BUIDING MATERIALS
11.00 - 11.30	49 - Zeolite-supported TiO ₂ for acetone photo-oxidation: Kinetic insights DE GRAAF Mirjam UTRECHT UNIVERSITY	2 - Bio-based coatings applied to innovative mycelium materials for the fashion and automotive industry BEGUE Delphine ITECH	1 - Impregnation of oil on surfactant-clay particles: Solid/liquid interaction in geopolymers BASSETTI Jordan CENTRALE LILLE INSTITUT UCCS
11.30 - 12.00	51 - Application of multi-functional poly(phosphorylcholine) coatings MUENCH Alexander LEIBNIZ INSTITUTE OF POLYMERS	50 - Purely bio-based and sustainable binders A big challenge or a nice opportunity LUNDSTEN Gun CH-POLYMERS OY	21 - Silicone additives that enhance coating durability in ETICS TURGUT Hatice DOW
12.00 - 12.30	59 - Fire-retardant acrylic coating by silica -coated limestone (SCL) microencapsulation UZOH Chigozie NNAMDI AZIKIWE UNIVERSITY	53 - Bio-based additives, sustainable solutions for coil coating DOS SANTOS Camila Helena DYNEA AS	24 - Protect your exterior façade coatings with quick set technologies - Improvement PETERS Oliver EVONIK COATING ADDITIVES
12.30 - 13.30	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>

MONDAY 23 SEPTEMBER 2024 – PM

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
	Session ADVANCES IN PROCESSING AND PRODUCTION	Session CORROSION PROTECTION	Session MEASURING AND TESTING
13.30 - 14.00	3 - One shot matte powder coatings BONGAERTS Jan COVESTRO	4 - Stable graphene dispersions: multi-properties anticorrosion additives BOTTEIN Thomas CARBON WATERS	33 - Wettability, contact angle, and surface energy: Do's and don'ts SEVENO David KU LEUVEN
14.00 - 14.30	29 - Process principles and formulation of redispersible powder coatings AGGEZ Okan DENMARK TECHNICAL UNIVERSITY	7- Eco-friendly corrosion inhibitors from fruit waste: A study on N-Doped carbon dots derived from pistachio shells for protecting carbon steel MARDANI Shiba INSTITUTE FOR COLOR SCIENCE & TECHNOLOGY	35 - How to qualify coating products and achieve a green card to market? DONG Qian DNV
14.30 - 15.00	30 - The upsides and challenges of overspray-free paint application BOSMA Martin ALLNEX	28 - Corrosion inhibiting coatings: Lignin phosphate as a bio-based alternative to zinc phosphate CHAUDHARI Tushar TECHNICAL UNIVERSITY OF DENMARK	41 - Thermographic method for evaluation of corrosion test panels DOESSEL Karl-F. ORONTEC
15.00 - 15.30	32 - Innovative powder airbrush technique opens new markets for solvent-free powder coating CUDAZZO Markus FRAUNHOFER IPA	56 - Corrosion behavior of electrocoated 6082-T6 & S500 dissimilar joints MUTLU Mirac FORD OTOSAN	42 - When additives go on a stroll – How to check for a stable formulation STALMACH Ulf ORONTEC
15.30 - 16.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
	Session ADVANCES IN PROCESSING AND PRODUCTION	Session FORMULATION	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS
16.00 - 16.30	34 - Development of ultra-thin, rapid-cured, self-bonding coating electrical steel for high efficiency EV motor HSIN-WEI Lin CHINA STEEL CORPORATION	19 - How composite pigments improve coating opacity and ultimately result in improved sustainability WHITE Andy FP-PIGMENTS	6 - Silylated polyurethane resin systems New technology for PFAS free protective coating solutions CHERNYSHOV Dmitry MOMENTIVE
16.30 - 17.00	37 - Biocide-free concepts for in-can and film preservation SAUER Christopher BASF SE	36 - Polysiloxane wetting and defoaming additives for water-borne coatings LEVCHENKO Vladimir DYNEA AS	8 - Environmentally friendly low temperature cross-linking system MORIWAKI Yuya KYOEISHA CHEMICAL
17.00 - 17.30	45 - Excimer matting controlling the gloss of aqueous coating compositions VAN CASTEREN Ilse COVESTRO	46 - New functional silicone additive for architectural coatings CHEIKH Christophe WACKER CHEMIE	9 - Eco-friendly plasma polymerized PFAS-free icephobic coatings MOSTOFI SARKARI Navid KU LEUVEN
17.30 - 18.00	60 - Appraisal of mathematical modeling of alkyd resin polycondensation reactor UZOH Chigozie NNAMDI AZIKIWE UNIVERSITY	69 - Digital approach to formulation design using Monte Carlo simulation SUETTERLIN Jan COVESTRO DEUTSCHLAND	11 - 1K crosslinking system for blends of polyurethane / polyacrylic dispersions PAULUS Wolfgang BASF SE

