



ETCC 2024

EUROPEAN TECHNICAL COATINGS CONGRESS

Coatings Evolution

AVIGNON 23-25 SEPTEMBER 2024



FATIPEC

*Federation of Associations
of Technicians for Industry
of Paints in European Countries*

AFTPVA

*Les experts techniques des Industries de formulation
French Association of Technicians of Paints, Varnishes,
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WELCOME ADDRESS

Welcome to ETCC 2024 – European Technical Coatings Congress – taking place in the Palace of the Popes of Avignon, mighty symbol of the church’s influence throughout the western Christian world in the 14th century.

More than 100 conferences focused on innovative products, newest scientific and technical developments..., are presented by universities, institutes, laboratories and companies specialized in Coatings, Adhesives, and Construction Materials, coming from all over the world, and awards for the best presentations of Congress speakers will be granted.

Prior to ETCC, a summer school is organized, with lectures and presentations dedicated mainly for young scientists, PhD students and students.

In addition, oral and poster presentations, and a gala dinner, are the right moment and place to talk face to face and to create business relationships.

ETCC (former FATIPEC Congress) is the international scientific and technical event of worldwide reach being organized traditionally and successfully for over 70 years. We are aware about your beneficial participation.

Avignon is now the capital of the Vaucluse department and one of the few French cities to have preserved its city walls. The skyline of Avignon is a magnificent urban landscape. Overlooking the city and the Rhône river, the Rocher des Doms presents an exceptional set of monuments including the Saint Bénézet Bridge (the famous “Pont d’Avignon”!), the Ramparts, the Petit Palais, the Cathedral and the impressive walls of the Popes Palace flanked by four mighty towers. This architectural group has been ranked by UNESCO “World Heritage for Humanity”.

We would like to thank you speakers, attendees, sponsors, ... for your coming and hope that you will learn a lot about the newest developments in the Coatings technology and science.



Federation of Associations
of Technicians for Industry
of Paints in European
Countries (www.fatippec.com)

– was founded in Geneva in the year 1950. Members come from 13 country associations. The main scope of activities is development and dissemination of scientific and technological knowledge related to production, formulation, application in the field of paints and coatings.



French Association of
Technicians of Paints,
Varnishes, Printing Inks and

Adhesives (www.aftpva.org) – was founded in Paris in 1947. The Association organizes regional, national and international conferences and seminars to focus attention on the advancement of science and technology in the field of coatings. It brings together engineers and technicians of companies that operate in the coatings chain all over the country and abroad.



Dr Michael HILT
President of FATIPEC



Bernard CHAPUIS
President of AFTPVA



Alain LEMOR
Congress chair

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GENERAL INFORMATION

SUMMER SCHOOL

- Sunday 22 September: starts at 1.30 p.m. until 5.30 p.m.

CONFERENCE SCHEDULE

- Monday 23 September: starts at 9.00 a.m. until 6.00 p.m.
- Tuesday 24 September: starts at 9.15 a.m. until 6.00 p.m.
- Wednesday 25 September: starts at 9.15 a.m. until 5.30 p.m.

WEBSITE URL

<https://etcc2024.org>

FREE WIFI

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Convention Center Entrance – Palace of the Popes

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SUMMER SCHOOL

“SUMMER SCHOOL” is the seminar taking place on [Sunday, September 22](#) from 1.30 p.m. to 5.30 p.m. prior to the ETCC 2024. Lectures and presentations are dedicated mainly for young scientists, PhD students and students.

➤ **Dr. Christel PIERLOT, Teacher Researcher, CENTRALE LILLE INSTITUT (UCCS)**

Experimental design in coatings

To develop coatings formulations, it is important to analyse the effect of several factors affecting their properties. Two standard two-level Hadamard and factoriaF designs will be presented pointing out effect of factor and benefits for coatings development.

➤ **Jordan BASSETTI, 3rd year PhD Student, CENTRALE LILLE INSTITUT (UCCS)**

Particle wettability: Concepts, theoretical aspects, and application of the Washburn method

In a paint formulation, a pigment is a finely dispersed solid material that contributes color and opacity, with its wettability playing a crucial role in facilitating even dispersion and adhesion within the liquid medium. The Washburn method offers quantitative measurements of particle wettability, enabling the study of wetting kinetics, comparison of materials, and formulation optimization.

