European Coatings Congress
Europe’s leading Congress on Coatings, Inks, Adhesives, Sealants, Construction Chemicals
Nuremberg, Germany, 30 March – 1 April 2009

Programme

Coatings
Printing Inks
Adhesives & Sealants
Construction Chemicals
Production Technology

www.european-coatings-show.com
Science, Technology and Network

Parallel to the European Coatings SHOW, the European Coatings CONGRESS invites the global coatings community to learn about the most recent research results and industrial developments. It again covers the entire range of raw materials and processes for the formulation of coatings, inks, adhesives and construction chemicals. About 160 selected papers in 26 sessions will present scientific and technical insights on how to address today’s challenges of increasing customer and legislative demands for both enhanced coatings performance and greater environmental benefit. Not least, the congress will give you a unique opportunity to meet, swap experiences and network with a selection of experts from all over the world.

Besides technical sessions on coatings development, adhesives and sealants, printing inks, production technology and construction chemicals, the following special sessions will be held:

- For the third time, the highly acclaimed session “Science Today, Coatings Tomorrow” will provide a glimpse into what advanced polymer and material science have in store for the coatings systems of the future.
- There will be two sessions for presenting the latest results of the EU’s AMBIO and NAPOLEON projects. These are collaborative projects by industry and university research teams working on the development of modern high-performance coating systems.

In addition to the main CONGRESS programme, nine exclusive Pre-CONGRESS Tutorial have been set-up, rounding off the event and offering a unique opportunity for an intensive brief update on some of the most important coatings technologies today.

Do not miss this event – See you in Nuremberg!

www.european-coatings-show.com
Monday 30 March 2009
8.30 – 12.00 h  
Pre-CONGRESS Tutorials 1 – 9

11.45 – 12.15 h  
Networking: Light Welcome Lunch

12.15 – 13.30 h  
Plenary Session
Welcome Address
CONGRESS Introduction
European Coatings AWARD
Keynote Presentation

13.30 – 14.00 h  
Networking: Refreshments & Coffee Break

14.00 – 17.30 h  
Parallel Sessions 1 – 6
Session 1:  Science Today – Coatings Tomorrow
Session 2:  Nanotechnology
Session 3:  Powder Coatings
Session 4:  Smart Coatings
Session 5:  EU-Project AMBIO
Session 6:  Protective Coatings

17.00 – 19.00 h  
Full Poster Session

17.30 – 19.00 h  
After Work Party

Tuesday 31 March 2009
9.00 – 12.30 h  
Parallel Sessions 7 – 12
Session 7:  Printing Inks I
Session 8:  Waterborne Systems I
Session 9:  Adhesives & Sealants I
Session 10:  Architectural Coatings I
Session 11:  EU-Project NAPOLEON
Session 12:  Novel Materials

12.30 – 14.00 h  
Networking: Lunch Break & Refreshments

14.00 – 17.30 h  
Parallel Sessions 13 – 18
Session 13:  Printing Inks II
Session 14:  Construction Chemicals
Session 15:  Adhesives & Sealants II
Session 16:  Waterborne Systems II
Session 17:  Polyurethanes
Session 18:  Measuring & Testing

Wednesday 1 April 2009
9.00 – 12.30 h  
Parallel Sessions 19 – 22
Session 19:  Waterborne Protective Coatings
Session 20:  Adhesives & Sealants III
Session 21:  Functional Materials
Session 22:  Pigments

12.30 – 14.00 h  
Networking: Lunch Break & Refreshments

14.00 – 17.30 h  
Parallel Sessions 23 – 26
Session 23:  UV-Technology
Session 24:  Biobased Coatings
Session 25:  Architectural Coatings II
Session 26:  Production Technology

Delegates’ Survey
Drawing on the combined international expertise and market knowledge of both speakers and delegates, an anonymous exclusive survey will be carried through among all participants of the European Coatings CONGRESS, some weeks before the CONGRESS starts. The results of the survey will be presented exclusively during the welcome address at the European Coatings CONGRESS.

Pre-CONGRESS Tutorials
Please note that the Pre-CONGRESS Tutorials and the main CONGRESS are two individual events. Seats are limited at the exclusive tutorials and will be handled on a first come, first serve basis. Pre-registration is absolutely necessary.
Pre-CONGRESS Tutorial 1
Radiation Curing
Dr. Kurt Dietliker, Ciba, CH
Senior Research Fellow
Dr. Katja Studer, Ciba, CH
Head Skill Center Advanced Curing & Protection
This tutorial will focus on the major applications of radiation curing systems today, binder materials that are used in typical radiation curing coatings, and the parameters determining their performance. Other aspects are the most important types of photo initiators, how they work, and how they differ. Another question is which types are usually used for which specific applications and why. The tutorial also wants to find out how free radical and cationic curing mechanisms differ and what the pros and cons of both methods are.

Pre-CONGRESS Tutorial 2
Polyurethanes
Simon Waddington, Dow Europe, CH
C.A.S.E. Market Development Leader Polyurethanes
Ian Rimmer, Huntsman Polyurethanes, GB
Sales Manager (UK & Nordic) for the Adhesives, Coatings & Elastomers division
This tutorial wants to find out the coatings-relevant standard polyisocyanates and their characteristic properties, the characteristic features of polyol components in use for coatings applications and how these components influence the coatings performance. Which combinations are suitable for which applications and why, and what are the specific characteristics in the binder chemistry of 1K and 2K solventborne PUR coatings, 1K and 2K waterborne PUR coatings, UV curing PUR coatings, PUR powder coatings and dual cure systems?

Pre-CONGRESS Tutorial 3
Film Formation
Dr. Joe Keddie, University of Surrey, GB
Reader in the Department of Physics
This tutorial will cover a review of the basic physics at work in heterophase film formation. Furthermore it will give an explanation of the mechanisms of film formation in waterborne coatings and their parameters, a discussion of how material (binder) properties translate into coatings performance properties in this process as well as the role and nature of additives in waterborne clearcoats. There will also be a discussion of the current challenges and limitations for waterborne clearcoat systems.

Pre-CONGRESS Tutorial 4
Easy-to-Clean
Prof. Gijsbertus de With, Eindhoven University of Technology, NL
Laboratory for Materials and Interface Chemistry and Soft Matter Cryo-TEM Research Unit
This tutorial will cover a short review of the physical chemistry of surface tension as well as the requirements for easy-cleanability. The concepts of ultrahydrophobic and ultrahydrophilic easy-to-clean surfaces and concepts for oleophobic surfaces will be dealt with, too. Common test methods of measuring contact angles and surface tensions and other tests to measure easy-cleanability will be approached, followed by a review of easy-to-clean systems in practice and their limitations.

