PROGRAM of ETCC2022 European Technical Coatings Congress

ORAL PRESENTATIONS

12 July 2022

09.00-09.45
PLENARY SESSION K.Kruithof Netherlands
Creating Value through Innovation and Collaboration

09.45-10.30
PLENARY SESSION M.Soucek USA
Advances in Self-Stratified Coatings

10.30-11.00
Coffee Break

11.00-12.30
Parallel SESSION 1
A1.3 M.Sibi USA
Synthesis of Biomass Derived Monomers for Coating and Polymer Applications
B1.1 V.Gutowski Australia
Electroconductive and adhesion-promoting interphases
C1.2 F.Doğan Turkey
Investigation of structural and corrosion properties of pulse electrodoped Ni-B/SWCNT composite coating.

Parallel SESSION 2
A12.3 A.Francis USA
C16.3 B.Münzing China
Innovative Coating Products with Graphene

Parallel SESSION 3
A5.1 G.Gaggero Italy
Thermal properties and application performances of water-based paints containing lignanes
B1.2 H.Bi Denmark
Coating degradation and rust creep assessment - A comparison between a destructive method according to ISO 12944 and selected non-destructive methods.

Parallel SESSION 4
A12.2 A.Schoenlein Germany
Laboratory Weathering with H2O2 Spraying
C17.3 N.Guy France
Design of an acrylate photoinitiator for cataphoresis process.

Parallel SESSION 5
A5.2 G.Delmas France
Surface-controlled waterborne binders for improved HEUR & HASE thickeners efficiency to achieve optimum paints rheological profile
B1.3 I.Willerich Germany
Scratch/Mar, Surface Structure and Rheology Measurements

12.30-13.30
Lunch Break

13.30-15.00
Parallel SESSION 6
A2.1 P.Najmi Iran
Using mixture experimental design to study the effect of epoxidized soybean oil acrylate oligomer on UV cured epoxy acrylate resins
B2.1 B.Liu China
Preparation and application of fluorescent probe enhanced by quantum dots for early corrosion detection at carbon steel/coating interface

A2.2 R.Notthoff-Richter Germany
Comparative investigations of UV curing coatings using LED- versus Hg-lamps
B2.2 A.Franczyk Poland
Synthesis of new organosilicon derivatives for coating applications

A2.3 D.Ehrhardt Belgium
Self-healing UV-curable polymer network layers for photovoltaic applications
C5.2 A.Okele Germany
Silane functional polysiliconates and prepolymers and their coating applications - A novel approach

A2.4 B.Münzing China
Modelling of wetting & dispersing additives
B5.2 E.Langer Poland
Mechanisms of protection by coatings with a reduced content of zinc pigments

A2.5 M.Smiglak Poland
Preparation, Characterization and Microencapsulation of Coconut oil/ Graphene Composite as PCM for Thermal Energy Storage

15.00-15.30
Coffee Break

15.30-17.00
Parallel SESSION 7
A3.1 Y.Nagazi France
A novel method for coatings characterization at high temperature
B3.1 M.Widratt Germany
Graphene-Based Anti-Friction Coatings

A3.2 O.Niede Germany
Paint properties for oversprayfree painting technologies based on drop on demand principles
B3.2 R.Wollrab Slovenia
Novel Polyester Resins for Coil Coatings

A3.3 K.Wojtas Poland
Preparation and application of fluorescent probe enhanced by quantum dots for early corrosion detection at carbon steel/coating interface
C8.1 L.Heinrich Germany
Appraisal of Mathematical Modeling of Alkyd Resin Polycondensation Reactor

A3.4 M.Dahmen Germany
Computational fluid dynamics of particle break-up in a new type of industrial batch homogenizers
B3.3 B.Toirac Spain
Durability and aesthetical properties of acrylic cataphoretic coatings admixed with silica powder and thermochromic pigments

A3.5 M.Halasz-Regen Italy
Graphene-Based Anti-Friction Coatings
C8.2 T.Lys Switzerland
Carelessness in morphology design can affect organic coatings performance

A3.6 M.Vitale Italy
Sustainable binder material for offset printing inks based on lignin: Synthesis, properties, application
B3.4 M.Heinrich Germany
Vacuum Inline Dispersion saves Titanium Dioxide and inducts dust free

A3.7 M.Gedan-Smolka Germany
Vacuum Inline Dispersion saves Titanium Dioxide and inducts dust free