➤ **Dr Thierry LACOUR, R&D Director & Company Manager, BIOPRESERV France**

Biocides: an essential raw material for water-based formulations

Biocides are an essential molecules family permitting long life of water-based formulations such as paint, material, surfaces, cosmetics, detergents... In Europe, biocides are regulated by the Biocide Product Regulation (BPR). An overview of biocide application, product type based on BPR and efficacy testing will be shared.

➤ **Dr Alain CARRE, Consultant, Teacher, AFPEV**

Fundamentals of wetting and adhesion










Wetting and adhesion are of considerable importance to many aspects of industrial operations. We will recall the notions of surface tension for a liquid and surface energy for a solid. Knowledge of these parameters is valuable for understanding many surface/interface phenomena such as adhesive bonding. But the energy of rupture of an assembly is generally much greater than the reversible work of adhesion deduced from the surface energies. The rheological model of adhesion shows that the separation energy measured for example with a peel test depends on the reversible work of adhesion and on the energy dissipated by the adhesive. Continuing this theory, another dissipation phenomenon was then highlighted and will be explained. To finish, molecular orientation at polymer interfaces will be described. We will see how this phenomenon may contribute to the establishment of strong chemical bonds between a polymer and its substrate.

➤ **Dr. Nicolas MOUGIN, Technical Manager and co-founder of RHEONIS**










Coating product physical behaviour and challenges for predictive instrumental methods

Coating product research and development involves a broad variety of tools and methods, aimed at providing a full-spectrum overview of product behaviour in laboratory environment. Rudimentary technical apparatus neighbors sophisticated scientific instrumentation in order to provide a qualitative and quantitative determination of formula properties and behaviour. Nevertheless, predicting behaviour-in-use remains challenging in many contexts, especially in industrial contexts. This conference intends to discuss such challenges in connection with instrumental methods and to provide guideline for questioning their predictive ability. What does it take for a measurement method to become predictive? What is predicted? Under which limits? We will focus on product physical behaviour, related to rheological, interfacial and physico-chemical dynamical aspects.











PROGRAMME – MONDAY 23 SEPTEMBER 2024

	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 BUILDING 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 MÜNCH 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 CHEMICAL COMPANY
12.00 - 12.30	59- Self-stratifying epoxy vitrimer / PVDF coating for application in lithium metal batteries KERRACHE Alban CENTRALE LILLE INSTITUT UCCS	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>
	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 TECHNICAL UNIVERSITY OF DENMARK	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 FORMULATIONS	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS
16.00 - 16.30	116- How biobased binders can leverage your decarbonization strategy? RHAZALI Sophia ECOAT	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- Epoxy/thermoplastic polyurethane self-stratifying coating for aeronautical applications LEBEAU Adrien U. LILLE - AIRBUS CENTRAL R&T	69- Digital approach to formulation design using Monte Carlo simulation SÜTTERLIN Jan COVESTRO DEUTSCHLAND	11- 1K crosslinking system for blends of polyurethane / polyacrylic dispersions PAULUS Wolfgang BASF SE

PROGRAMME – TUESDAY 24 SEPTEMBER 2024

	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 MÜLLENEISEN Jörg 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 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 TiO ₂ 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>
	Session WOOD AS SUBSTRATE	Session COATINGS MARKET	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS
13.30 - 14.00	89- Low environmental impact protection systems to reduce the vulnerability of building to fire at the wildland-urban interface CAROLINI Sabatino CENTRALE LILLE INSTITUT UCBS	124- Global Paint & Coatings Market Update MATAYI Trevor ORR & BOSS CONSULTING	121- Novel concepts of acrylic resin application in powder coatings formulation POJNAR Katarzyna RZESZOW UNIVERSITY OF 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 DZIKI Sebastian BORCHERS	109- Renewable dent corn as building block monomer and bio-solvent for the resin and coatings industry VAN WAES Patrick COVATIONBIO PDO	84- Towards outperforming and more sustainable vinyl polymers MALAVOLTI Marino VINAVIL
17.30 - 18.00	68- More sustainable WB binders and coatings from LIFE-WB BioPaint VITALE Marcello IVM CHEMICALS		96- Opacifying silica microspheres for replacing titanium dioxide in paints TALBOTIER Gilles GAMMA TECH