Pre-CONGRESS Tutorial 5
Plastic Coatings
Prof. Guido Wilke, University of Applied Sciences Esslingen, DE
Professor for Polymer Materials
This tutorial will cover the most important plastics substrates, the applications they are typically used in and their coatings-relevant characteristics. Other aspects are the established pre-treatment methods, how they operate and what their pros and cons are as well as the pre-treatment method commonly used for which substrate and why. Further questions: which chemical components are typically used in coatings on plastics and which test methods are commonly applied for coatings on plastics?

Pre-CONGRESS Tutorial 6
Parquet Coatings
Dr. Christof Irle, Bayer MaterialScience, DE
Business Development Dispersions 2K Waterborne Coatings
Dr. Wolfgang Fischer, Bayer MaterialScience, DE
Senior Manager Business Development UV Systems
This tutorial aims to build up (or refresh) your expertise on these systems and explains to you the basic materials and chemistries that are at work in today’s parquet coatings, concerning solventborne, waterborne or UV curing coatings, for both DIY and industrially pre-fabricated systems. Important aspects like the typical buildup of multi-layered parquet coatings systems, binder components and other important raw materials as well as the most important industrial testing methods will be addressed.
Pre-CONGRESS Tutorial 7  8.30 – 12.00 h
Flame Retardants Fundamentals
Dr. Adrian Beard, Clariant Produkte (Deutschland), DE
President of the European Flame Retardant Association
Volker Thewes, Clariant Produkte (Deutschland), DE
Global Technical Manager for intumescent systems

The tutorial will provide you with the details and theoretical background of flame retardancy. Specifically the fundamentals of burning behaviour of different materials, different chemistries of flame retardant mechanisms, fire tests of different scales and for different applications and intumescent coatings as flame retardant or fire resistant coatings will be addressed. The tutorial familiarises you with fire safety regulations and standards. Other important aspects are environmental and legislation issues (e.g. REACH).

Pre-CONGRESS Tutorial 8  8.30 – 12.00 h
Corrosion Fundamentals
Prof. Dr. Robert Akid, Sheffield Hallam University, GB
Director, Center of Corrosion Technology

Details and theoretical background of corrosion processes and anticorrosive techniques are provided during this tutorial. Electrochemistry applied to corrosion will be a main focus. You learn about different corrosion processes and forms as well as how corrosion problems occur. Key coating properties for anticorrosion performance are defined. Last but not least future developments in anticorrosive coatings are addressed.

Pre-CONGRESS Tutorial 9  8.30 – 12.00 h
Fundamentals of Antifouling
Dr. Björn Dahlback, Gothenborg University, SE
Programme Director for the Research Programme Marine Paint
Prof. Magnus Nydén, Chalmers University of Technology, SE
Leader of the project “Paint Formulation Chemistry” within the Marine Paint programme.

This tutorial offers you a detailed scientific background of marine biofouling and how to face it. Learn about causes and mechanisms of marine biofouling, fouling organisms, different antifouling concepts and their performance. Alternatives to TBT are presented as well as options how to optimize release paints. Further you get a glimpse into future developments of marine coatings during this intense tutorial.

Plenary Session

What’s smart, thin and green?
Coatings of tomorrow!
Dr. Graeme Armstrong, Director Research, Development & Innovation, Akzo Nobel, GB

One thing is certain about developments in the coatings industry over the next ten years – the pace of innovation will increase, and it will arise not just from research & development, but also from marketing and supply chain approaches. The consolidation of the industry towards fewer, but much larger coating suppliers, coupled with the increasing trend towards global rather than local and regional product ranges will lead to the further development of formulation science. The need for improved eco-efficiency in the coatings industry and the advent of cradle-to-grave approaches will require much closer co-operation within the entire supply-chain.

Resin technology challenges beyond 2010
Dr. Dirk Mestach, Research and Development Manager for the Decorative and Industrial Resins business (Europe, Middle East and Africa), Nuplex Resins BV, NL

During the last decade most resin manufacturing companies have focused their R&D resources to make sure that they could offer binders that allowed their customers to formulate coatings that were meeting the requirements of the European 2010 VOC directive. Now that we are approaching 2010 rapidly it is time to look at the new challenges that the coatings industry is facing and the technological solutions that may be used to meet these demands. One of the main concerns for the next decades is the availability of sustainable raw materials for resin production. Eco-friendly resins that are (partially) derived from renewable bio resources may be an answer to this challenge.
Session 1  
14.00 – 17.30 h  
Science Today, Coatings Tomorrow  
Chair: Prof. D. Claus Eisenbach, Research Institute for Pigments and Coatings, DE  
A continuous source for innovations in coatings technology is fundamental research in materials science, particularly in polymer science. This is easily understood, considering that the binder in a coating is a macromolecular material, and that a coatings formulation as well as the coating itself is a polymer composite system. In this special session globally renowned academic polymer materials scientists share their recent research results with the coatings community, and present their visions, i.e., how this knowledge could open up future technologies of organic coatings.

1.1  
14.00 – 14.30 h  
Polyester, polyamide, and polyimide nanoparticles prepared in the miniemulsion process  
Prof. Dr. Katharina Landfester, University of Ulm, DE  

1.2  
14.30 – 15.00 h  
Through thick and thin – Classical and new telechelic polymers in aqueous solution  
Prof. Dr. Martien Cohen-Stuart, Wageningen University, NL  

1.3  
15.00 – 15.30 h  
Polyelectrolyte brush layers in the presence of multi-valent ions  
Prof. Dr. Matthew Tirrell, University of California, US  

15.30 – 16.00 h  
Networking: Refreshments & Coffee Break  

1.4  
16.00 – 16.30 h  
Molecular architecture and controlled surface topography  
Prof. Dr. Anders Hult, KTH Royal Institute of Technology, SE  

1.5  
16.30 – 17.00 h  
Wetting of polymer-coated surfaces  
Prof. Dr. Jürgen Rühe, University of Freiburg, DE  

1.6  
17.00 – 17.30 h  
Towards “everlasting” functional coatings  
Prof. Dr. Matthias Rehahn, Technical University Darmstadt, DE  

Session 2  
14.00 – 17.30 h  
Nanotechnology  
Chair: Pascal Verbiest, Umicore, BE  
Nanotechnology is still a controversial term in material development, dividing the coatings industry into enthusiastic supporters and sceptics. Nevertheless a lot of research is being done in order to obtain functional and high performance coatings, as this session shows. Scientific approaches make use of functionalised sols, hybrid organic and inorganic materials, solvent-free supramolecular liquids, alternating anhydride reactive fluoro-comb polymers, dispersing carbon nano-tubes or nanoparticles.

