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THE WORLD'S PREMIER **NONWOVEN PERSONAL CARE AND HYGIENE PRODUCTS CONFERENCE**

17 – 19 October, 2018

DUBROVNIK CROATIA

Rixos Libertas Dubrovnik Hotel

edana
THE VOICE OF NONWOVENS

#EdanaNonwovens
#OUTLOOK2018

www.edana.org



THE EUROPEAN
ASSOCIATION
AWARDS 2018

WINNER
Best Association Conference
(More than 225 Delegates)



INDIA OUTLOOK™ 2 0 1 9

AFTER
THE EUROPEAN,
ASIAN AND LATIN
AMERICAN EDITIONS,
**THE GLOBALLY
SUCCESSFUL
NONWOVEN &
HYGIENE PRODUCTS
CONFERENCE
NOW IN INDIA**

12-13 February 2019
Gurugram | Delhi NCR | India
The Leela Ambience Hotel



**EDANA and BCH present a high-level conference
& exhibition** offering unique business opportunities
and supporting market growth across the Indian
subcontinent and Asia



What's on the programme?

Presentations

- Market data and trends
- Mainstream and niche products in unique coexistence
- Technology, product development and innovation
- Product stewardship
- Sustainability

Tabletop exhibition

Promote your company and products with a tabletop presence

The OUTLOOK™ India Innovation Award

A reward which honors innovative products
and services made in or for the Indian market



ORGANISED BY



BCH | BUSINESS
CO-ORDINATION
HOUSE

TechTex India

FOR MORE INFORMATION CONTACT

delphine.rens@edana.org

(international registrations)

info@bch.in (Indian registration)

www.edana.org





THANK YOU for joining us in Dubrovnik for EDANA's Nonwoven Personal Care and Hygiene Products Conference

YOUR BADGE

Please note that it is mandatory to wear your badge at all times. Your badge gives you access to the conference room, lunches, coffee breaks and evening networking events.

CONFERENCE SCHEDULE & ACTIVITIES

Day 1 ► Wednesday 17th October, 2018

Note: Registration desk open throughout the conference

- Welcome coffee from 11.00 to 11.45
- Conference starts at 11.45 and finishes at 18.00
- Keynote speech from 12.00 to 13.00 open to all (incl. networking pass)
- OUTLOOK™ networking evening from 19.00 to 21.00 at the Rixos Libertas Dubrovnik Hotel.

Day 2 ► Thursday 18th October, 2018

- Welcome coffee from 08.30 to 09.00
- Conference starts at 09.00 and finishes at 18.30
- The OUTLOOK™ 2018 Cocktail Party from 19.00 to 21.00

The OUTLOOK™ 2018 Cocktail Party

Don't miss this opportunity for relaxed networking at the Museum of Modern Art Dubrovnik (located 4 km from the Rixos Libertas Hotel). Buses depart from the Rixos Libertas Hotel at 19.10 and return to the hotel around 21.30.

For your security and ours, anyone not wearing their delegate badge will not be allowed on the bus.



Day 3 ► Friday 19th October, 2018

- Welcome coffee from 08.30 to 09.00
- Conference starts at 09.00 and finishes at 12.20
- Goodbye networking drink from 12.20 to 13.30

DELEGATE SURVEY & PRESENTATIONS

Your feedback is important to ensure our events continue to meet your needs and expectations. At the end of the conference, you will receive an email with a personalised link to complete the survey.

After you complete the survey, you will be directed to a page to download the available presentations from this conference, and any other materials that may be available for your information.

Should you have any questions about the survey or presentations, please contact giovanna.merola@edana.org for assistance.

FUTURE EDANA EVENTS

Please visit our website www.edana.org for further details.

2018

- ▶ 04–05 December **FILTREX™ Asia**
Shanghai, China

2019

- ▶ 12–13 February **OUTLOOK™ India**
New Delhi, India
- ▶ 09–10 April **FILTREX™ India**
New Delhi, India
- ▶ 07–09 May **OUTLOOK™ Plus Latin America**
Sao Paulo, Brazil
- ▶ 14–15 May **FILTREX™**
Berlin, Germany
- ▶ 12–13 June **International Nonwovens Symposium**
Vienna, Austria
- ▶ 09–11 October **OUTLOOK™**
Athens, Greece
- ▶ 16–17 October **Nonwovens Innovation Academy**
Denkendorf
- ▶ November (tbc) **EurAsian Geotextiles Symposium**
China (tbc)

2020

- ▶ 31 March–3 April **INDEX™ 20**

NEED HELP?