PROGRAMME – WEDNESDAY 25 SEPTEMBER 2024

	Room BENOIT 12	Room TRESORIER	Room GRAND PROMENOIR
09.15 - 10.00	PLENARY CONFERENCE 12- Emulsion of biobased alkyd resin, 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 TURGUT Hatice 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>
	Session ADVANCES IN SCIENCES OF PAINTS, ADHESIVES, INKS	Session SUSTAINABILITY	
13.30 - 14.00	26- Controlling the surface properties of LED and standard UV-curing coatings and inks STRUCK Susanne EVONIK OPERATIONS	102- CNSL Oxyacetic acid, a new binder for the formulation of waterborne paints LEMAIRE Marc UNIVERSITÉ CLAUDE BERNARD LYON 1	
		Session FORMULATIONS	Session ADVANCES IN PROCESSING AND PRODUCTION
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 Jürgen 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 Johann 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 and hence reducing cost and carbon footprint WHITE Andy FP-PIGMENTS	10- Sustainable coatings solutions that make the difference MYLVAGANAM Sinhthuya SYENSQO	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		



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KEYNOTE SPEAKERS



► **Andre VAN LINDEN**

Presentation title: Collaboration is the quickest way to sustainable coatings
Scheduled on Monday at 9.45 a.m.

Dr Andre van Linden (R&D Director Scientific Academic Partnerships in AkzoNobel) is more than 38 years active in the paint industry. After a career in Research and Marketing he was BU R&D Director in North and East Europe for some years. Already for 12 years he is working from Sassenheim, responsible for external research partners. He is now active in collaborations like ARC CBBC (NL), CB2 (USA), SusInkCoat (NL) and SuSCoRD (UK). He is active in several (Dutch) strategy boards and he is chairing the NVVT (Dutch paint technologist association); Dutch Fatiepec and the ISO TC/35 for Paints and Coatings standards.



► **Jaime C. GRUNLAN**

Presentation title: Heat shielding and flame retardancy from polyelectrolyte-based nanocomposite coatings
Scheduled on Tuesday at 9.15 a.m.

Dr Jaime Grunlan is the Leland T. Jordan '29 Chair of Mechanical Engineering at Texas A&M University. He holds joint appointments in the Department of Materials Science and Engineering and the Department of Chemistry. He is a world leader in environmentally-benign, flame retardant and super gas barrier nanocoatings, which are based on aqueous polyelectrolyte complexation. He holds 16 issued U.S. patents. He has published more than 200 journal papers, with more than 26,000 citations. In 2019, he became a Senior Member of the National Academy of Inventors (NAI). In 2023, he became a Fellow of the American Chemical Society (ACS).



► **Christel PIERLOT**

Presentation title: Emulsion of biobased alkyd resin, processes and concepts
Scheduled on Wednesday at 9.15 a.m.

Christel Pierlot is a teacher-researcher at the National School of Chemistry of Lille (now Centrale Lille institute) from 1993.

He obtained his PhD in organic chemistry in 1991, and his authorization to direct research in 2010. He is the author of 75 publications, he has supervised 6 theses (including one on the phase inversion of alkyd resins). He has been a member of AFTPVA (Hauts de France Section) since 2018. He has been Member of the scientific council of Eurocoat for 3 years (2016, 2018, 2020) and of ETCC 2024.



► **Larissa NOURY**

Presentation title: Colours and cities
Scheduled on Wednesday at 4.30 p.m.

