



SEPTEMBER 28 - 29 | FRANKFURT, GERMANY

OFFICIAL CHEMICAL TRADING PLATFORM

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CIEX – the platform for accelerating innovation in the chemical value chain

CIEX is created for R&D and Innovation experts from the consumer, industrial and specialty chemical sectors. By bringing together all players in the value chain, we create a unique platform for participants to learn, exchange ideas and collaborate. CIEX is all about creating value – though bringing the right people together, through creating synergies and through actively connecting potential partners.

SPEAKERS INCLUDE:



Christine Schneider
Head of Global Sustainability
HENKEL
Germany



Dr. Alan E. Nelson
Chief Technology Officer
JOHNSON MATTHEY
United Kingdom



Dr. Andreas Heyl
Chief Technology Officer
LONZA
Switzerland



Richard Northcote
Chief Sustainability Officer
COVESTRO
Germany



Dr. Nicoletta Piccolrovazzi *Global Technology & Sustainability Director*
DOW CHEMICAL
Switzerland



Dr. Simone Arizzi
Technology & Innovation Director EMEA
DUPONT
Switzerland



Dr. Peter Nagler
Head of International Innovation
EVONIK
Germany



Dr. Fabien Cabriol
Global Head - Biotechnologies
L'OREAL
France



Dr. Patrice Bellon
President
FRENCH SOCIETY OF THE COSMETIC CHEMISTS
France



Hannes Erler
Director Open Innovation Networks
SWAROVSKI
Austria



Norbert Maleschitz
VP – R&D EMEA
EXIDE TECHNOLOGIES
France



Daniel Gonzaga
Director – R&D
NATURA
Brazil



Christophe Sussat
Chief Executive Officer
INEOS ENTERPRISES
France



Dr. Rob Beudeker
Vice President Innovation - Human Nutrition and Health
DSM
Switzerland

Main Conference Day 1

WEDNESDAY, SEPTEMBER 28 2016

08:00 REGISTRATION AND WELCOME COFFEE

09:00 **Opening Remarks by Merlien Institute & Conference Chair**

Jens Cornelissen, *MD Global Events*, **MERLIEN INSTITUTE**

Dr. Patrice Bellon, *President*, **FRENCH SOCIETY OF THE COSMETIC CHEMISTS (SFC)**

ENGAGING STAKEHOLDERS & EXTERNAL COLLABORATION

09:15 **The big picture – macroeconomic factors shaping the industry**

- What global and regional macroeconomic trends are being observed and what are the potential implications for the chemical industry?
- How can you incorporate key macroeconomic factors into your strategic and business forecast?
- What are the effects of current macroeconomic trends on regional dynamics and how do they impact innovation within the chemical industry?

09:45 **Forging external partnerships – turning to NGOs and government agencies as critical problem solvers and partners**

- Public-private partnerships: developing strong partnerships with government agencies to drive innovation
- Leveraging on philanthropic partnerships to enhance brand reputation and competitive advantage
- Overcoming the barriers for successful partnerships with NGOs and government agencies
- Examples of successful cases of DSM's collaboration with government agencies and non-profit organisations

Dr. Rob Beudeker, *Vice President Innovation - Human Nutrition and Health*, **DSM**

10:15 **Risk management – meeting stakeholders' demands for better processes**

- How can companies introduce new innovations to have sufficient impact to re-define a market without risking it all?
- Does the co-relation between stronger legislation and safer chemicals drive innovation?
- How to achieve balance between people and systems whilst incorporating innovation and organisational discipline?

Dr. Andreas Heyl, *Chief Technology Officer*, **LONZA**

10:45 NETWORKING BREAK

11:15 **PANEL DISCUSSION**

REACH in the era of global competition – does it stifle or stimulate innovation?

REACH aims to improve human safety and the environment protection through the better and earlier identification of the intrinsic properties of chemical substances. However, some may argue that it hinders innovation. And there are others that are of the opinion that REACH only hinder innovation in the short term whilst companies reorient their R&D and innovation programmes. REACH may also affect the time required to bring product to the market. How can companies adhere to REACH regulation without losing its competitive edge and ability to innovate?

