

Visit the dedicated website: <https://www.edana.org/education-events/conferences-and-symposia/event-detail/international-nonwovens-symposium-2019/>

Wednesday 12th June 2019

09.00 > 17.00 **REGISTRATION DESK OPEN AT THE VIENNA MARRIOTT HOTEL**

Please wear your badge at all times for easier networking

09.00 > 09.30 **WELCOME COFFEE & OPENING OF THE TABLETOP AREA**

09.30 > 09.40 **OPENING AND WELCOME**

09.40 > 10.20

THE OUTLOOK FOR GLOBAL TRADE AND ITS IMPACT ON THE NONWOVENS INDUSTRY



Hosuk Lee-Makiyama, Director, **European Centre for International Political Economy - ECIPE** (Belgium)

SESSION 1

Innovation

Moderator



Dr. Bryan Haynes, Sr. Technical Director, **Global Nonwovens Kimberly-Clark** (United States)

10.20 > 10.45

HIGH LOFT SPUNLAI D TECHNOLOGY AND APPLICATIONS

- Getting out of the box: A Simple, fast and flexible process
- Covering all the basics from simple to complex/high performance applications
- Where technology meets the recycle/ sustainable edge



Tony De La Hoz, Process & Product Engineer, **Hills Inc. (USA) /CETI** (France)

10.45 > 11.10

MELTBLOWN PROCESSING OF THERMOPLASTIC ELASTOMERS (TPE)

- Processing and nonwoven properties of thermoplastic polyurethanes (TPU)
- Processing and nonwoven properties of thermoplastic polyamide elastomers (TPA)
- Dying of thermoplastic elastomers



René Millies, Process Engineer, **Oerlikon Nonwoven** (Germany)

11.10 > 11.40

COFFEE BREAK & NETWORKING IN THE TABLETOP AREA

11.40 > 12.05

**A NEW APPROACH TO PLASTIC-FREE WIPE SUBSTRATES**

- Contribution of disposable wipes to the global plastic waste challenge
- Established plastic free wipe substrates and challenges in cost and performance
- New approach to plastic free wipes with improved resiliency

**Dr. Henning Roettger**, Director of Innovation, **Glatfelter** (Germany)**Dr. Bernd Seger**, Head of Fibre Competence Center, **Glatfelter** (Germany)

12.05 > 12.30

**APPLICATION-ORIENTED DEVELOPMENT AND PRODUCTION OF MELAMINE-MELTBLOWN-NONWOVEN**

- Innovative MB technology of thermal cross-linkable melamine resins
- 2 kt/a production line at Kocevje, Slovenia
- Options for application oriented processing and for 3D-structuring

Frank Meister, Head of Chemical Research Department, **Thuringian Institute for Textile & Plastics Research Rudolstadt** (Germany)

12.30 > 14.00

STANDING LUNCH & NETWORKING IN THE TABLETOP AREA

SESSION 2

Sustainability

Moderator

**Eamonn Tighe**, Business Development Manager, **NatureWorks** (Ireland)

14.00 > 14.25

**THE EDANA SUSTAINABILITY VISION**

- A new Sustainability Vision has been developed with EDANA's members providing direction to the nonwovens and related industry in enabling the Sustainable Development Goals.

**EDANA SUSTAINABILITY VISION****Gil Stevens**, External Relations and Sustainability Director, **EDANA** (Belgium)**Dirk Le Roy**, Managing Director, **Sustenuto** (Belgium)

14.25 > 14.50

**100% BIOBASED, SUSTAINABLE SOLUTIONS FOR INDUSTRIAL NONWOVENS AND ABSORBENT HYGIENE PRODUCTS**

- Worldwide sustainability initiatives to help lessen environmental impact
- Innovative 100% bio-based hydrophilic finishes provide best in class strike through and rewet values for industrial nonwovens and AHPs
- Providing protection and improving well-being for users at all stages of their life



SUSTAINABLE SUPPLY CHAIN

Nuria Morales Camps, Key Account Manager, **Croda Europe** (Spain)

14.50 > 15.15

**NEW MATERIAL FOR A NEW WORLD**

- A non-woven sustainable new material used in fashion, accessories, interiors and automotive industry
- Its life cycle based on circular economy principles and inspired by C2C
- Solutions to the market sustainable demands
- Piñatex positioning in the market place: business model



SUSTAINABLE SUPPLY CHAIN

Dr. Carmen Hijosa, Founder & Chief Creative and Innovation Officer, **Ananas Anam** (United Kingdom)

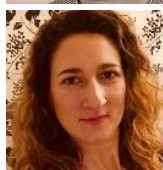
15.15 > 15.40

**HOW TO REACT ON THE SUSTAINABLE TREND? NEW AHP DEMAND – NEW THINKING!**

- Sustainable trends require new material in AHP which leads to big changes
- Eco-friendly materials demand new construction of AHP; this influences the performance
- Request for sustainability AHP call new thinking!