Architect-colourist, designer and artist-painter, she has PhD in Art & Architecture, Polytechnic School in Minsk and LISI & Academy of Fine Arts, Saint-Petersburg; PhD in History of Arts, University Michel de Montagne, and Bordeaux 3. She was guest researcher-colourist, Scandinavian Colour Institute, Stockholm, Professor of Colour, Department of Arts, Bordeaux & High School of Arts & Techniques, ESAT, Paris. At present she is Professor of Colour Itecom Art & Design, Paris and President-founder of CEC “Colour-Space-Culture” International Association.

She received a lot of awards among them: Golden Medal of International Lepine competition, Paris- Awards of The Samskrithi Fondation, India- Silver Medal of Academic Society Arts, Sciences, Letters- Grant of the Ministry of Culture, National Center of Book (CNL), France...

She is author of 3 books “Colour in the city”, 2008, “Symbolic. Colour in the city”, 2010 and “Symbolic of colours. Art, Design, Architecture”, 2020.

ETCC 2024 COMMITTEES

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Xavier Franc, Alain Lemor, Paul Remontet, Jean-Claude Saal

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Christel Pierlot, Paul Remontet

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CONGRESS TOPICS

- Advances in Processing and Production
- Advances in Sciences of Paints, Adhesives, Printing Inks and Related Products
- Biobased Solutions
- Building Materials
- Carbon Foot Print & Decarbonation
- Colour & Dyes
- Corrosion Protection
- Coatings Market
- Formulations
- Measuring and Testing
- Smart Coatings
- Sustainability
- Wood as Substrate



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LIST OF SPEAKERS

AGGEZ Okan	29	TECHNICAL UNIVERSITY OF DENMARK	Denmark	Monday	Benoît 12	Advances in Processing
ANDERS Udo	47	WACKER CHEMIE AG	Germany	Tuesday	Promenoir	Advances in Sciences
BASSET Maud	72	ARKEMA	France	Wednesday	Trésorier	Formulations
BASSETTI Jordan	1	CENTRALE LILLE INSTITUT UCES	France	Monday	Promenoir	Building Materials
BAUDE Christophe	65	SYNTHOMER	France	Tuesday	Benoît 12	Building Materials
BAUDER Christina	40	FRAUNHOFER IPA	Germany	Wednesday	Benoît 12	Advances in Sciences
BAUER Thorsten	61	TOTALENERGIES FLUIDS	France	Wednesday	Trésorier	Sustainability
BEGUE Delphine	2	ITECH	France	Monday	Trésorier	Biobased Solutions
BOLAND Yann	101	CENTRALE LILLE INSTITUT UCES	France	Wednesday	Promenoir	Building Materials
BONGAERTS Jan	3	COVESTRO	Netherlands	Monday	Benoît 12	Advances in Processing
BOSMA Martin	30	ALLNEX	Netherlands	Monday	Benoît 12	Advances in Processing
BOTTEIN Thomas	4	CARBON WATERS	France	Monday	Trésorier	Corrosion Protection
CALDERON PEREA N.	67	UNIVERSIDAD CARLOS III DE MADRID	Spain	Tuesday	Trésorier	Corrosion Protection
CAROLINI Sabatino	89	CENTRALE LILLE INSTITUT UCES	France	Tuesday	Benoît 12	Wood as Substrate
CHAUDHARI Tushar	28	TECHNICAL UNIVERSITY OF DENMARK	Norway	Monday	Trésorier	Corrosion Protection
CHEIKH Christophe	46	WACKER CHEMIE AG	Germany	Monday	Trésorier	Formulations
CHERNYSHOV Dmitry	6	MOMENTIVE	Germany	Monday	Promenoir	Advances in Sciences
CUDAZZO Markus	32	FRAUNHOFER IPA	Germany	Monday	Benoît 12	Advances in Processing
DE GRAAF Mirjam	49	UNIVERSITY OF UTRECHT	Netherlands	Monday	Benoît 12	Smart Coatings
DELMAS Gregory	73	ARKEMA	France	Tuesday	Benoît 12	Carbon Foot Print
DOESSEL Karl-F.	41	ORONTEC GmbH & Co. KG	Germany	Monday	Promenoir	Measuring & Testing
DONG Qian	35	DNV	Norway	Monday	Promenoir	Measuring & Testing
DOS SANTOS Helena	53	DYNEA AS	Norway	Monday	Trésorier	Biobased Solutions
DZIKI Sebastian	64	BORCHERS GmbH	Germany	Tuesday	Benoît 12	Wood as Substrate
EGGERT Christoph	54	COVESTRO DEUTSCHLAND AG	Germany	Tuesday	Trésorier	Biobased Solutions
ESTEVA Hugo	93	IMERYS	France	Wednesday	Promenoir	Building Materials
FAN Xin	107	ZURICH U. OF APPLIED SCIENCES	Switzerland	Wednesday	Promenoir	Advances in Sciences
FERNANDO Raymond	76	CALIFORNIA POLYTECHNIC STATE U.	USA	Tuesday	Benoît 12	Building Materials
GEDAN-SMOLKA M.	71	IPF DRESDEN	Germany	Tuesday	Trésorier	Corrosion Protection
GHOORBANI Fateme	90	ALVAN PAINT & RESIN MANUFACTURER	Iran	Tuesday	Benoît 12	Building Materials
GRUNLAN Jaime C.	62	TEXAS UNIVERSITY	USA	Tuesday	Benoît 12	Plenary Lecture
KARAVAYEV Taras	105	STATE U. OF TRADE AND ECONOMICS	Ukraine	Tuesday	Trésorier	Biobased Solutions
KERRACHE Alban	59	CENTRALE LILLE INSTITUT UCES	France	Monday	Benoît 12	Smart Coatings