2.1  
14.00 – 14.30 h  
Functionalized sols for industrial applications  
Dr. Harald Lutz, CHT, DE  

2.2  
14.30 – 15.00 h  
Hybrid organic/inorganic materials obtained through a dual-cure process for high performance coatings  
Prof. Giulio Malucelli, Politecnico di Torino, IT  

2.3  
15.00 – 15.30 h  
Solvent-free supramolecular liquids for novel resins and applications  
Prof. John Texter, Eastern Michigan University, US  

15.30 – 16.00 h  
Networking: Refreshments & Coffee Break  

2.4  
16.00 – 16.30 h  
Novel nanocomposite coatings for fabrication of super hydro- and oleophobic surfaces  
Nikolai Belov, RWTH Aachen, DE  

2.5  
16.30 – 17.00 h  
Dispersing carbon nano tubes – a challenge on the way to functional coatings  
Dr. Michael Berkei, BYK-Chemie GmbH, DE  

2.6  
17.00 – 17.30 h  
Using nanoparticles as dispersants for microparticles  
Michael Diebold, DuPont, US  

Session 3  
14.00 – 17.30 h  
Powder Coatings  
Chair: Dr. Gerd Löhden, Evonik Degussa, DE  
Powder coating is still an up-to-date technology. Its materials can provide high-quality, durable, corrosion-resistant coatings. Powder coatings have many advantages over other coating processes like zero/near zero VOC emissions, even though there are limitations to the technology. In this session an alternative to fluorine-based hyperdurable powder coatings will be looked at. Other topics are polyester powder resins for corrosion protection and new powder coating resins for superior matte finishes.

3.1  
14.00 – 14.30 h  
Early results in the quest for an alternative to fluorine-based hyperdurable powder coatings  
Dr. Luc Moens, Cytec Surface Specialties, BE  

3.2  
14.30 – 15.00 h  
Polyester powder resins for excellent corrosion protection  
Dr. Paul Vercoulen, DSM Powder Coating Resins, NL  

3.3  
15.00 – 15.30 h  
Rheokinetic modeling of epoxy powder coatings  
Dr. Fabio Aguirre, Dow Coating Solutions, US  

15.30 – 16.00 h  
Networking: Refreshments & Coffee Break  

3.4  
16.00 – 16.30 h  
Thermosetting polyamide resins for low temperature cure powder coatings  
Marcel Schutte, DSM Powder Coating Resins, NL  

3.5  
16.30 – 17.00 h  
New powder coating resins for superior matte finishes  
Dietmar Fink, Cytec Surface Specialties, DE  

3.6  
17.00 – 17.30 h  
Solutions for dye ink sublimation on powder coated metal substrates  
Manuela Buongiovanni, Hexion Specialty Chemicals, IT
Session 4  14.00 – 18.00 h
Smart Coatings
Chair: Dr. Anders Larsson, Ytkemiska Institutet AB, SE
Smart coatings are often referred to as structured coatings which provide additional benefits by giving an appropriate response to outside conditions. Much talked about are self-healing or super hydrophobic and hydrophilic coatings, to name only a few. More examples will be given in this session, comprising self-healing coatings as well as superprimers from stimuli-responsive nanolatexes and thermoresponsive pigmented coatings. Other interesting developments are anti fingerprint and anti ice coatings.

4.1  14.00 – 14.30 h
Self-healing coatings – new technology developments
Dr. Sudhakar Balijepalli, Dow Chemical Company, US

4.2  14.30 – 15.00 h
Development of self-healing elastomeric coatings
Gerald Wilson, Autonomic Materials, US

4.3  15.00 – 15.30 h
Superprimers from stimuli-responsive nanolatexes
Prof. John Texter, Eastern Michigan University, US

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

4.4  16.00 – 16.30 h
Thermoresponsive pigmented coating exhibiting superhydrophobicity and superhydrophilicity
Girish Mirchandani, Asian Paints, IN

4.5  16.30 – 17.00 h
Photocatalytic active transparent coatings on metal substrates
Anna Kotnis, ArcelorMittal, BE

4.6  17.00 – 17.30 h
Advances in anti fingerprint coatings
Steven Block, Dow Corning Corporation, US

4.7  17.30 – 18.00 h
Progress in anti-ice technologies – coatings concepts and evaluation
Nadine Rehfeld, Fraunhofer Institute for Manufacturing Technology and Applied Materials Research, DE

Session 5  14.00 – 18.00 h
EU-Project AMBIO
Chair: Prof. James Callow, University of Birmingham, GB
AMBIO stands for “Advanced Nanostructured Surfaces for the Control of Biofouling”. The aim of this EU-project is to study and develop different nanostructured surfaces in order to avoid the adhesion of marine fouling organisms. This session will start with an overview of the project. Speakers will then address nanostructured-surface coatings of amphiphilic fluorinated block copolymers for fouling release application and field testing of non-biocidal antifouling nanotechnologies among other subjects.

5.1  14.00 – 14.30 h
An overview of the AMBIO project
Prof. J.A. Callow, University of Birmingham, GB

5.2  14.30 – 15.00 h
Nanostructured-surface coatings of amphiphilic fluorinated block copolymers for fouling release applications
Elisa Martinelli, University of Pisa, IT

5.3  15.00 – 15.30 h
Carbon nanotubes: multi-functional and high performance products review and trends for their applications
Michael Claes, Nanocyl SA, BE

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

5.4  16.00 – 16.30 h
Novel nanostructured fouling release coatings based on nanocomposite sol-gel coating systems
Corné Rentrop, TNO Science and Industry, NL

5.5  16.30 – 17.00 h
Industrial biofouling – importance of material characterisation
Wolfgang Schrepp, BASF SE, DE

5.6  17.00 – 17.30 h
Bioactive polymer nano-coatings to prevent marine biofouling
Carsten Werner, Leibniz Institute of Polymer Research Dresden, DE

5.7  17.30 – 18.00 h
Formulation and field testing of non-biocidal antifouling nanotechnologies
David Williams, International Paints Akzo Nobel, US

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

6.1  16.00 – 16.30 h
Hybrid sol-gel corrosion inhibitors: a novel approach to corrosion inhibitors for coatings
Dr. Tony Gichuhi, Halox, US

6.2  16.30 – 17.00 h
Self-healing corrosion protection through sol-gel technology
Dr. Luca Prezzi, SAFE Marine Nanotechnologies, IT

6.3  17.00 – 17.30 h
Outdoor and accelerated testing of Mg-rich primers for the totally chromate-free corrosion protection of aerospace alloys
Dr. Dante Battocchi, North Dakota State University, US
Session 7  9.00 – 13.00 h

Printing Inks I
Chair: Dr. Jack Baarends, Hexion Specialty Chemicals, BE
The printing inks industry generates innovative solutions especially for packaging and advertisement materials. As this session displays, these products are undergoing constant development. Examples are new materials for curable ink jet inks, waterbased binders for flexible packaging inks and solvents for printing inks. A fast growing segment, UV and EB technology offers a lot of advantages for the coatings industry. Process requirements will be discussed as well as new technologies for information displays.