TUESDAY 24 SEPTEMBER 2024 - AM

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
09.15 - 10.00	PLENARY CONFERENCE 62 - Heat shielding and flame retardancy from polyelectrolyte-based nanocomposite coatings GRUNLAN Jaime C. TEXAS UNIVERSITY		
	Session CARBON FOOT PRINT & DECARBONATION	Session CORROSION PROTECTION	Session MEASURING AND TESTING
10.00 - 10.30	16 - Mass balance boosts sustainability of energy-curable PU dispersions TIELEMANS Michel ALLNEX	66 - Anticorrosion efficiency of zinc-filled epoxy ester coatings containing conducting polymer PANI-PTSA RAYCHA Yash UNIVERSITY OF PARDUBICE	63 - Optimize quality, reduce costs and save resources through efficient testing processes GAUSSMANN Fabian OPTISENSE
10.30 - 11.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
11.00 - 11.30	38 - Advantages and issues of state-of-the-art methods to substitute fossil raw materials in coating and inks with renewable alternatives SLOOT Tim Frederic EVONIK OPERATIONS	67 - Hybrid coatings with hydrotalcites: a study on mechanical properties CALDERON PEREA Nataly Elizabeth UNIVERSIDAD CARLOS III OF MADRID	74 - Understanding and improving the water resistance of waterborne binders LOTTIER Simon ARKEMA
11.30 - 12.00	73 - Waterborne alkyd emulsion, a solution to decarbonize wall, wood and metal decorative paints DELMAS Grégory ARKEMA	70 - Project CoFoMag Part I: Magnesium surface pretreatment system SERAFIN Daria LUKASIEWICZ - WARSAW INSTITUTE OF TECHNOLOGY	78 - Changes in coating properties during aging tests depending on the type of pigment LANGER Ewa LUKASIEWICZ RESEARCH NETWORK
12.00 - 12.30		71 - Project CoFoMag Part II: Flexible self-lubricating powder coatings GEDAN-SMOLKA Michaela IPF DRESDEN	99 - Analysis of TiO2 breakage in a bead mill–modelling and experiments KRZOSA Radoslaw WARSAW INSTITUTE OF TECHNOLOGY
12.30 - 13.30	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>