LIST OF SPEAKERS

KOLAR Martin	58	UNIVERSITY OF PARDUBICE	Czech Republic	Tuesday	Trésorier	Biobased Solutions
KRIEGER Stephan	55	CELANESE	Germany	Wednesday	Trésorier	Sustainability
KRZOSA Radoslaw	99	WARSAW INSTITUTE OF TECHNOLOGY	Poland	Tuesday	Promenoir	Measuring & Testing
LANGER Ewa	78	LUKASIEWICZ RESEARCH NETWORK	Poland	Tuesday	Promenoir	Measuring & Testing
LEBEAU Adrien	60	U. LILLE- AIRBUS CENTRAL R&T	France	Monday	Benoît 12	Advances in Processing
LEMAIRE Marc	102	U. CLAUDE BERNARD LYON 1	France	Wednesday	Trésorier	Sustainability
LEVCHENKO Vladimir	36	DYNEA AS	Norway	Monday	Trésorier	Formulations
LOTTIER Simon	74	ARKEMA	France	Tuesday	Promenoir	Measuring & Testing
LUNDSTEN Gun	50	CH-POLYMERS OY	Finland	Monday	Trésorier	Biobased Solutions
MACHOTOVA Jana	39	UNIVERSITY OF PARDUBICE	Czech Republic	Tuesday	Promenoir	Advances in Sciences
MALAVOLTI Marino	84	VINAVIL	Italy	Tuesday	Promenoir	Advances in Sciences
MARDANI Shiba	7	INST. FOR COLOR SCIENCE & TECHNOLOGY	Iran	Monday	Trésorier	Corrosion Protection
MARTIN Ian	97	FIRST GRAPHENE	United Kingdom	Wednesday	Promenoir	Building Materials
MATAYI Trevor	124	ORR & BOSS CONSULTING	United Kingdom	Tuesday	Trésorier	Coatings Market
MORIWAKI Yuya	8	KYOEISHA CHEMICAL CO. LTD	Japan	Monday	Promenoir	Advances in Sciences
MOSTOFI SARKARI N.	9	KU LEUVEN	Belgium	Monday	Promenoir	Advances in Sciences
MÜLLENEISEN Jörg	63	OPTISENSE	Germany	Tuesday	Promenoir	Measuring & Testing
MÜNCH Alexander	51	LEIBNIZ INSTITUTE OF POLYMERS	Germany	Monday	Benoît 12	Smart Coatings
MUTLU Mirac	56	FORD OTOSAN	Turkey	Monday	Trésorier	Corrosion Protection
MYLVAGANAM Sinthuya	10	SYENSQO	France	Wednesday	Trésorier	Formulations
NANCEY Pierre-Marie	110	UNIVERSITY OF TOULON	France	Tuesday	Benoît 12	Building Materials
NOURY Larissa	23	COLOUR-SPACE-CULTURE	France	Wednesday	Benoît 12	Plenary Lecture
PAULUS Wolfgang	11	BASF SE	Germany	Monday	Promenoir	Advances in Sciences
PETERS Oliver	24	EVONIK COATING ADDITIVES	Germany	Monday	Promenoir	Building Materials
PIERLOT Christel	12	CENTRALE LILLE INSTITUT UCES	France	Wednesday	Benoît 12	Plenary Lecture
PODGORSKI Laurence	44	FCBA BORDEAUX	France	Tuesday	Benoît 12	Wood as Substrate
POELMAN Mireille	87	MATERIA NOVA	Belgium	Wednesday	Trésorier	Sustainability
POJNAR Katarzyna	121	RZESZOW UNIVERSITY OF TECHNOLOGY	Poland	Tuesday	Promenoir	Advances in Sciences
RAYCHA Yash	66	UNIVERSITY OF PARDUBICE	Czech Republic	Tuesday	Trésorier	Corrosion Protection
REIAN Gard	14	JOTUN	Norway	Wednesday	Promenoir	Advances in Sciences
REINARTZ Roger	27	EVONIK OPERATIONS GmbH	Germany	Tuesday	Promenoir	Advances in Sciences
RHAZALI Sophia	116	ECOAT	France	Monday	Benoît 12	Advances in Processing
SAUER Christopher	37	BASF SE	Germany	Monday	Benoît 12	Advances in Processing