SUSTAINABLE SUPPLY CHAIN

Christian Thum, Area Sales Manager, **Zschimmer & Schwarz** (Germany)**Elena Siebrecht**, Product Manager, **Zschimmer & Schwarz** (Germany)

15.40 > 16.10

COFFEE BREAK & NETWORKING IN THE TABLETOP AREA**Moderator****Kristin Olofsson**, Innovation, Sustainability & CSR Director, **Trioplast Landskrona** (Sweden)

16.10 > 16.35

**NONWOVEN BASED SOLAR WATER PURIFIER**

- Investigating the potential of using nowovens suitably for sustainable application
- Exploring applications of renewable source of energy
- Development of sustainable, low cost water filtration technology that converts the dirty/saline water into pure/potable water



ECO-EFFICIENCY

Aniket Sunil Bhute, Scientist & Technical Director, **DKTE Centre of Excellence Nonwovens (India)**

16.35 > 17.00

**STAKEHOLDER FEEDBACK**

- Input on the important sustainability topics from a broad range of stakeholders.
- Feedback from the stakeholders on the EDANA sustainability vision.
- Recommendations to future cooperation and partnerships.



BUILDING TRUST

Gil Stevens, External Relations and Sustainability Director, **EDANA (Belgium)**

Dirk Le Roy, Manging Director, **Sustenuto (Belgium)**

17.00 > 17.25

**WASTE AND BIO-BASED FEEDSTOCKS IN PLASTICS PRODUCTION**

- Searching for ways to sustainably diversify its feedstock
- opportunities and challenges of including waste-based or biological feedstock into modern chemical production



RESPONSIBLE END-OF-LIFE

Dr. Christine Bunte, Senior Manager Industry Advocacy, **BASF (Belgium)**

17.25 > 17.50

**MARKET OPPORTUNITIES OF PROCESSING RECYCLED CARBON FIBRES INTO NONWOVENS**

- The global carbon fiber based composite market (CFRP) is growing at rates in the order of 10 - 12% CAGR
- In the order of 30% to 50% of virgin carbon fibre entering the CFRP value chain remains as reclaim material
- Recycling of carbon fibre reclaim material into CFRP parts is enjoying increasing popularity. Nonwovens are here the preferred technology



RESPONSIBLE END-OF-LIFE

Hendrik Van Delden, Senior Partner, **Gherzi (Germany)**



19.00 > 21.30



The EDANA Cocktail at the Kunsthistorisches Museum Wien

The ideal opportunity for relaxed networking

(Business Casual Dress)

18.30: Meet at the lobby of the
Vienna Marriott Hotel



18.40: Buses depart

21.30: Buses return to the Vienna Marriott Hotel



Thursday 13th June 2019

08.30 > 15.00

REGISTRATION DESK OPEN AT THE VIENNA MARRIOTT HOTEL

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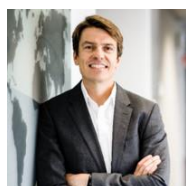
08.30 > 09.00

WELCOME COFFEE & OPENING OF THE TABLETOP AREA

SESSION 3

Material, Process & Products Development

09.00 > 09.25



DEVELOPMENT OF NEXT GENERATION LATEX BINDERS FOR THE NONWOWEN INDUSTRY

- Development of new generation latex binders that meet stricter environmental and health regulations
- Introduction of new formaldehyde free self cross-linking binder technology
- Review of the technological advantages to the nonwoven industry

Dr. Sören Butz, Head of Technical Service Textiles, **Synthomer** (Germany)

09.25 > 09.50



DEVELOPMENT OF GEOCOMPOSITE MATERIAL TO PREVENT FREEZING ON BRIDGES, VIADUCTS AND PAVEMENTS

- Heatable nonwoven
- Prevent freezing
- Geocomposite

Umur Burak Dalbudak, R&D Manager, **Hassan** (Turkey)

09.50 > 10.15



NEW TYPE OF POCKET SPRING UNITS MADE FROM BIOGENIC RAW MATERIALS

- Use of exclusively renewable raw materials, products should either be recyclable after use or can be completely biologically degraded
- New bi-component spunbond nonwovens made from PLA/biopolymers with significantly improved strength and durability properties
- Use of alternative bonding procedures such as hydro-entanglement or needle-punching

Ralf Taubner, Scientific Staff, **STFI** (Germany)

10.15 > 10.45

COFFEE BREAK & NETWORKING IN THE TABLETOP AREA

10.45 > 11.10



HOW TO MANIPULATE FREE ABSORPTION CAPACITY OF SPUNBOND NONWOVENS FOR A POTENTIAL APPLICATION IN WET WIPES

- 100% spunbond polypropylene fibres can attain a lotion and liquid absorption capacity
- The samples show a lotion absorption capacity up to 7 gr/gr, which is in comparison with PET/Viscose based products or sometimes even better
- On the other hand, they are not as soft as spunlace versions, but definitely perform better in hard surface cleaning

Kinyas Aydin, Senior R&D Engineer, **Hayat Kimya** (Turkey)

