

# MEET THE SPEAKERS



**AkzoNobel**

Oscar Wezenbeek  
AkzoNobel



**propan**  
The Paint Specialist

Kris Rianto Adidarma  
Propan Raya



**Borregaard**

Dr. Harrison  
Gallantree-Smith  
Borregaard



**CONNELL CALDIC**

Dr. Nurudin Budiman  
ConnellCaldic



**Biosilico.**

Christopher Nghia Do  
BSB Nanotechnology



**AGC** AGC VINYTHAI

Teerawat Inpota  
AGC Vinythai



**ADITYA BIRLA**  
**BIRLA CARBON**

Krishnamoorthy  
Ramakrishnan  
Birla Carbon



**Liberty**  
Chemical (Pvt) Ltd

Galith Subaseela  
Liberty Chemicals

## MEET THE SPEAKERS



Mei Ling Liew  
Synthomer



Florian Rützler  
ystral



Andy White  
FP-Pigments



Palad Sopanakijkosol  
Birla Carbon



Dr. Wenda Chen  
Arkema



Dr. PeiSong Chua  
Schneider Electric



Oliver Korten  
Orontec



Georg Toennissen  
Eckart

# MEET THE SPEAKERS



Markus Wöhr  
Fire protection  
coatings expert



Dr. Artur Palasz  
Spektröchem



Dr. Alexander Madl  
Innovation Consultant



Christine Chuang  
CIRS



Li Xiang  
CIRS

## CONFERENCE CONTACT

Ms. Sarina Lux  
Senior Event Manager  
Vincentz Network  
Hannover, Germany  
sarina.lux@vincentz.net

## 18 OCTOBER

11:00 - 11:05 **WELCOME ADDRESS** Vanessa Bauersachs, Vincentz Network

11:05 - 11:35 **DELIVERING SUSTAINABLE SOLUTIONS THROUGH PAINT INNOVATION IN DEVELOPING CITIES AND COMMUNITIES**

Oscar Wezenbeek, AkzoNobel

**KEYNOTE**

11:40 - 12:10 **INDONESIA COATING AND PAINTING INDUSTRY OUTLOOK**

Kris Rianto Adidarma, Propan Raya

**KEYNOTE**

### Lunch break

13:30 - 14:00 **THE EFFECT OF NOVEL BIO-BASED ADDITIVES ON COMMON WATER-BORNE COATING ISSUES**

Dr. Harrison Gallantree-Smith, Borregaard

14:00 - 14:30 **BIO-BASED OPEN TIME PROLONGER**

Dr. Nurudin Budiman, ConnellCaldic

14:30 - 15:00 **RICE HUSK SILICA IN THE COATINGS INDUSTRY**

Christopher Nghia Do, BSB Nanotechnology

### Coffee break

15:30 - 16:00 **HOW BIO-BASED EPICHLOROHYDRIN (ECH) REDUCES THE CARBON IMPACT OF COATINGS**

Teerawat Inpota, AGC Vinythai

16:00 - 16:30 **FORMULATING A SUSTAINABLE WATER-BORNE TINT BASE**

Krishnamoorthy Ramakrishnan, Birla Carbon

16:30 - 17:00 **ENVIRONMENTAL REGULATIONS AND PRODUCT INNOVATION IN COATING INDUSTRY**

Galith Subaseela, Liberty Chemicals

**FAREWELL** Vanessa Bauersachs, Vincentz Network

**19 OCTOBER**

**WELCOME ADDRESS** Vanessa Bauersachs, Vincentz Network

11:00 - 11:30 **FULLY BIO-BASED VERSATILE BINDER FOR ARCHITECTURAL COATINGS**

Mei Ling Liew, Synthomer

11:30 - 12:00 **SAVING TITANIUM DIOXIDE BY VACUUM INLINE DISPERSION**

Florian Rützler, ystral

12:00 - 12:30 **TIO<sub>2</sub> OPTIMISATION VIA THE INCORPORATION OF AIR VOIDS IN COMPOSITE PIGMENTS**

Andrew White, FP-Pigments

Lunch break

14:00 - 14:30 **BIO-BASED DISPERSING AGENT FOR LATEX PAINT**

Dr. Nurudin Budiman, ConnellCaldic

14:30 - 15:00 **DEVELOPING A SUSTAINABLE POWDER COATING FORMULATION**

Palad Sopanakijkosol, Birla Carbon

Coffee break

15:30 - 16:00 **NEW ULTRA-DURABLE ANTI-CORROSION COATINGS SYSTEM FOR STEEL INFRASTRUCTURE**

Dr. Wenda Chen, Arkema

16:00 - 16:30 **SUSTAINABLE PRODUCTION ORCHESTRATED FROM A MOBILE CONTROL ROOM**

Dr. PeiSong Chua, Schneider Electric

16:30 - 17:00 **LIQUID COLOUR MEASUREMENT IN STANDARDISED AUTOMATION**

Oliver Korten, Orontec

**FAREWELL** Vanessa Bauersachs, Vincentz Network

18 October | 12:15 - 13:45

**CORROSION PROTECTION FROM PAST TO PRESENT**

Georg Toennissen

Eckart

A journey through the protection of constructions under the continuous threat of oxidization and corrosive destruction. From the beginnings of first active corrosion protective coatings up to the latest development in sustainable, environmentally and health inoffensive top protections against the continuous ravages of time.