11:45 **Low-carbon economy – enabling the transition with chemistry based solutions**

- How collaborations at the intersection between sports and business drive technology adoption?
- How to support the sustainability strategy of an organisation through low carbon projects?
- How the carbon benefits of technology can address needs and drive differentiation in markets?

Dr. Nicoletta Piccolrovazzi, *Global Technology & Sustainability Director, Dow Olympic & Sports Solutions*, **DOW CHEMICAL**

RAW MATERIALS & SUSTAINABILITY

12:15 **Water scarcity – meeting the industry's global needs**

- What are some of the feasible new processes for sustainable use of seawater?
- What novel technologies are available for wastewater treatment and re-use?
- How are smart water technologies driving greater water efficiency?

12:45 NETWORKING LUNCH

Main Conference Day 1

WEDNESDAY, SEPTEMBER 28 2016

13:45

Sustainable sourcing of raw materials – are we meeting the sustainability challenge and reducing carbon footprint at the same time?

- What are some of the ways to align sourcing of raw materials to the sustainability roadmap whilst continue to drive innovation?
- How can sourcing sustainably ensure security of supply for the long term?
- Managing procurement in times of volatile raw material prices
- How can companies work with governments in advancing global environmental protection and sustainable development?

Christine Schneider, *Head of Global Sustainability in Research & Development of Laundry & Home Care*, **HENKEL**

14:15

Biobased innovation in cosmetics - balancing high performance with sustainable ingredients

- Moving towards bio-based chemicals while communicating effectively on sustainability
- Incorporating green innovation in the production process: What are the dos and don'ts
- What are the factors to consider when identifying and selecting ingredient suppliers

Daniel Gonzaga, *Director – R&D*, **NATURA**

14:45

From sustainability to Corporate Social Responsibility (CSR) – redefining the role of businesses and driving innovation

- What sustainability goals should be incorporated into companies' CSR policy that can balance output, quality and safety in the innovation process?
- How can employers encourage employees to play a role in achieving companies' goals?
- How setting and announcing goals can spur dialogue and innovation; and ultimately boost image?

Richard Northcote, *Chief Sustainability Officer*, **COVESTRO**

15:15

NETWORKING BREAK

15:45

NEW PRODUCT DEVELOPMENT

Open innovation (OI) – a prerequisite or threat to success?

- What are some of the OI frameworks that have been successful?
- How can collaborators ensure transparency in external innovation partnerships?
- What criteria are companies looking for in their partners to accelerate the innovation and commercialisation of new developments?
- Is open innovation a threat to intellectual property?
- What strategies and infrastructures can help maximise access to external ideas, technologies and skill sets?

Hannes Erler, *Director Open Innovation Networks*, **SWAROVSKI**

16:15

Speed to market – streamlining the chemical innovation lifecycle

- How to get innovations to the market whilst retaining competitive edge and drive profitability?
- How can companies take advantage of information technology to speed up the innovation lifecycle?
- How can the industry work with governments to improve flexibility in legislations which may accelerate innovation and speed to market?

Dr. Alan E. Nelson, *Chief Technology Officer*, **JOHNSON MATTHEY**

16:45

Leading Change - Leading Innovation: how Evonik increases the value of its innovation pipeline

- Discussing Evonik's successful strategy to break new grounds on innovation
- Meeting the challenges of short innovation cycles and rapidly changing environments
- Changing the role and mindset of leaders to promote a culture of innovation within Evonik

Dr. Peter Nagler, *Head of International Innovation & Former CIO*, **EVONIK / Board Member**, **SUSCHEM**

17:15

The shift to green chemistry – meeting consumers' demands with cost-efficient and value-added innovation

- How are regulations advancing and supporting innovation in green chemistry?
- How can organisations integrate green chemistry into their overall business strategies?
- How will the chemical sector find the right cost basis amidst the volatile oil prices?

17:45

CLOSING REMARKS FROM THE CHAIR

Main Conference Day 2

THURSDAY, SEPTEMBER 29 2016

08:00 REGISTRATION AND WELCOME COFFEE

09:00 **Opening Remarks by Merlien Institute & Conference Chair**

09:15 **MATERIALS SCIENCE**

What are the driving factors for companies to shift focus from petrochemical feedstock to renewable feedstock?