LIST OF SPEAKERS

SAUVAN Nancy	88	FIPEC	France	Wednesday	Trésorier	Formulations
SCHEERDER Jurgen	15	COVESTRO	Netherlands	Wednesday	Promenoir	Advances in Processing
SECHER Maurille	94	SYNTHOMER	France	Wednesday	Promenoir	Building Materials
SERAFIN Daria	70	WARSAW INSTITUTE OF TECHNOLOGY	Poland	Tuesday	Trésorier	Corrosion Protection
SEVENO David	33	KU LEUVEN	Belgium	Monday	Promenoir	Measuring & Testing
SLOOT Tim Frederic	38	EVONIK OPERATIONS GmbH	Germany	Tuesday	Benoît 12	Carbon Foot Print
STALMACH Ulf	42	ORONTEC GmbH & Co. KG	Germany	Monday	Promenoir	Measuring & Testing
STALMACH Ulf	52	ORONTEC GmbH & Co. KG	Germany	Wednesday	Promenoir	Advances in Processing
STREHMEL Bernd	83	NIEDERRHEIN U. OF APPLIED SCIENCES	Germany	Tuesday	Trésorier	Biobased Solutions
STREHMEL Bernd	85	NIEDERRHEIN U. OF APPLIED SCIENCES	Germany	Wednesday	Benoît 12	Colour & Dyes
STRUCK Susanne	26	EVONIK OPERATIONS GmbH	Germany	Wednesday	Benoît 12	Advances in Sciences
SÜTTERLIN Jan	69	COVESTRO DEUTSCHLAND AG	Germany	Monday	Trésorier	Formulations
SUVOROVA Yulii	112	UKRAINIAN STATE U. OF CHEMICAL TECHNOLOGY	Ukraine	Wednesday	Benoît 12	Advances in Sciences
TALBOTIER Gilles	96	GAMMA TECH	France	Tuesday	Promenoir	Advances in Sciences
TIELEMANS Michel	16	ALLNEX	Belgium	Tuesday	Benoît 12	Carbon Foot Print
TOLBOOM Jens	103	UNIVERSITY OF AMSTERDAM	Netherlands	Wednesday	Benoît 12	Advances in Sciences
TRANG Yohann	75	ARKEMA	France	Wednesday	Trésorier	Formulations
TUBARO Erica	108	UNIVERSITY OF UDINE	Italy	Tuesday	Promenoir	Advances in Sciences
TURGUT Hatice	86	DOW CHEMICAL COMPANY	Belgium	Wednesday	Trésorier	Sustainability
TURGUT Hatice	21	DOW CHEMICAL COMPANY	USA	Monday	Promenoir	Building Materials
VAN CASTEREN Ilse	45	COVESTRO	Netherlands	Monday	Benoît 12	Advances in Processing
VAN LINDEN Andre	77	AKZONOBEL	Netherlands	Monday	Benoît 12	Plenary Lecture
VAN WAES Patrick	109	COVATIONBIO PDO	USA	Tuesday	Trésorier	Biobased Solutions
VITALE Marcello	68	IVM CHEMICALS	Italy	Tuesday	Benoît 12	Wood as Substrate
VOLLE Nicolas	92	PIGM'AZUR	France	Wednesday	Benoît 12	Colour & Dyes
WANG Qunying	79	NIEDERRHEIN U. OF APPLIED SCIENCES	Germany	Tuesday	Promenoir	Advances in Sciences
WANNER Matthias	17	FRAUNHOFER IPA	Germany	Wednesday	Benoît 12	Advances in Sciences
WHITE Andy	20	FP-PIGMENTS	Finland	Wednesday	Benoît 12	Colour & Dyes
WHITE Andy	19	FP-PIGMENTS	Finland	Monday	Trésorier	Formulations
WILKENHOENER Uwe	104	KRONOS	Germany	Wednesday	Benoît 12	Advances in Sciences
ZILLI Dario	98	LAWTER EUROPE BV	Belgium	Tuesday	Trésorier	Biobased Solutions

