

Date/Time	Session / Hall	Session Topic / Title of the lecture	Session / Hall	Session Topic / Title of the lecture	Session / Hall	Session Topic / Title of the lecture
30/06/2026 TUESDAY						
09:15 – 09:30	ZENIT	Opening ceremony	<i>Hilt M. (FATIEPEC, President), Navratil T. (Czech Chemical Society, Chair), Capek L. (University of Pardubice, Rector)</i>			
09:30 – 10:15	ZENIT	Plenary presentation Chair: Hilt M.	Pioneering coating solutions: Advanced raw materials and value chain collaboration to tackle industry trends, <i>Reuter E., Evonik Operations GmbH</i>			
10:15 – 11:00 Coffee Break + Poster presentations (Congress Foyer)						
11:00 – 12:30	Session 1 / VIRGO	Coatings for wood Chair: Forsthuber B.	Session 2 / LEO	Sustainability for future paint development, Biobased coatings and raw materials Chair: Langer E.	Session 3 / ZENIT	AI and Digitalisation Chair: Koziel J.
30/06/2026 • TUESDAY	11:00	From material design to coating performance: Pumpable bio-based thixo-tropic alkyd resin for wood protection, <i>Vareckova D., SPOLCHEMIE</i>	11:00	Bio-MPA, a novel unique building block for an unusual combination of properties, <i>Veurink A., Relement BV</i>	11:00	When AI meets reality: Data, models and limitations in coatings machine learning, <i>Schmitz C., Niederrhein University Institute for Coatings and Surface Chemistry</i>
	11:30	Protecting exterior wood with high-performance coating systems, <i>Podgorski L., Technological Institute FCBA</i>	11:30	Development and new application of multifunctional poly(phosphorylcholine) films, <i>Münch A.S., Leibniz-Institut für Polymerforschung Dresden e.V.</i>	11:30	Advancing coatings formulation through AI and data-driven approaches, <i>Schmitter J., IMCD Germany GmbH</i>
	12:00	Fire resistant water-based coating, <i>Tanase-Opedal M., RISE PFI</i>	12:00	Novel polyurethane dispersions meet oxygen barrier coatings, <i>Tielemans M., Allnex</i>	12:00	Faster to the optimal formulation: artificial intelligence in coating development, <i>Stroh D., LabV Intelligent Solutions GmbH</i>
12:30 - 13:30 Lunch						

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13:30 – 15:30	Session 4 / ZENIT	Sustainability for future paint development, Biobased coatings and raw materials Chair: Lemor A.	Session 5 / VIRGO	Pigments, Fillers and Additives Chair: Jehlarova E.	Session 6 / LEO	Safety, Legislation and Regulation Chair: Karavayev T.
30/06/2026 • TUESDAY	13:30	100% Bio-based 1,3-propanediol enables bio-based resins to combine functionality with bio-renewability and carbon footprint reduction, <i>Van Waes P.</i> , Primient Covation LLC	13:30	Study of the effect of new organic pigments with Mg/Zn content on corrosion - inhibition efficiency of epoxy ester coatings, <i>Hrdina R.</i> , Faculty of Chemical Technology, University of Pardubice	13:30	Bridging coatings science and field practice: The critical role of paint inspection, <i>Mahvidi S.</i> , Paint inspector
	14:00	From biocircular raw materials to pure hydrocarbons: applications in coatings, adhesives and sealants, <i>Bauer T.</i> , TotalEnergies Fluids SAS	14:00	Electrically and magnetically activated pigments, <i>Munteanu A.</i> , Centre of Polymer Systems, Tomas Bata University in Zlin	14:00	Synthesis of latexes from vegetable oil-derived monomers through emulsion polymerisation and their coating applications, <i>Amponsah A.</i> , University of Pardubice
	14:30	Synthesis of sustainable unsaturated polyester resins from bio-based thiophene-2,5-dicarboxylic acid, <i>Vsetecka J.</i> , University of Pardubice	14:30	Push-pull dyes for light activatable curing of dark colored alkyd paints, <i>Tolboom J.</i> , University of Amsterdam (Van't Hoff Institute for Molecular Sciences)	14:30	A universal TiO ₂ grade for evolving regulatory requirements, <i>Dhillon S., Rommens J.</i> , Chemours International Operations Sàrl
	15:00	Synthesis and characterization of bio-inspired waterborne hydroxylated acrylic resin with applications to two-component polyurethane coatings, <i>Ortelli M.</i> , Lechler S.p.A. - Insubria University	15:00	PORASPHERES® – The world's first hollow glass spheres for high-performance technical coatings, <i>Weber D.</i> , Poraver	15:00	Novel nanocomposite surface additives for PFAS replacement, <i>Castelberg U.</i> , Micro Powders Inc./KROMACHEM