7.1  9.00 – 9.30 h
Legislative considerations for food contact coatings
Dr. Rob Veraat, Keller and Heckman, BE

7.2  9.30 – 10.00 h
New materials for radiation curable ink jet inks
Sebastien Villeneuve, Ciba Specialty Chemicals, CH

7.3  10.00 – 10.30 h
Next generation of waterbased binders for flexible packaging inks
Steven Zijlstra, BASF Nederland, NL

10.30 – 11.00 h
Networking: Refreshments & Coffee Break

7.4  11.00 – 11.30 h
Solvents: Character counts
Jos de Wit, Eastman Chemical, US

7.5  11.30 – 12.00 h
Developing a temperature control system for coatings in the printing industry
Jann Neumann, Technical University Darmstadt, DE

7.6  12.00 – 12.30 h
New technologies and trends for information displays
Dr. Gerald Engel, Clarient International, DE

7.7  12.30 – 13.00 h
UV and EB technology in all printing processes – requirements
Dr. Bernhard Küter, Institution for statutory accident insurance and prevention in the printing and paper processing industry, DE

Printing Ink Committee: Ulrich Ott, Clarient, CH
Dr. Erich Frank, Flint Group, DE
Kirsten Wrede, Vincentz Network, DE

Session 8  9.00 – 12.00 h

Waterborne Systems I
Chair: Dr. Jurgen Scheerder, DSM NeoResins+, NL
Thanks to its VOC-free or VOC-reduced character, waterborne coating is a fast developing technology. In many applications, waterborne coating systems have become the standard solution, replacing their solventborne counterparts. The first session on waterborne systems picks up new materials-based developments like polymer dispersions for metal coatings, fluoropolymer latex hybrids for ultra-low water sensitivity coatings and environmentally friendly fluoropolymer dispersions for coatings.

8.1  9.00 – 9.30 h
New polymer dispersions for metal coatings
Dr. Robin Harrison, Synthomer, GB

8.2  9.30 – 10.00 h
Designing fluoropolymer latex hybrids for ultra-low water sensitivity coatings
Dr. Kurt Wood, Arkema, US

8.3  10.00 – 10.30 h
Environmentally friendly fluoropolymer dispersions for coatings
Dr. Tiziana Poggio, Solvay Solexis, IT

10.30 – 11.00 h
Networking: Refreshments & Coffee Break

8.4  11.00 – 11.30 h
Phase separation in alkyd/ acrylic hybrids and blends for waterborne binders
Dr. Carolina de las Heras Alarcón, University of Surrey, GB

8.5  11.30 – 12.00 h
Modifying the effects of water on aqueous-based coatings of exterior wood surfaces and enhancing secondary properties in OEM wood coatings
Jim Stephens, Michelman, LU

Session 9  9.00 – 13.00 h

Adhesives & Sealants I
Chair: Stefan Hinterwaldner, Hinterwaldner Consulting, DE
Starting with an overview of drivers of the global adhesives business the focus of this session lies on new developments and innovations of pressure sensitive adhesives (PSA). Different applications, including medical applications and direct usage on complex geometries will be addressed as well as new binder technologies. Additionally the principle of nanotechnology in PSA will be presented just as developments in waterborne systems.

9.1  9.00 – 9.30 h
Drivers of growth for the worldwide adhesives business
Dr. Jürgen Wegner, ChemQuest Europe, DE

9.2  9.30 – 10.00 h
Nanotechnology inside for pressure-sensitive adhesives: How does it work?
Costantino Creton, ESPCI, FR

9.3  10.00 – 10.30 h
Acrylic pressure-sensitive adhesives with post-crosslinking potential
Dr. Roland Milker, Dr. Milker Firmengruppe, DE

10.30 – 11.00 h
Networking: Refreshments & Coffee Break

9.4  11.00 – 11.30 h
Novel pressure-sensitive adhesives for medical applications
Dr. Jagrjaj Sidhu, Ashland, GB

9.5  11.30 – 12.00 h
Direct application of PSAs on complex geometries
Thomas Frauenhofer, ISF Welding, Aachen University, DE

9.6  12.00 – 12.30 h
Mechanical and adhesive properties of nanostructured waterborne pressure-sensitive adhesive films
Costantino Creton, ESPCI, FR

9.7  12.30 – 13.00 h
Formulations and compounding of butyl rubber and EPDM rubber sealants
Shrikant Athavale, Focus Air Conditioning, IN
Session 10  9.00 – 12.30 h
Architectural Coatings I
Chair: David Sykes, Paint Research Association, GB

For architectural coatings specific regulatory VOC limits have been set in order to reduce emissions from these materials. The paint industry is currently adopting new technologies and reformulating its products to meet these tightening regulations. A lot of formulators are developing waterborne technologies for architectural coatings, as can be seen in this session. Several lectures are addressing environmental concerns, offering waterborne solutions for the formulation of architectural coatings.

10.1  9.00 – 9.30 h
Formulating architectural coatings to meet environmental concerns
Michael Kaufman, Dow Chemical, US

10.2  9.30 – 10.00 h
Advanced technologies for the formulation of higher performance waterborne masonry coatings with lower environmental impact
Dr. Marie Noyale Bleuzen, Rohm and Haas, FR

10.3  10.00 – 10.30 h
New developments in vinylacetate ethylene copolymers for use in architectural coatings
Dr. Kerstin Gohr, Celanese Emulsions, DE

10.4  10.30 – 11.00 h
Networking: Refreshments & Coffee Break

10.5  11.00 – 11.30 h
Next generation binders for waterborne paints with solvent based appearance: Improved body and gloss
Dr. Pablo Steenwinkel, DSM NeoResins+, NL

10.6  11.30 – 12.00 h
Solutions to formulating low VOC water based gloss trim paints using binders with structured particle morphology
Joseph Brown, Dow Europe, CH

10.7  12.00 – 12.30 h
New developments on open time resins for waterborne decorative coatings
Dr. Jaap Akkerman, Nuplex Resins BV, NL

Session 11  9.00 – 12.30 h
EU-Project NAPOLEON
Chair: Dr. Wolf-Dieter Hergeth, Wacker Chemie, DE

NAPOLEON is the abbreviation for “NAnostructured Waterborne POLymEr Films with OutstaNdInG Properties”. The objective of this industry-led project is to create a generation of new products by developing a technology platform to produce films with controlled nanostructure without organic solvent or residual monomer. The idea is to use waterborne nanocomposite nanoparticles with carefully controlled structure as building blocks for the films. This session presents the advances that have been made so far.