POSTERS

AMIRKABIR UNIVERSITY OF TECHNOLOGY	DEGHANI Emad	Electrospinning of double-layer Polyurethane/ carboxymethyl chitosan sulfate mat	Iran
BYK CHEMIE	WEISS Sebastian	Novel amphiphilic block copolymers as dispersing additives	Germany
GROUPE BERKEM	MESSAOUDI Daouia	Potential of plant polyphenolic extracts from Berkem Biosolutions® as in-can preservatives for paints and coatings	France
IEPCO	FOAD Kazeli Madj	Coating maintenance of infrastructure	Italy
INSTITUTE FOR COLOR SCIENCE AND TECHNOLOGY	ALIYARI Donya	Leveraging a novel mixed-metal organic framework to enhance the corrosion protection potency of polymer coating	Iran
LECHLER SpA	ORTELLI Marzia	Synthesis of bio-inspired high solid hydroxylated acrylic castor oil-modified resin with applications to two-component polyurethane coatings	Italy
LEITAT	CABRER PALOMES Aina	Thermal curing versus machine learning infrared curing system for powder paint industrial coatings	Spain
LEITAT	PALMER Javier	Coatings with embedded microchannels for efficient cooling in electric cells	Spain
LUKASIEWICZ RESEARCH NETWORK	JURCZYK Sebastian	Formulation and characterization of bioactive camouflage paints	Poland
LUKASIEWICZ RESEARCH NETWORK	KAMINSKA-BACH Grazyna	Water-based zinc primers – The dependence of properties on the type of zinc pigment	Poland
LUKASIEWICZ RESEARCH NETWORK	ZUBIELEWICZ Malgorzata	Formulation and characterization of bioactive camouflage paints	Poland
MOMENTIVE	KENSBOCK Philip	New components for functional high-performance coatings	Germany
NANIZE	IWU Kingsley	Rapid curing of PFAS-free, non-stick, low-friction, transparent coatings based on polysilazane	Norway
RZESZOW UNIVERSITY OF TECHNOLOGY	PILCH-PITERA Barbara	Self-healing thermal reversible low-temperature polyurethane powder coatings based on Diels-Alder reaction	Poland
TECHNICAL UNIVERSITY OF MUNICH	SKOPP Amelie	Catalytic bio-hybrid coating-based degradation of haloalkanes in the gasphase	Germany
UNIVERSITY OF PARDUBICE	FOLTYN Tomas	Catalytic activity of vanadium-based drier in air-drying paints	Czech Republic
UNIVERSITY OF TEHRAN	HAFILI Fatemeh	Unveiling the synergistic corrosion protection mechanism of Zn-organic complex pigments	Iran
UNIVERSITY OF TOULON	PERRIN François-Xavier	The role of silica as a reinforcing agent in primer formulations for the adhesion of high consistency silicone rubber on metals	France