TUESDAY 24 SEPTEMBER 2024 – PM

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
	Session CARBON FOOT PRINT & DECARBONATION	Session CORROSION PROTECTION	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS
13.30 - 14.00	89 - Carbon neutrality: improvements and expectations of a paint applicator FIORANI Thomas FORVIA FAURECIA	91 - Is fractionation essential for lignin's role in anticorrosive coatings RAJAGOPALAN Narayanan TECHNICAL UNIVERSITY OF DENMARK	13 - How cerium oxide affects weathering resistance of a superhydrophobic coating RAFIEI HASHJIN Rana INSTITUTE FOR COLOR SCIENCE & TECHNOLOGY
	Session BUILDING MATERIALS	Session BIOBASED SOLUTIONS	
14.00 - 14.30	65 - How do intumescent coatings work to save lives? BAUDE Christophe SYNTHOMER	54 - Pentamethylene diisocyanate: a building block for sustainable PU coatings and adhesives EGGERT Christoph COVESTRO DEUTSCHLAND	108 - Evaluation of corrosion protection and antifouling efficiency of fouling release coatings on copper alloys TUBARO Erica UNIVERSITY OF UDINE
14.30 - 15.00	76 - Solar reflectivity of exterior architectural coatings FERNANDO Raymond CALIFORNIA POLYTECHNIC STATE UNIVERSITY	58 - Utilization of vegetable oils in the synthesis of latex coating binders KOLAR Martin UNIVERSITY OF PARDUBICE	27 - Alternatives to fluoro-based additives in coatings and inks REINARTZ Roger EVONIK OPERATIONS
15.00 - 15.30	90 - Thermal insulation paint formulation and its energy saving properties GHORBANI Fateme ALVAN PAINT AND RESIN MANUFACTURER	83 - Functionalized sustainable carbon materials and lignin derivatives for radical photopolymerization in coating sciences STREHMEL Bernd NIEDERRHEIN UNIVERSITY OF APPLIED SCIENCES	39 - Improvement of water resistance of latex coatings by various approaches MACHOTOVA Jana UNIVERSITY OF PARDUBICE
15.30 - 16.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
16.00 - 16.30	110 - Effect of curing conditions and polymer-cement ratio on the properties of latex-modified cement coatings NANCEY Pierre-Marie UNIVERSITY OF TOULON	98 - Pine derivatives. Pioneering solution for a sustainable packaging industry ZILLI Dario LAWTER EUROPE	47 - Modified alpha-silane-terminated polyether A new hybrid binder for innovative surface protection ANDERS Udo WACKER CHEMIE
	Session WOOD AS SUBSTRATE		
16.30 - 17.00	44 - How to assess the cracking risk of coatings? PODGORSKI Laurence FCBA BORDEAUX	105 - Using Biopolymers in Green Paints and Coatings Development KARAVAYEV Taras STATE UNIVERSITY OF TRADE AND ECONOMICS	79 - Bio-based type I photoinitiator: Carbon dots with oxygen tolerance WANG Qunying NIEDERRHEIN UNIVERSITY OF APPLIED SCIENCES
17.00 - 17.30	64 - No need to sacrifice performance when formulating sustainable wood coatings with high-performance catalysts HELKER Dietmar BORCHERS	100 - Innovating for sustainability: Recent advances in bio-based polymers and coatings within the bioeconomy sector ZAKY Samir BIOECONOMY FOR CHANGE	84 - Towards outperforming and more sustainable vinylic polymers MALAVOLTI Marino VINAVIL
17.30 - 18.00	68 - More sustainable WB binders and coatings from LIFE-WB BioPaint VITALE Marcello IVM CHEMICALS	109 - Renewable dent corn as building block monomer and bio-solvent for the resin and coatings industry VAN WAES Patrick COVATIONBIO/PDO	96 - Opacifying silica microspheres for replacing titanium dioxide in paints TALBOTIER Gilles GAMMA TECH