11.1  9.00 – 9.30 h
Industrial perspectives on nanocomposites for coating applications
Dr. Dirk Mestach, Nuplex Resins, NL

11.2  9.30 – 10.00 h
Advances in miniemulsion polymerisation
Dr. Katharina Landfester, University of Ulm, DE

11.3  10.00 – 10.30 h
Controlling polymer architecture and particle morphology of alkyd/acylic waterborne nanocomposite coatings
Dr. Joesé M. Asua, University of Basque Country, ES

11.4  10.30 – 11.00 h
Networking: Refreshments & Coffee Break

11.5  11.00 – 11.30 h
Acrylic/clay nanocomposite latexes for coating and adhesive applications
Elodie Bourgeat-Lami, Université de Lyon, FR

11.6  11.30 – 12.00 h
Design of waterborne polymer/clay nanocomposites for desired mechanical properties
Dr. Laurent Chazeau, INSA Lyon, FR

11.7  12.00 – 12.30 h
Understanding the film formation of waterborne nanocomposite coatings
Prof. Joseph Keddie, University of Surrey, GB

Session 12  9.00 – 12.30 h
Novel Materials
Chair: Dr. Janos Hajas, Byk Chemie, DE

Raw materials suppliers and research institutes are in constant search for innovative products and technologies that offer new opportunities for the design and improvement of coatings systems. This session gives an overview of new materials like coalescing agents for low VOC paints, iron based paint and ink driers, polymeric dispersing agents for inorganic pigments or easy-to-disperse pigment preparations in granule form for waterborne coating applications, offering a nice cross section of new developments.

12.1  9.00 – 9.30 h
A family of new coalescing agent for the development of low VOC paints
Jose Ruiz, Rhodia, US

12.2  9.30 – 10.00 h
Novel iron based paint and ink driers
Dr. Hugh Gibbs, OMG, GB

12.3  10.00 – 10.30 h
Light stabilization toolbox – tuneable protection from UV to near visible
Dr. Braig Adalbert, Ciba, CH

12.4  10.30 – 11.00 h
Networking: Refreshments & Coffee Break

12.5  11.00 – 11.30 h
New polymeric dispersing agents for inorganic pigments
Hendrik Ahrens, Clariant Produkte, DE

12.6  11.30 – 12.00 h
Easy-to-disperse pigment preparations in granule form for waterborne coating applications
Dr. Christian Götz, Evonik Degussa, DE

12.7  12.00 – 12.30 h
Fit for the surface – Influence of the anchoring groups on the pigment stabilization properties
Stefan Mößmer, Byk Chemie, DE
In the second session on printing inks, environmental aspects of the industry will be discussed first. Further presentations will deal with new materials for printing inks, focusing raw materials for organic pigments, new effect pigments and the global rosin situation. In addition to the materials, technology is an important factor for the industry. In this context two examples will be introduced: a differential maximum bubble pressure technique and fountain solutions for offset printing.

**Session 13**  
14.00 – 17.30 h  
**Printing Inks II**  
Chair: Ulrich Ott, Clariant, CH

**13.1**  
14.00 – 14.30 h  
Going green in inks  
Jack Baarends, Hexion, BE

**13.2**  
14.30 – 15.00 h  
Raw materials for organic pigments: changing environment in highly volatile markets  
Dr. Heinrich Berger, Clariant, CH

**13.3**  
15.00 – 15.30 h  
The global rosin situation  
Walter Jones, Pine Chemicals, US

Networking: Refreshments & Coffee Break  
15.30 – 16.00 h

**13.4**  
16.00 – 16.30 h  
A differential maximum bubble pressure technique  
Victor Janule, Chem-Dyne Research, US

**13.5**  
16.30 – 17.00 h  
New effect pigments for printinng inks  
Véronique Hall-Goulle, Ciba, CH

**13.6**  
17.00 – 17.30 h  
Fountain solutions – Important factor for offset printing  
Dieter Zang, Fujifilm Europe, DE

### Session 14  
14.00 – 17.30 h  
**Construction Chemicals**  
Chair: Ferdinand Leopolder, Drymix, DE

**14.1**  
14.00 – 14.30 h  
Chromate reducers for the mortar industry  
Dr. Dieter Guhl, TIB Chemicals, DE

**14.2**  
14.30 – 15.00 h  
Polyglycol methacrylates – new monomers for concrete superplasticizers  
Oliver Mogck, Clariant Produkte, DE

**14.3**  
15.00 – 15.30 h  
Advantages of ethacryl technology on the concrete formulations  
Dr. David Platel, Coatex, FR

Networking: Refreshments & Coffee Break  
15.30 – 16.00 h

**14.4**  
16.00 – 16.30 h  
High wear resistant solution for flooring systems based on a specific combination of calcium aluminate cement and calcium aluminate as reactive filler  
Pascal Taquet, Kereones Research Center, FR

**14.5**  
16.30 – 17.00 h  
An original, highly redispersible powdery water repellent for cement based materials  
Dr. Mustapha Sari, Hexion Speciality Chemicals, FR

**14.6**  
17.00 – 17.30 h  
Impregnated textile reinforcements for concrete applications  
Dr. Jens Schoene, ISF Welding Aachen University, DE
Session 16 14.00 – 17.30 h
Waterborne Systems II
Chair: Andrew Trapani, Rohm and Haas, FR
Due to the persistent interest in waterborne systems, a second session is dedicated to this innovative coatings technology. In addition to reduced VOC emissions, the benefits of waterborne coatings are reduced risk of fire, less hazardous residues etc. Here a novel polymer composition for waterborne primers with anti-knot bleeding properties, waterborne epoxies for low emission industrial flooring and cross-linkable water soluble polymers for radiation and thermal curing coating systems are introduced.

16.1 14.00 – 14.30 h
The development of a novel polymer composition for use in waterborne primers with excellent anti-knot bleeding properties
Dr. Jurgen Scheerder, DSM NeoResins, NL

16.2 14.30 – 15.00 h
Penetration of nanolatexes into wood and porous substrates
Dr. Antonio Mader, Vinavil, IT

16.3 15.00 – 15.30 h
Novel, cross-linkable water soluble polymers and their application in radiation and thermal curing coating systems
Dr. David Hood, ISP, US

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

16.4 16.00 – 16.30 h
Designed diffusion: a paradigm shift in film formation
Dr. Zhenwen Fu, Rohm and Haas, US

16.5 16.30 – 17.00 h
Waterborne epoxies: a practical, economic solution to low emission industrial floorings
Dr. Stephen Monaghan, Air Products, GB

16.6 17.00 – 17.30 h
Insights into the effectiveness of scratch resistant coatings
Dr. Rolf Nothelfer-Richter, Research Institute for Pigments and Coatings (FPL), DE

Session 17 14.00 – 17.30 h
Polyurethane Technology
Chair: Dr. Christoph Irle, Bayer MaterialScience, DE
Polyurethanes are one of the most versatile classes of organic coatings and usually represent the high-performance range of applications. Research continues unabated to further increase the performance, particularly in view of environmental legislation demands. Thus, this session focuses mainly on research aiming at high-performing 1K and 2K waterborne PUR coatings as well as radiation curing systems.