LIST OF EXHIBITORS

- ARKEMA France
- COLOR-SPACE-CULTURE France
- EVONIK OPERATIONS Germany
- LABOMAT France
- MICROTRAC FORMULATION France
- ORONTEC Germany
- PRIMIENT COVATION LLC USA
- SILTECH CORPORATION Canada
- SYENSQO France
- XATICO BENELUX Luxembourg
- ZSCHIMMER & SCHWARZ INTERPOLYMER France

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GALA DINNER

Date: Tuesday, September 24, 2024

Time: from 7.00 p.m. to 10.30 p.m.

BIBENDUM welcomes you!

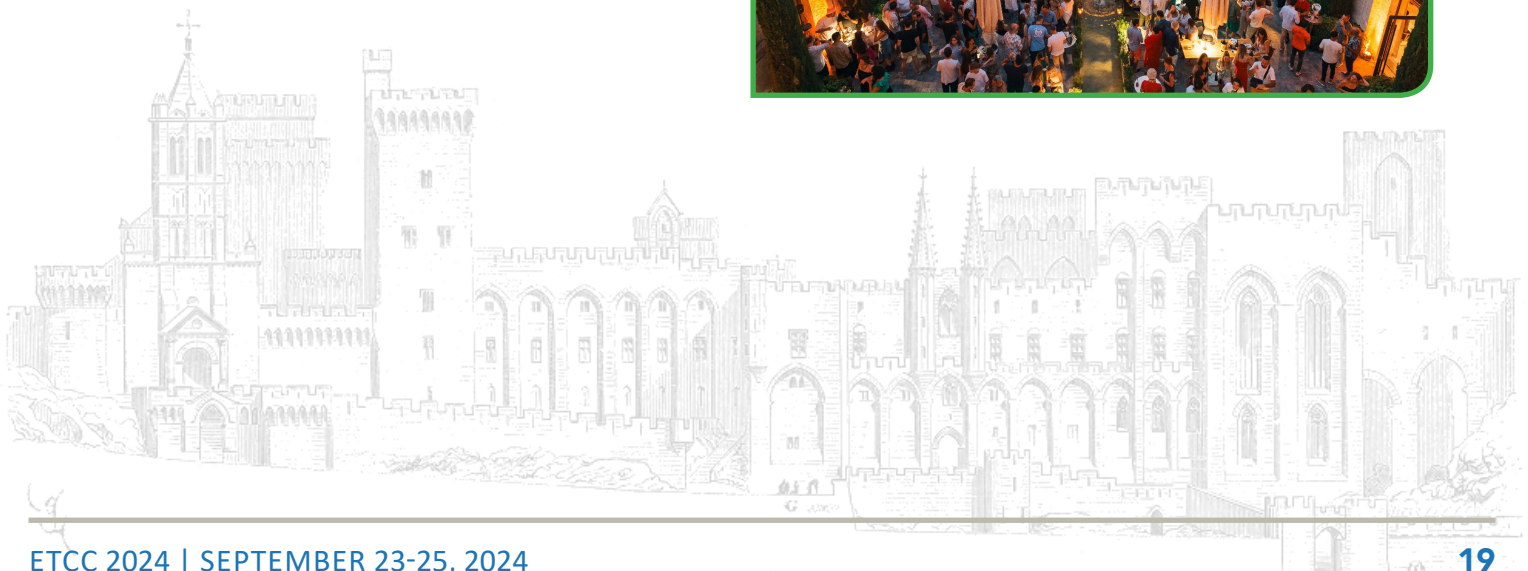
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BIBENDUM

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No special transportation is foreseen for participants.

Dress code: smart casual



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5 Rue Etex - 75018 Paris
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