A3.8 R.Krzosa Poland
Synthesis of new organosilicon derivatives for coating applications
B3.5 M.Ebrahimi Iran
Novel Polyester Resins for Coil Coatings

A3.9 M.Dahmen Germany
Computational fluid dynamics of particle break-up in a new type of industrial batch homogenizers
B3.6 M.Ebrahimi Iran
Novel Polyester Resins for Coil Coatings
10.30-11.00

A12.2  S.Govers    Netherlands
Surface segregation of silicon-containing block copolymers in coatings

C11.2  A.Rybak    Poland
Functional coatings for sand printed moulds for casting of electrical insulation in energy distribution systems

C7.2  M.Martinez    Spain
Nanophotonic coatings with omniphilic properties for aerodynamics surfaces

C11.1  M. Topa    Poland
Production of polymer coatings by photopolymerisation using novel, effective photoinitiators and simultaneously colorimetric sensors to control the quality of the process

A11.2  T.Krawczyk    Germany
Characterization of water and electrolyte transports in autophoretic corrosion protection coatings

11.00-12.30

A11.1  N. Taleghani    Iran
The synergic effect of SAPP and sodium molybdate in an organic coating on corrosion resistance of galvanized steel

C7.1  M. Heuer    Germany
More Durability of Coatings by Enhancing Scratch and Abrasion Resistance

C6.3  S. Jurczyk    Poland
Prediction of protective properties of coatings based on glass transition temperature value

A12.3  K. Sobert    Poland
Impact of weather conditions on biocides in paints

A3.2  E. Reuter    Germany
The impact of weather conditions on biocides in paints

A17.2  T. Krawczyk    Germany
Characterization of water and electrolyte transports in autophoretic corrosion protection coatings

12.30-13.30

13.30-14.15

14.15-15.00

Coffee Break

Lunch Break

Poster Presentations

ETCC2022 EXHIBITION SESSIONS available on 12-14 July 2022 within the congress time.

1. J. Boestma     Netherlands
On the development of new Fe-based driers for alkyd curing

2. J. M. Kim     Korea, South
Study on the effect of modifying the coating system to improve the properties of PCM made of high corrosion resistance coated steel sheets

3. M. Zuberbeir   Poland
Anti-graffiti properties depending on the value of the free surface energy of coatings

4. L. Wagner   Germany
Automated characterization of technical surfaces

5. Y. Jung Chi    Taiwan
The Study of Novel Hybrid Stabilizers against Instant Yellowing during Curing, Weathering, and Heat Resistance for Waterborne UV-curable Coatings

6. A. Kalendová  Czech Republic
Formulation of paints containing environmentally friendly pigments modified by conductive polymer salts for anticorrosion protection of metallic substrates

7. G. Gil Araisadjo  Norway
Versatile dispersing agents for waterborne coatings

8. M. Ebrahimzadeh    Iran
Effect of epoxidized soybean oil acrylate oligomer composition on UV-curable epoxy acrylate formulations: experimental design approach

9. T. Popata     Germany
Photoinitiated Radical Polymerization for Generation of High-Crosslinked Layers with Deep Thinlines

10. A. White     Poland
Minimizing TIO2 usage in Coatings systems by accurately measuring Wet Hide : Optimization whilst maintaining Wet Hide Performance

11. A. Strupinsets  Ukraine
Vibration absorbing epoxythane products and coverings of building appointment

12. L. Szpyrko    Hungary
Difficulties in PVC/CPVC based formulations of silicon based coatings

13. J. Kempf    Germany
Novel cellulose-beeswax-lignin composites as coating material for paper packaging

14. C. Castiolo   Chile
Novel wood preservative compounds based on metallic copper nanotechnology. CCA replacement alternative and new coatings for surface protection.

15. S. Wielandt  Poland
Self-stratifying coatings based on Schiff base epoxy resins.

16. L. Mo       Switzerland
Novel Application of Carbohydrate-based System in Coatings

17. A. Mazaeva   Russia
Obtaining microcapsules from polyethyleneacrylate for use in protective coatings obtained by electrodeposition
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ETC2020 Congress Presentation Topics:

A. Advances in Sciences of Paints & Coatings, Adhesives, Construction Materials, Printing Inks and related products
B. Chemical composition, formulations and products specification
C. Polymers and other raw materials range
D. Advances in processing and production