17.1 14.00 – 14.30 h
Perfect layers: a novel class of waterborne 2 component polyurethane resins
Tijs Nabuurs, DSM NeoResin, NL

17.2 14.30 – 15.00 h
High performance waterborne 2K PU coatings for maintenance of steel buildings
Dr. Thomas Stingl, Bayer MaterialScience, DE

17.3 15.00 – 15.30 h
Nanoparticle-modified coating raw materials for high performance polyurethane coatings
Dr. Arno Nennemann, Bayer MaterialScience, DE

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

17.4 16.00 – 16.30 h
2K waterborne polyurethane coatings for high performance industrial wood furniture application
Felix Baah, BASF, NL

17.5 16.30 – 17.00 h
Synthesis, curing kinetics, and properties of waterborne UV-curable polycarbonate based polyurethane coatings.
Hyeon-Deuk Hwang, Program in Environmental Materials Science, KR

17.6 17.00 – 17.30 h
Polyisocyanate in top-coatings soaking into base-coatings
Yoshiyuki Asahina, Asahikasei Chemicals, JP

Session 18 14.00 – 17.30 h
Measuring & Testing
Chair: Kurt Wood, Arkema, US
Analysing, testing and characterization of raw materials and products are essential in both the development and production of industrial products. The six papers of this session present important studies on weathering and aging of coatings systems for different substrates including plastics as well as analytical investigations of raw materials, discussing new methods and standards for accelerating tests as well as measurements of coatings, composites and their properties.

18.1 14.00 – 14.30 h
Accelerated weathering test of plastics and coatings – New technologies and standardization
Dr. Artur Schönlein, Atlas Material Testing Technology, DE

18.2 14.30 – 15.00 h
Accelerated aging of thermoset coatings below their glass transition temperature
Fabio Aguirre, Dow Coating Solutions, US

18.3 15.00 – 15.30 h
Characterization of interphase adhesion in multi-layer coating systems
Matthias Wanner, Research Institute for Pigments and Coatings (FPL), DE

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

18.4 16.00 – 16.30 h
Analytical investigations on migratable/extractibles/odor in coatings and composites
Corinne Requeta, Sartomer Europe, FR

18.5 16.30 – 17.00 h
Categorizing TiO2 pigments based on fundamental principles
Thomas Hanna, DuPont, GB

18.6 17.00 – 17.30 h
Major advances in the reliable measurement of the color and appearance of special effects
Reinhard Feld, X-Rite, DE
Parallel Sessions

Session 19  9.00 – 12.30 h  
Waterborne Protective Coatings
Chair: Prof. Joe Keddie, University of Surrey, GB
Within the years water-based anticorrosion resins have gone through different stages of evolution. Nevertheless, there is still enough space for further improvements, e.g. in barrier properties, increasing their potential and widening their application spectrum. This session is dedicated to the latest developments in waterborne resin presenting epoxy as well as hybrid systems. Performance of waterborne systems is discussed as well as the use of nanoscaled materials.

19.1  9.00 – 9.30 h
Corrosion resistant properties of waterborne coatings
Dr. Rolf Nothhelfer-Richter, Research Institute for Pigments and Coatings (FPL), DE

19.2  9.30 – 10.00 h
Performance properties of anticorrosive pigments in waterborne primer systems
Dr. Lars Kirmaier, Heubach, DE

19.3  10.00 – 10.30 h
Waterborne epoxy coatings in the marine industry: An option?
Françoise Heine, Hexion Specialty Chemicals, BE

10.30 – 11.00 h
Networking: Refreshments & Coffee Break

19.4  11.00 – 11.30 h
Waterborne one pack epoxy coatings for corrosion protection
Dr. Leila Khatai, Cytec, AT

19.5  11.30 – 12.00 h
New concepts for water-based anticorrosion resins: A step closer towards replacing solvent-borne systems
Dr. Oihana Elizalde, BASF SE

19.6  12.00 – 12.30 h
A novel sol-gel system for non-hazardous and environmentally friendly metal pre-treatment
Dr. Björn Borup, Evonik Industries, DE

Session 20  9.00 – 13.00 h
Adhesives & Sealants III
Chair: Stefan Hinterwaldner, Hinterwaldner Consulting, DE
The third adhesives session is dedicated to new innovations on curing and novel concepts from natural origin, either principles mimicking nature or raw materials from natural resources such as biobased resins. Additionally novelties such as the use of photolatent bases to improve control over the curing process and the development of new additive technologies are discussed as well as the investigation of the curing behaviour of reactive resins.

20.1  9.00 – 9.30 h
Inductive hotmelt adhesives curing – a new approach
Prof. Christian Lammel, Fraunhofer IFF, DE

20.2  9.30 – 10.00 h
Cure monitoring of reactive adhesives
Stephan Knappe, NETZSCH Gerätebau, DE

20.3  10.00 – 10.30 h
Lessons from nature – nanobionics for novel adhesives
Dr. Marius Kölbl, MaterialInnovation, DE

10.30 – 11.00 h
Networking: Refreshments & Coffee Break

20.4  11.00 – 11.30 h
Novel biobased thermo-setting resin
Prof. Jukka Seppälä, Helsinki University of Technology, FI

20.5  11.30 – 12.00 h
How to create new blockbuster technologies?
Melanie Roessing, Evonik Goldschmidt, DE

20.6  12.00 – 12.30 h
New opportunities in adhesives using photolatent bases technology
Benno Blickenstorfer, Clita, CH

20.7  12.30 – 13.00 h
Influence of radiofrequency bonding procedures on the performance of PVAs dispersion adhesives
Dr. Fabio Chiozza, Vinavil, IT

European Coatings AWARD 2009

One highlight of the leading European trade show is the bestowing of the European Coatings AWARD, an exclusively designed trophy accompanied by prize money of EUR 2,000.

The European Coatings JOURNAL donates this special research prize which will be awarded during the opening ceremony of the European Coatings CONGRESS on 30 March 2009. A jury selects the best paper presented at the Congress. The winning paper needs to be scientific, innovative, clearly presented, of far-reaching interest and of industrial relevance. In 2007, the prize went to Dr. Rolf Dersch of BASF SE, Germany.
### Session 22  9.00 – 12.30 h

**Pigments**

Chair: Hans-Dieter Christian, Evonik Degussa, DE

Appearance, colour and “cost to own” are the combining topics of this session which presents new pigments systems, innovative developments considering costs and performance of tinting and pigment systems. The Nano-Particle Halo Effect, a newly recognized means by which a colloid made of micron sized particles can be stabilized against flocculation using highly charged nanoparticles is discussed as well as polyester beads to lower costs.

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<th>Speaker</th>
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<tr>
<td>9.00</td>
<td>Optimizing cost versus performance of TiO2 in coatings</td>
<td>Robert Kwoka, DuPont, US</td>
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<td>9.30</td>
<td>New development considering total costs of ownership of tinting systems</td>
<td>Luc Driessen, Evonik Colortrend BV, NL</td>
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<tr>
<td>10.00</td>
<td>Polyester beads as a partial substitute for titanium dioxide</td>
<td>Jorge Moniz, Resiquimica, PT</td>
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**Networking:**

- Refreshments & Coffee Break
- Functional fillers for coating – surprising insights about the apparently well known Neuburg Siliceous Earth
- A novel system of interference pigments

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### Session 21  9.00 – 12.30 h

**Functional Materials**

Chair: Peter Collins, Paint Research Association, GB

New built-in functionalities are at the forefront of current coatings development. The market potential is immense and new applications areas will open up new vistas. This session is dedicated to materials equipping coatings with functionality. The papers present novelities in the field of using biocides to prevent microbial deterioration in the dried film, the use of silver in antimicrobial systems as well as the use of functional fillers.