- How can renewable feedstock meet cosmetic companies' demand in creating innovative products whilst meeting perceivable performance and measurable sustainability benefits?
- Discuss safety issues in using renewable feedstock for skincare products
- What are some of the major advances in materials and processing techniques allowing companies to operate in a more sustainable manner?

Dr. Fabien Cabirol, *Global Head - Biotechnologies*, **L'OREAL**

09:50 **Renewable chemical production – up – cycling complex biowaste into high value chemicals and materials**

- How will the recent drop in oil prices impact the global renewable chemical market along with the need to address rising consumers' awareness?
- How will innovation improve the growth of the renewable chemicals market with the potential for cost reduction?
- What are the current and future challenges for the European chemical industry in developing the bio-based?

10:25 **Nanotechnologies – a game changer**

- How are developments in nanotechnology affecting the chemicals industry?
- How will nanotech inventions match or succeed economic or societal impacts of the digital revolution and how will this affect the industry?
- How are companies working to efficiently steward the manufacture, use and disposal of materials based on technology to ensure safe handling of nanomaterials?

11:00 NETWORKING BREAK

11:35 **Composites – opportunities for optimising materials for applications**

- How are composites creating opportunities for optimising and tailoring materials to applications?
- With composites evolving over time, how can service and stability lifetime of innovative composite structures be guaranteed?
- What are some of the challenges and opportunities in the area of innovative new materials and composites based on nanocellulosics?

12:10 **Discovering innovative carbon based materials to enhance energy storage in the automotive industry**

- The shift of requirements of automotive energy storage by μ Hybrid Drivetrains
- Discussing the impact of expanded graphite and activated carbons for faster re-charge and impact on μ -Hybrid cars fuel efficiency
- Increasing storage life in renewable energy storage application by using novel graphite and carbon material
- Next generation automotive and industrial energy storage by utilising graphite and carbons

Norbert Maleschitz, *VP – R&D EMEA*, **EXIDE TECHNOLOGIES**

12:45 NETWORKING LUNCH

13:45 **BRAINSTORMING SESSION**

Chemical footprinting – could it be a catalyst for more sustainable innovation?

With the rise of “consumer is king”, the challenges around health and environment transparency will escalate globally. In the past, manufacturers comply with government regulations. But today, as regulations shift and stakeholders across the value chain demand increasing levels of transparency, companies are pressured to manage their chemicals responsibly. Will chemical footprinting steer the path on where to focus research and development efforts; and drive innovation? How will this affect large players? And will it create markets for smaller, biobased chemical manufacturers?

Main Conference Day 2

THURSDAY, SEPTEMBER 29 2016

14:20

Alternative energy sources – harnessing and storing of energy; an essential role in chemical innovation

- What are the global megatrends influencing the energy harnessing value networking and how the chemical sector meets these demands?
- How can the utilisation of alternative energy improves efficiency and drive profitability in the industry?
- How can the chemical industry contribute to the creation and development of renewable energy sources?

Dr. Simone Arizzi, *Technology & Innovation Director EMEA*, **DUPONT**

14:55

BIG DATA & DIGITISATION

Digitisation - offering new avenues to creating growth and value

- How can digitisation drive product improvement and enable new business models and processes?
- How will an automated industry affect materials suppliers and provide bottom line benefits?

15:30

NETWORKING BREAK

16:00

How is big data influencing the chemical industry

- How can data integration and the application of advanced analytical techniques raise productivity, efficiency and product quality?
- How can big data help build competitive advantages in emerging markets?
- Using big data to analyse results and create new methods for innovation

16:35

Challenge Driven Innovation (CDI) – the crowd as an innovation partner in chemicals

- What are the fundamental differences between crowd-powered problem solving and traditional organisational models?
- How can intellectual property be protected?
- In what ways can data be gathered, analysed and translated into new innovation?

17:10

Social media as innovation incubator

- How can social media become a key enabler of innovation?
- How can openness and collaboration with various stakeholder groups drive innovation in the industry?
- What organisational changes are required to leverage on social media data?

17:45

CLOSING REMARKS BY CHAIR AND CLOSE OF CONFERENCE

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