15:30 – 16:00

Coffee Break + Poster presentations (Congress Foyer)

16:00 – 18:00	Session 7 / LEO	Modelling, Measuring and Testing Chair: Podzimek S.	Session 8 / VIRGO	Pigments, Fillers and Additives Chair: Kalendova A.	Session 9 / ZENIT	Coatings for Corrosion Protection Chair: Hrdina R.
30/06/2026 • TUESDAY	16:00	Alkyd hardness development: a story of unsaturated fatty acid conversion, <i>Bootsma J.</i> , University of Amsterdam	16:00	Vegetable oils as Bio-based option in hydroxyethyl cellulose-based formulated rheology systems for coatings, <i>Slootweg J.A.</i> , Ashland	16:00	Effect of surface preparation on paint durability in crude oil, <i>Prosek T.</i> , University of Chemistry and Technology
	16:30	Polarity-related interaction effects in waterborne film formation, <i>Reis J.S.</i> , Niederrhein University of Applied Sciences	16:30	Always on the bright side, <i>Ismael R.</i> , ARALON COLOR GmbH	16:30	Barrier coatings for the reduction of hydrogen permeation in tank and transport systems, <i>Deissenberger A.</i> , Fraunhofer IFAM
	17:00	Delcor – A LEAN, green method to analyze corrosion test panels, <i>Stalmach U.</i> , ORONTEC GmbH & Co. KG / Smart Paint Factory Alliance e.V.	17:00	Mechanochemical functionalization of biochar for the production of new hydrophobic coatings, <i>Carratù M.</i> , University of Salerno	17:00	Coating systems on AZ91 magnesium alloy based on plasma electrolytic oxidation and powder coating, <i>Florczak Ł.</i> , Faculty of Chemistry, Rzeszow University of Technology
			17:30	Strong, clean, durable: the new pure-acrylic binder for facade coatings, <i>Sühling D.</i> , Synthomer Deutschland GmbH	17:30	Zinc silicate primers as an alternative to zinc thermal sprayed coatings, <i>Denk K.</i> , Pragochema Ltd.

18:00 – 20:00

Networking reception + Poster presentations (Congress Foyer)