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<tr>
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<tr>
<td>9.00</td>
<td>Elemental silver as an antimicrobial agent for the development of novel antimicrobial coatings</td>
<td>Dr. Michael Wagener, Bio-Gate, DE</td>
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<tr>
<td>9.30</td>
<td>The role of diuron as a highly efficient dry-film preservative in view of the biocidal product directive</td>
<td>Dr. Frank Sauer, Lanxess, DE</td>
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<tr>
<td>10.00</td>
<td>Hydrophobic and hydrophilic surfaces via organo-modified polysiloxanes</td>
<td>Guillaume Wojciech Jaunky, Byk Chemie, DE</td>
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**Networking:**

- Refreshments & Coffee Break
- Low oil absorption talc for high solids coatings
- Functional filler oil absorption and lower VOC coatings
- Functional fillers for coating – surprising insights about the apparently well known Neuburg Siliceous Earth

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### After work party

CONGRESS delegates, chairmen and speakers will be able to meet in a relaxed atmosphere straight after the end of the CONGRESS on Monday, 30 March 2009. The After work party of the European Coatings CONGRESS is an ideal opportunity to renew and strengthen contacts, cultivate business relationships, exchange latest news and participate in discussions. This will take place with some refreshments, beer and music.
Session 23  14.00 – 17.30 h
UV-Technology
Chair: Dr. Katia Studer, Ciba, CH
The environmental and economic benefits of radiation curing underlie the growing popularity of this technology – the number of industrial applications keeps expanding as radiation-curing coatings rapidly evolve into high-performance products. The six papers of this session present novel methods, materials and opportunities around UV-Technology, including sol-gel chemistry, UV-inks as well as influences of adhesion of UV-coatings.

23.1  14.00 – 14.30 h
Matting of nanocomposite acrylate coatings using 172 nm excimer irradiation
Prof. Reiner Mehnert, Cetelon Nanotechnik, DE

23.2  14.30 – 15.00 h
UV cured organic-inorganic coatings combining sol-gel chemistry and cationic photopolymerization
Prof. Celine Croutxé-Barghorn, University of Haute Alsace, FR

23.3  15.00 – 15.30 h
Next generation UV curing devices for commercial and residential coatings
Dr. Alex Schreiner, Schreiner & Associates, US

23.4  15.30 – 16.00 h
Networking: Refreshments & Coffee Break

23.5  16.00 – 16.30 h
Overcoming the oxygen inhibition in free radical photopolymerization: new methods for new opportunities
Prof. Xavier Allonas, University of Haute Alsace, FR

23.6  16.30 – 17.00 h
How to tackle pigment dispersion in UV curing inks
Hélène Dulongpont, Sartomer Europe, FR

23.7  17.00 – 17.30 h
Influencing the adhesion of UV-coatings on corona treated polyethylene
Dr. Katharina Kugele, Research Institute for Pigments and Coatings (FPL), DE

Session 24  14.00 – 17.30 h
Biobased Coatings
Chair: Dr. Sonja Schulte, Vincentz Network, DE
Booming energy prices coupled with rising awareness for climate change, CO2 footprinting, material, resource, and energy efficiency are challenging the coatings industry. Use of renewable resources is one option to face this challenge. This session provides examples on what the coatings industry has in store for this increasingly important issue, for instance biobased additives, powder coatings, dispersions and adhesives.

24.1  14.00 – 14.30 h
Green additives and performance – A contradiction?
Heinz-Günther Schulte, Cognis, DE

24.2  14.30 – 15.00 h
Leveraging fundamental structure-property relationships to develop solutions for compliant coating systems
Deepanjan Bhattacharya, Eastman Chemical, US

24.3  15.00 – 15.30 h
Toughening of epoxy coating systems with novel biobased materials
Erwin Honcoop, Croda, NL

24.4  15.30 – 16.00 h
Networking: Refreshments & Coffee Break

24.5  16.00 – 16.30 h
Bio-based powder coatings
Donato di Lorenzo, Hexion Speciality Chemicals, IT

24.6  16.30 – 17.00 h
High performance waterborne polyurethane dispersions based on natural oil polyols for wood coating applications
Dr. Suresh Subramonian, Dow Coating Solutions, US

24.7  17.00 – 17.30 h
Novel amine-functional dimer technology allowing new chemistry for sustainable coatings and adhesives
Dr. Angela Smits, Croda, NL

Session 25  14.00 – 17.30 h
Architectural Coatings II
Chair: Dr. Kerstin Gohr, Celanese Emulsion, DE
Nowadays the coating formulator is faced with major reformulation challenges to create coatings that minimize the impact on the environment and yet also meet important performance requirements. The second architectural coatings session discusses improved materials such as surfactants and amino alcohols enabling the formulation of environmentally friendly paints. Another focus lies on coatings with improved performance and functionality.

25.1  14.00 – 14.30 h
A newly introduced, low odor, amino alcohol that helps enabling architectural paint producers to meet 2010 VOC requirements
Dr. Paul Macefield, Dow Europe, CH

25.2  14.30 – 15.00 h
Next generation opaque polymer technology and its application to alkyd paints
Alain Garzon, Rohm and Haas, FR

25.3  15.00 – 15.30 h
Strategies to minimise soiling and biofouling of exterior coatings
Dr. Anders Larsson, YKI, Ytkemiska Institutet AB, SE

25.4  15.30 – 16.00 h
Networking: Refreshments & Coffee Break

25.5  16.00 – 16.30 h
Next generation environmentally friendly surfactants for architectural paint applications
Dr. Luis Madrigal, Dow Europe, DE

25.6  16.30 – 17.00 h
Modern sunscreens make a lasting impression on surface coatings
Dr. Philip Barker, BlueScope Steel Research, AU

25.7  17.00 – 17.30 h
Low odor in paints: what does it mean & how can it be managed
Paul Doll, Rohm and Haas, US
Production Technology
Chair: Kirsten Wrede, Vincentz Network, DE
Improving coatings is not only a matter of raw material innovations. In a time of tight margins and stiff competition, a constant control and optimisation of the production process is of paramount importance. The six papers of this session are dedicated to the latest developments on production process improvement including dispersion technology, milling and grinding as well as analysis of nanoparticles and dosage of high viscosity adhesives.