18 October | 15:30 - 17:00

**TITANIUM DIOXIDE – BACKGROUND AND ROUTES TO UNDERSTANDING PERFORMANCE AND OPTIMISATION IN COATINGS SYSTEMS**

Andy White

FP-Pigments

This 90-minute short course will look to inform on all aspects of the production and effective optimal use of the very important material Titanium Dioxide (TiO<sub>2</sub>). The course will be split into four 15–20-minute sections with time for questions in between.

Initially a brief history and definition of the importance of the product will be followed by detailed explanations of the common production processes culminating in an explanation of the routes to different surface treatments which define the various grades. There will also be a focus on the development of the global TiO<sub>2</sub> market and likely future developments in the coming years.

The second section will focus on how TiO<sub>2</sub> is used in practice, focussing on how it produces opacity in coatings films and more specifically explaining how it functions, firstly in solvent based and latterly water-based systems, with detailed explanations of how to optimise its dispersion, stability and performance in each case.

There will then follow a look at the effect of TiO<sub>2</sub> on coatings colour especially in tinted systems, and then in a separate sub-section we will discuss the effect TiO<sub>2</sub> has on coatings durability in exterior systems.

Finally, the 4th section will focus on optimising Titanium Dioxide performance. Much work has been done in the past years on developing routes to “minimize” TiO<sub>2</sub> use. This section will explore the various routes, and help the attendee to understand the formulating options available to them when developing the efficiency of the opacity of their formulation.

19 October | 11:30 - 13:00

## CRUCIAL ASPECTS OF FIRE PROTECTION COATINGS



Markus Wöhr

Fire protection coatings expert

Are you interested in the fascinating world of fire protection coatings? As a seasoned technical professional with over 20 years of experience in the industry, I am thrilled to share my insights at this event. In my presentation, we will delve into the crucial aspects of fire protection coatings, including their types and functions. Discover how these coatings safeguard structures and save lives in the event of a fire. We will explore the diverse range of substrates that can benefit, from steel and concrete to wood and beyond. Gain a comprehensive understanding of the specific requirements and techniques for each substrate. Stay ahead of the game by exploring the latest trends in the fire protection coatings industry. I will discuss advancements in technology, innovative solutions, and emerging practices that are shaping the future of fire safety. Finally, we will touch the important topic of testing requirements. Learn about the standards, certifications, and rigorous testing protocols that ensure the effectiveness and reliability of these coatings. Don't miss this opportunity to enhance your knowledge and network with industry professionals. Join me at the conference and be part of the conversation on fire protection coatings.

19 October | 14:00 - 15:30

## COLOR TECHNOLOGY



Oliver Korten

Orontec

Starting with the basics of colorimetry, this short course will also cover the latest recommendations for industrial colour assessment and answer the question of when it is important to have a reliable Euclidean colour space. Participants will be encouraged to start their colour analysis primarily with spectra. The effect of spectral variations on colour will be explored using realistic examples. The relationship between gloss and colour based on measurement results will be discussed, leading to answers to the question: which measurement geometry fits best?

20 October | 10:00 - 11:30

**FORMULATING LATEX PAINTS FROM SCRATCH WITH AN EXPERT**

Dr. Artur Palasz

Spektrochem

Formulating latex paints is a challenge faced by both beginners and advanced employees of R&D departments of paint manufacturers. To determine the formulation, research experience and knowledge resulting from the research of raw materials, their effectiveness, compatibility and ensuring the desired effects after combining in the recipe are needed. During the short course, I will guide you step-by-step through formulation formulations, from familiarizing yourself with the basic ingredients, their role and function in paint and coatings, calculating PVC, CPVC and using these data as a basis for formulating, to selecting each of the raw materials in paints from water, through binder, fillers, pigments, and ending with additives. You will learn many comparisons of raw materials in formulations, learn how to determine formulations by selecting various raw materials, and how to test paints at the R&D and QC stages. You will become familiar with ASTM test methods and paint and coating test equipment necessary to obtain high-quality latex paints.

20 October | 13:00 - 14:30

**DIGITALISATION**

Alexander Madl

Innovation Consultant

The next wave of digitalisation reached the chemical industry and it will change the business models and therefore the competition field. To allow for better and faster satisfaction of ever-changing customers needs it is essential to gain a deeper understanding of the complex formulations, as used in paints and coatings industry. This creates a need to create a data centred culture on all levels of organisation, using the available tools of the digital technology revolution. Consequent automation of manual tasks, digital capturing of all available data, the creating of data-pools instead of fractionated storage, and the consequent use of models are important tools to step up into the future of chemistry innovation. This 90 min course will help you to navigate through the offers of the digitalisation and digital transformation, make sense of them for your daily business practice, and allow you to choose which tools really help you to make your work more effective, efficient and therefore profitable. The time for action is now. The pace of digital transformation is fast, and accelerating.

20 October | 14:00 - 15:30

**CHEMICAL LEGISLATION IN ASIA-PACIFIC & CHINA**Christine Chuang  
Li Xiang

CIRS

Latest Updates of Chemical Regulatory Managements in China

- Introduction of chemical regulation framework in China
- New chemicals China REACH: updates and compliance challenges
- Hazardous chemicals: registrations and the new QR code system
- Other updates regarding GHS, inventories, regulations, etc.

Introduction of GHS requirements in Asia-Pacific countries

- Introduction of GHS: Classifications, MSDS and labelling
- GHS requirements overview in different local market: China, South Korea, Japan, India, Indonesia, Australia, etc.
- Practical regulatory compliance measures.