Date/Time	Session / Hall	Session Topic / Title of the lecture	Session / Hall	Session Topic / Title of the lecture	Session / Hall	Session Topic / Title of the lecture
01/07/2026 WEDNESDAY						
09:00 – 09:45	ZENIT	Plenary presentation Chair: Hilt M.	Characterization of molecular structure of paint binders using light scattering and related techniques, <i>Podzimek S.</i> , SYNPO Pardubice/University of Pardubice			
09:45 – 09:50	ZENIT	Sponsor talk: MDPI				
10:00 – 11:30	Session 10 / LEO	Coatings for wood Chair: Kalendova A.	Session 11 / VIRGO	Processing, Application Techniques and Advances in Paint Production Chair: Flapper J.	Session 12 / ZENIT	Modelling, Measuring and Testing Chair: Tsaousoglou E.
01/07/2026 • WEDNESDAY	10:00	Sustainable electronics - Printed electronics on wood, <i>Forsthuber B.</i> , Holzforschung Austria	10:00	Mastering surface morphology: Designing ultra-low gloss coatings with enhanced durability, <i>Reuter E.</i> , Evonik Operations GmbH	10:00	Automated corrosivity classification of outdoor atmospheres for coating system selection, <i>Reiser M.</i> , University of Chemistry and Technology in Prague
	10:30	Wood thermal-electrical coupling in flexible bio-derived printed circuit materials, <i>Paul D.</i> , Mendel University in Brno	10:30	Polyallophanate powder coatings with modified lignins as resin component, <i>Gedan-Smolka M.</i> , Leibniz-Institut für Polymerforschung Dresden e.V.	10:30	Electrochemical impedance-based coating quality measurement for life-time prediction of protective coatings, <i>Coolegem G.</i> , C-Cube International
	10:00	Bio renewable reactive diluents for high performance resins and coatings, <i>Lóf D.</i> , PrimientCovation LLC	10:00	Vitrimer-based self-stratifying multilayer coatings for electrochemical applications, <i>Kerrache A.</i> , Université Catholique de Louvain & Université de Lille	10:00	Revealing heterogeneities in waterborne coatings as a function of particle size using operando reflective microscopy, <i>Nair L.S.</i> , TU Delft, Faculty of Aerospace Engineering
11:30 – 12:30 Lunch						
12:30 – 14:30	Session 13 / ZENIT	Sustainability for future paint development, Biobased coatings and raw materials Chair: Machotova J.	Session 14 / VIRGO	Coatings for Corrosion Protection Chair: Prosek T.	Session 15 / LEO	Processing, Application Techniques and Advances in Paint Production Chair: Tiedje O.
01/07/2026 • WEDNESDAY	12:30	From by-product to resource: sustainable coating systems from tree bark for the transport sector, <i>Madi V.</i> , Holzforschung Austria	12:30	Rational design of ZnGa-sebacate/graphene nanoribbon synergy for effective anticorrosive polyurethane coatings, <i>Praveena U.M.</i> , University of Trento	12:30	90% time and energy savings in paint production by highintensity dispersion technology under vacuum, <i>Jacob H.-J.</i> , ystral gmbh
	13:00	Next-generation catalysts: transitioning to safer drying agents, <i>Rodríguez A.L.</i> , Dura Europe	13:00	Novel spherical calcium silicate anti-corrosion pigments for protective coatings, <i>Soeffing C.</i> , Evonik	13:00	How to REALLY make use of AI in the value chain “coatings”, <i>Stalmach U.</i> , ORONTEC GmbH & Co. KG / Smart Paint Factory Alliance e.V.
	13:30	Polyester- and acrylic- based resins for sustainable coatings: an industrial perspective, <i>Ocepek M.</i> , Helios Resins & Atcoat	13:30	Advancing aerospace coating systems: synergizing Cr(VI) substitution with process optimization, <i>Campazzi E.</i> , Airbus Helicopters	13:30	Eliminating tinting steps: The role of AI in modern paint production, <i>Stalmach U.</i> , ORONTEC GmbH & Co. KG / Smart Paint Factory Alliance e.V.
	14:00	Acrylated cardanol as a bio-based building block for UV-curable coatings, <i>Zorko D.</i> , Helios Resins & Atcoat	14:00	Recycled low-carbon circular zinc powders for sustainable zinc-rich coatings and thermal spray repair of galvanized steel, <i>Ludvik J.</i> , COREZINC	14:00	Conductive nanocarbon-based composite coatings for electrothermal ice protection, <i>Sarkari N.M.</i> , KU Leuven
14:30 – 15:00 Coffee Break + Poster presentations (Congress Foyer)						

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15:00 – 16:30	Session 16 / ZENIT	Sustainability for future paint development, Biobased coatings and raw materials Chair: Reuter E.	Session 17 / LEO	Coatings for Corrosion Protection Chair: Prosek T.	Session 18 / VIRGO	Coatings for Construction and Architectural Chair: Vareckova D.
01/07/2026 • WEDNESDAY	15:00	Research into bio-based components in coatings, <i>Bauder C.</i> , Fraunhofer IPA	15:00	Nature-inspired hydrophobic self-healing PDMS coatings via dynamic metal–ligand coordination, <i>Roshan S.</i> , École de technologie supérieure - ÉTS Montréal	15:00	Bio-based 1,3 propanediol as an universal building block for polyester resins, <i>Perrot A.</i> , Synpo a.s.
	15:30	Operational properties of PLA based biopolymer coatings, <i>Karavayev T.</i> , State University of Trade and Economics	15:30	Mechanistic insights into graphene-modified corrosion protective coatings, <i>van der Koelen J.W.</i> , TMC GmbH	15:30	Novel waterborne acrylic binder for 1K fast dry and improved early rain resistance in external thermal insulation composite systems (ETICS), <i>Turgut H.</i> , Dow Europe GmbH
	16:00	Unsaturated polyester resins from poly(ethylene-2,5-furanoate), <i>Foltyn T.</i> , University of Pardubice			16:00	Latexes based on vegetable oil-derived monomers and their facade coating applications, <i>Machotova J.</i> , University of Pardubice, Faculty of Chemical Technology

17:30 – 20:00
19:00 – 22:00

Optional: Sightseeing Tour (Pick-up at the reception desk)
Optional: Gala Dinner (Kaiserstein Palace)

02/07/2026 THURSDAY

09:00 – 09:45

Plenary presentation
Chair: Hilt M.