WEDNESDAY 25 SEPTEMBER 2024 - AM

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
09.15 - 10.00	PLENARY CONFERENCE 12 - Formulation, processes and concepts PIERLOT Christel CENTRALE LILLE INSTITUT UCCS		
	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS	Session SUSTAINABILITY	Session BUILDING MATERIALS
10.00 - 10.30	103 - Light triggered curing of pigmented alkyd paints using iron condensed arene complexes - The riskiest way to make paint TOLBOOM Jens UNIVERSITY OF AMSTERDAM	55 - Sustainable emulsions as binder for paints and coatings KRIEGER Stephan CELANESE	93 - Unlocking the potential of minerals to enhance the UV durability of exterior facade paints ESTEVA Hugo IMERYS
10.30 - 11.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
11.00 - 11.30	104 - Titanium Dioxide – A regulatory and innovational update WILKENHOENER Uwe KRONOS	61 - Sustainable hydrocarbon solvents: Bio-sourced solutions and a carbon neutral offer BAUER Thorsten TOTALENERGIES FLUIDS	94 - Latest innovation in the Low-Exudation-Binder (LEB) technology for masonry coatings SECHER Maurille SYNTHOMER
11.30 - 12.00	17 - Properties of keratin particles as a functional filler WANNER Matthias FRAUNHOFER IPA	86 - Sustainable solution for acrylic emulsions in ERC and ETICS COLLINSON John DOW CHEMICAL COMPANY	97 - Shocking: Graphene enhances conductivity! MARTIN Ian FIRST GRAPHENE
12.00 - 12.30	40 - Visible light active photocatalytic coatings for health care BAUDER Christina FRAUNHOFER IPA	87 - Safe and sustainable by design replacement of PFAS in water and oil-repellent glass-like hybrid coatings POELMAN Mireille MATERIA NOVA	101 - Incorporation of embedded materials for thermal regulation of buildings BOLAND Yann CENTRALE LILLE INSTITUT UCCS
12.30 - 13.30	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>

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	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS	Session SUSTAINABILITY	Session ADVANCES IN PROCESSING AND PRODUCTION
13.30 - 14.00	26 - Controlling the surface properties of LED and standard UV-curing coatings and inks STRUCK Susanne EVONIK OPERATIONS	102 - CNSL Oxycetic acid, a new binder for the formulation of waterborne paints LEMAIRE Marc UNIVERSITE CLAUDE BERNARD LYON 1	95 - Fouling behavior of aged fouling release coating in underwater cleaning LIN Shujie TECHNICAL UNIVERSITY OF DENMARK
		Session FORMULATION	
14.00 - 14.30	112 - Oleochemicals - Derivatives of fatty acid amides in alkyd-urethane coatings SUVOROVA Yuliia UKRAINIAN STATE UNIVERSITY OF CHEMICAL TECHNOLOGY	88 - Challenges for formulators in complying with product regulations SAUVAN Nancy FIPEC	15 - Barrier coating SCHEERDER Jurgen COVESTRO
	Session COLOR AND DYES		
14.30 - 15.00	92 - Improved dispersion and stability of natural hybrids pigments VOLLE Nicolas PIGM'AZUR	72 - High performances coating additives in different market applications: focus on Orgasol® & Rilsan® polyamides powders BASSET Maud ARKEMA	52 - Digitalization and the paint industry - Why do we need a smart paint factory alliance? STALMACH Ulf ORONTEC
			Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS
15.00 - 15.30	85 - Influence of modified oxidic pigments on photopolymerization of epoxidized plant oil STREHMEL Veronika NIEDERRHEIN UNIVERSITY OF APPLIED SCIENCES	75 - How to enhance paint properties with our latest innovations on polyurethane thickeners TRANG Yohann ARKEMA	14 - Development of a chemical-resistant coating: A comparative study REIAN Gard JOTUN
15.30 - 16.00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
16.00 - 16.30	20 - Using composite TiO2 pigments to reduce the use of coloured pigments hence reducing cost and carbon footprint WHITE Andy FP-PIGMENTS	10 - Sustainable coatings solutions that make the difference MYLVAGANAM Sinthuya SYENSQO (SOLVAY)	107 - Covalently bound and environmentally friendly coatings for skis FAN Xin ZURICH UNIVERSITY OF APPLIED SCIENCES
16.30 - 17.00	PLENARY CONFERENCE 23 - Colours and cities NOURY Larissa COLOUR-SPACE-CULTURE		
17.00 - 17.30	CLOSING CEREMONY AND AWARDS 		