11.10 > 11.35

**MIDA X: MAKING HIDDEN DEFECTS IN NONWOVENS VISIBLE**

- Optical Inspection Systems (AOI): fast and effective control and optimization of the production process
- MIDA X: precise evaluation of defects and reliable separation of good and defective material
- Smart Factory: AOI allows deep insight into production performance, rendering it an important contributor to big data

Hans Oerley, Senior Manager Business Development, **Dr. Schenk** (Germany)

11.35 > 12.00

**SAFER HYGIENIC APPLICATIONS; INNOVATIVE SOLUTIONS FOR THE PERSONAL HYGIENE INDUSTRY: ACHIEVE FUNCTIONALITY, CONSUMER CONVENIENCE AND SAFETY**

- New material developments, technologies and collaborations on delivering innovative solutions for personal hygiene industry
- Innovative solutions for the personal hygiene industry, some examples of softness
- Commitment towards a circular economy

Jelena Bozovic-Vukic, Sr. Manager, Global Marketing & MDTs, Personal Hygiene, **SABIC** (The Netherlands)

12.00 > 13.30

STANDING LUNCH & NETWORKING IN THE TABLETOP AREA**SESSION 4****Market & Industry trends**

13.30 > 13.55

**LYOCELL SHORTCUT – PERFORMANCE MEETS SUSTAINABILITY**

- Wet laid fabrics consisting of Lenzing™ Lyocell shortcut fibres and pulp
- 100% Cellulose WLS wipes as possible biodegradable solution
- These wet laid fabrics can be tailored to the specific purpose and needs of the consumer

Thomas Maier, Global NW R&D Project Manager, **Lenzing** (Austria)

13.55 > 14.20

**PAST, PRESENT AND FUTURE OF WEB BASED COMPOSITES – KEEPING IT GOOD WHILE MAKING IT BETTER**

- Natural fibres and bio-polymers in web based composites – More than just a cheap composite material
- Industry research groups - Solving current issues in the field of nonwovens
- Modified matrix materials for recycled carbon fibres without sizing

Jonas Broening, Scientific Researcher, **ITA - Institut für Textiltechnik der RWTH Aachen University** (Germany)

14.20 > 14.45



MAGIC OF NONWOVEN FABRIC FOR APPAREL – TPU-MELTBLOW WITH EXCLUSIVE FEATURES

- Task: “Find some suitable, elastic and light materials which may be applied as shape-wear or outdoor wear”
- Manufacturing polyurethane by meltblow technology into flat web with soft touch and pleasant handfeel. Finish product (LIZ®) by cutting and ultrasonic welding
- LIZ® complies with wearable textile and apparel test standards and digital printing enables to design attractive shapewear

Thiline Dayarathne, Senior Research & Innovation Engineer, **MAS Holdings** (Sri Lanka)

Ingo Windschiegl, Research Associate, **DITF Denkendorf** (Germany)

14.45 > 15.10



ELASTIC NONWOVENS CONTAINING SEBS PREPARED BY MELTBLOWN PROCESSES

- New SEBS exhibiting high MFR have been synthesized and used to prepare SEBS/PP compounds with MFR by melt extrusion
- SEBS/PP nonwovens were prepared by meltblown processes
- Nonwovens containing SEBS show a much lower set and a higher recovered energy vs. standard existing nonwovens, excellent strength and elasticity and high elongation to break
- Nonwovens SEBS are biaxial, exhibiting similar stretch values in MD and CD direction

Sergio Corona Galvan, Advanced Materials Manager, **Dynasol** (Spain)

Javier Pascual Bernabeu, Head of Technical Fibres Research Group, **AITEX** (Spain)

15.10 > 15.40

COFFEE BREAK & NETWORKING IN THE TABLETOP AREA

15.40 > 16.05



J-CLOTH BIODEGRADABLE: THE ORIGINAL AND UNIQUE COMPOSTABLE FOOD SERVICE WIPE

- Innovation in Wipes
- Biodegradability and Compostability in wipes
- Printing technology, customization and differentiation

Miriam Malocho, Senior Application & Development Manager - Specialties, **Berry Global** (The Netherlands)

16.05 > 16.30



INNOVATIONS FOR THE POLYPROPYLENE NONWOVEN INDUSTRY

- Next generation of non-phthalate Ziegler/Natta catalyst for polypropylene
- New multimodal polypropylene grades for unprecedented comfort
- Upcycle of polypropylene/polyethylene waste mixtures for valuable extrusion applications

Renaud Lemaire, Application Development & Technical Service Polypropylene Films & Fibers, **LyondellBasell** (Belgium)

16.30 > 16.40

THANKS & CLOSING

16.40 > 17.00

GOODBYE COFFEE AT THE TABLETOP AREA**THANKS TO**

David Lamb (Nonwovens), **Hannes Haspel** (Xerium), **Krzysztof-Daniel Malowaniec** (Paul Hartmann), **Wolfgang Plasser** (Lenzing), for their support in drafting this programme.