Detection of production relevant deviations in paint sprays,
Tiedje O.¹, Hecker M.²,

1 Fraunhofer Institute for Manufacturing Engineering and Automation IPA, 2. AOM-Systems GmbH

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10:00 – 11:30	Session 19 / ZENIT	Modelling, Measuring and Testing Chair: Podzimek S.	Session 20 / LEO	Coatings for Corrosion Protection Chair: Kirsch S.	Session 21 / VIRGO	Coatings for Construction and Architectural Chair: Tiemeyer C.
02/07/2026 • THURSDAY	10:00	Unleashing the power of azides – from surface modifiers to adhesion promoters, <i>Winkler M.</i> , Institute of Materials and Process Engineering, School of Engineering, Zurich University of Applied Sciences	10:00	Silicone technologies for enabling UV-cure coil coating systems, <i>Chernyshov D.</i> , Momentive Performance Materials GmbH	10:00	Novel polymer additive for zero VOC architectural paints with improved open time, <i>Wassenius H.</i> , Nouryon Functional Chemicals
	10:30	Towards the curing of sustainable polyester resins, <i>Honzicek J.</i> , University of Pardubice	10:30	Next-Gen insulation: Silicone binders for heat and corrosion resistance, <i>Hrebicik M.</i> , Dow Europe GmbH	10:30	Biobased acrylic polymer binder: Performance, durability, for concrete primer technology, <i>Turgut H.</i> , Dow Europe GmbH
	11:00	Theoretical modelling of an energy-efficient process for the production of advanced speciality inks, <i>Wilewska J.</i> , Faculty of Chemical and Process Engineering Warsaw University of Technology	11:00		11:00	Optimising TiO ₂ and hence the opacity of high PVC architectural paints using composite pigments and opaque polymer focussing on cost and carbon footprint, <i>White J.</i> , FP-Pigments

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11:30 – 12:30 Lunch						
12:30 – 14:00	Session 22 / VIRGO	Coatings for Construction and Architectural Chair: Bekhuis F.	Session 23 / ZENIT	AI and Digitalisation for Coatings Chair: Stalmach U.	Session 24 / LEO	Processing, Application Techniques and Advances in Paint Production Chair: Molnar-Nagy L.
02/07/2026 • THURSDAY	12:30	Field-applied high-durable coatings using Kynar® Aquatec® PVDF emulsion technology, Habrant H., ARKEMA, France	12:30	Photonic drying of coatings in the winding wire industry as a possible replacement for oven techniques, Cirak S., ASTA Energy Solutions AG	12:30	Repair coating of wet and powder coatings – surface derusting using laser technology, Buchbach S., Fraunhofer IFAM
	13:00	From potential to performance: Confirming the mineral advantage in UV-resistant coatings, Esteva H., Imerys	13:00	Unlocking structure-property relationships in UV coatings: a graph neural network approach for interpretable performance prediction, Zhang G., Niederrhein University of Applied Sciences, Institute for Coatings and Surface Chemistry	13:00	PLA-based barrier varnishes for flexible artificial leather, Köhler L., FILK Freiberg Institute gGmbH
	13:30	Advanced resin modifier for enhancing durability of industrial waterborne & solventborne coatings, LaFerriereD., King Industries, Inc.	13:30	How AI use in coatings and adhesives is moving outside R&D to technical services and beyond, Keller S., Citrine Informatics	13:30	Optimizing coating materials and processes for controlled release coated urea (CRCU) fertilizer in fluidized beds: Review of bio-based coating materials and encapsulation methods, Uzoh C.F., Institute of Solid Process Engineering and Particle Technology
14:00 – 14:15 Coffee Break (Congress Foyer)						
14:15 – 14:45	ZENIT	Plenary presentation Chair: Hilt M.	Colourful highlights of paint and coating research, Flapper J., Akzo Nobel			
14:45 – 15:15	ZENIT	Closing Ceremony & Awards Presentation				