26.1 14.00 – 14.30 h
Nanoparticles for coatings with novel dispersion technology
Dr. Chris Thomas, Serendip, CH

26.2 14.30 – 15.00 h
Screenless agitator bead mill for the use of smallest grinding media
Dr. Stefan Mende, Netzsch-Feinmahltechnik, DE

26.3 15.00 – 15.30 h
Size distribution determination of nanoparticles and nanosized pores by small-angle X-ray scattering
Dr. Joerg Bolze, Panalytical, NL

15.30 – 16.00 h
Networking: Refreshments & Coffee Break

26.4 16.00 – 16.30 h
The using of a coriolis flow meter for the dosage of high-viscosity adhesives
Stefan Bischof, ISF Welding, Aachen University, DE

26.5 16.30 – 17.00 h
Characterization of shear stress simulation of liquid polymers with resource measurement methods
Sascha Buchbach, Fraunhofer Institute for Manufacturing Technology and Applied Materials Research, DE

Attractive Travel Solutions & Hotel Accommodation

Good Connections
Nuremberg is conveniently located in the strong economic region of Southern Germany. The city is easily reached by air, rail and road. Our travel partner “Business & Service” offers easy travel solutions and hotel accommodation for you. Use the varied offers and combine them to suit your individual needs.

NEW: Special Rail offers to the European Coatings SHOW 2009
As a special offer for the European Coatings SHOW 2009 the Deutsche Bahn will carry you to Nuremberg from each DB-Station in Germany for a special price. Go to Nuremberg (and back) beginning at 79,– € (2nd class) or 129,– € (1st class). These tickets can be used for all trains of the Deutsche Bahn including ICE, EC and IC.

Easy Hotel Accommodation
Please make your hotel reservations as soon as possible due to the high demand of hotel rooms during that week in Nuremberg, because of the parallel running European Coatings SHOW 2009. A hotel reservation form shall be sent to you together with your confirmation of your European Coatings CONGRESS participation and can also be downloaded from our website www.european-coatings-show.com.

For further questions and individual offers please contact our service partner at:

Business & Service
Brigitte Schmedding
Exhibition events
Messezentrum
90471 Nuremberg, Germany
Tel  +49 911.86 07 6-0
Fax  +49 911.86 07 611
The European Coatings SHOW 2009 and the European Coatings CONGRESS will be held at:

Exhibition and Convention Centre Nürnberg
Messezentrum
90471 Nuremberg, Germany

Organiser
Vincentz Network GmbH & Co.KG
Plathnerstr. 4c
30175 Hannover, Germany

Date
European Coatings CONGRESS: 30 March – 1 April 2009
European Coatings EXHIBITION: 31 March – 2 April 2009

Registration Procedures
Complete the CONGRESS Registration Form on page 18, select payment method and return the form to:
Vincentz Network
Coatings Events
Plathnerstr. 4c
30175 Hannover, Germany
Fax +49 511 9910-279
E-mail congress@european-coatings.com
On-line www.european-coatings-show.com

After having received your CONGRESS registration delegates will receive a written confirmation of participation and invoice in return, followed by more details in due time. CONGRESS materials (incl. name badge, congress proceedings as CD Rom, etc.) will be ready for collection upon arrival at the CONGRESS registration desk (entrance CCN Ost) in Nuremberg. After 9 March, 2009 delegates are asked to register on-site in Nuremberg. Please note that on-site registrations cannot be guaranteed as CONGRESS places are limited.

Fees include
- Admittance to the Congress Day booked
- CONGRESS Proceedings as CD Rom
- Luncheons & Coffee Breaks
- List of CONGRESS Delegates
- Permanent Exhibition Ticket
- Exhibition Catalogue

Sales Tax Refund Procedure
Within 6 month after the calendar year expires the claim for the sales tax refund must be made at the German Federal Office of Finance: Bundesamt für Finanzen, Friedhofstr. 1, 53225 Bonn, Germany

Cancellations
In the event of cancellation, fees will be refunded in full if notification of cancellation is received by 27 February 2009. If notification is received later, but not later than 13 March 2009, 50% of the congress fee will be refunded. The postmark date shall apply in all cases. Delegates who fail to attend without notifying the organiser or who cancel after 13 March 2009 will be liable for the full congress fee. Substitutions of delegates may be made at any time. Cancellations and changes should be notified in writing and will be confirmed by the organiser. Any fees to be refunded will be paid after the event.

CONGRESS Language
The European Coatings CONGRESS will be held in English only.

Hotel Reservation
Hotel accommodation is not included in the registration fees. Reservations will be handled by our service partner “Business & Service”. A hotel reservation form shall be sent to you together with your CONGRESS confirmation and can also be downloaded from our website www.european-coatings-show.com

Please complete the form and mail or fax it to Business & Service. You will receive a written confirmation for your hotel booking. Please contact Business & Service directly in case you need any further information about hotel facilities:

Business & Service:
Tel +49 911 86076-0
Fax +49 911 86076-11
info@business-und-service.de
www.business-und-service.de

Visa Information
International attendees who will need to obtain a visa for visiting Germany should contact the German embassy or consulate in order to determine how to apply and the length of time required to process applications.

The organiser has no influence over the issuance of visas. In order to obtain a letter of invitation from the organiser, please contact the NürnbergMesse:
NürnbergMesse GmbH
Visitor Service
Tel +49 911 8606-0
Fax +49 911 8606-8228
visitorservice@nuernbergmesse.de

Notice
Photographs of attendees will be taken during the event and may be used for promotional purpose. The address data are processed for customer service and information purposes in compliance with the German Data Protection Law. Company's name, city and country might be published on the Internet as reference for upcoming events.
CONGRESS Registration Form

After 9 March 2009 delegates are asked to register on-site in Nuremberg. Please note that on-site registrations cannot be guaranteed as CONGRESS places are limited. Stated CONGRESS fees are net prices. 19 % German VAT has to be added. The total amount incl. 19 % German VAT must be paid by all delegates from any country. In some cases the VAT is refundable. An on-site registration carries an additional fee of 15 % of the CONGRESS fee, to cover the additional processing costs.

**Step 1 General Information**
Please print name as you would like it to appear on badge. Please make copies of this form for additional registrants.

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**Billing Address (if different from mailing address)**

| Company       | City/ State/ ZIP | Country |
| Phone         |                |

**Step 2 Registration Options**

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**Two-Day Pass** Choose One Combination:

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**Single-Day Pass** Choose One:

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* Discounts: Companies who are exhibitors at the European Coatings SHOW 2009 or members of one of the following associations will be given a 10% discount of the standard fee.

I am exhibitor/ member of:  
- Exhibitor of ECS 2009  
- PRA  
- FPL  
- EuPIA

A CD-Rom with all presentations of the CONGRESS day booked will be included in the CONGRESS fee.

**Pre-CONGRESS Tutorials 1 – 9**
Please note that the Pre-CONGRESS Tutorials and the main CONGRESS are two individual events. Participation is limited at the exclusive tutorials and will be booked on a first come, first serve basis. Extra-registration is absolutely necessary.

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Plathnerstr. 4c - 30175 Hannover - Germany  
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