The EDANA staff look forward to helping you make your attendance at OUTLOOK™ 2018 a success for you and your business.

Should you need any assistance, please go to the registration desk (open throughout the conference).

Thank You ! The EDANA team

THE WORLD'S
PREMIER
**NONWOVEN
HYGIENE
PRODUCTS
CONFERENCE**

+
MEDICAL & FILTRATION

**TABLETOP
EXHIBITION!**

Book your space
and promote
your company and
products

OUTLOOK
2019
LATIN AMERICA **PLUS**

7 - 9 May 2019

SHERATON WTC HOTEL | SAO PAULO, BRAZIL

EDANA and INDA present the 3rd edition of THE Latin American nonwoven event. Bring your business to the heart of this region by attending OUTLOOK™ Plus Latin America.

- Listen to local experts speak about the political environment, growth trends and the potential for nonwovens in this region
- Learn about market, product and technology intelligence for the hygiene, personal care, filtration and medical sectors
- Make business connections during the tabletop exhibition and evening receptions
- Network with 300+ nonwoven professionals



For more info, contact helene.colbach@edana.org

OUTLOOK™ PLUS LATIN AMERICA IS CO-ORGANIZED BY INDA AND EDANA AND SUPPORTED BY ABINT



  www.edana.org



**Association of the
Nonwoven Fabrics Industry**
ADVANCING ENGINEERED MATERIAL SOLUTIONS

   www.inda.org

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EDANA wishes to thank its press partners. You will find their publications at the International Press Corner in the foyer area.

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www.timesinternational.in

McTissue

 **WTiN**

Wednesday 17th October, 2018

10.00 > 18.00

Registration at the Rixos Libertas Dubrovnik Hotel

Please wear your badge at all times for easier networking

11.00 > 11.45

WELCOME COFFEE & NETWORKING

11.45 > 12.00

Opening and Welcome



Martin Rapp, Chair of EDANA, Senior Vice-President & Composite Fibers Business Unit President, **Glatfelter Gernsbach** (Germany)

12.00 > 13.00

THE EU CIRCULAR ECONOMY AND PLASTICS STRATEGIES AND THEIR IMPACT ON THE ABSORBENT HYGIENE PRODUCTS INDUSTRY

- The circular economy package, plastic strategy and single-use plastic directive
- Provide a vision on a circular plastics economy
- Defining the role of the nonwovens industry in the circular economy



KEYNOTE SPEECH

Werner Bosmans, Coordination Plastics Strategy, DG Environment, **European Commission** (Belgium)

13.00 > 14.00

LUNCH AND NETWORKING

14.00 > 16.00

CIRCULAR ECONOMY/SUSTAINABILITY



MODERATOR

Ioannis Hatzopoulos, Global Baby Care Sustainability Communications, **Procter & Gamble** (Germany)



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#OUTLOOK2018



14.00 > 14.30

SMART POLYMERS AND BIOPLASTICS: DEVELOPMENTS AND POTENTIAL



- The global need for sustainable plastics
- Advances in smart and bioplastics
- Practical insights to bringing new materials to market
- Circular economy applications in the nonwovens sector

Dr. John Williams, Business Development Director,
Aquapak Polymers (United Kingdom)

14.30 > 15.00

WHAT A TREE CAN DO - INNOVATING TRACEABLE RAW MATERIAL INTO NEW VALUE-ADDING PRODUCTS



- Anything made out of fossil-based materials today can be made out of a tree tomorrow – by extracting more value from same raw material
- What are the drivers of innovation, what is innovation, how to run it and how to achieve a true circular economy approach?
- What role can fluff pulp play and what is required?

Kirsi Seppäläinen, VP Strategic Projects,
Stora Enso Biomaterials Division (Finland)

15.00 > 15.30

NEW BIO-REFINERY PROCESS FOR CELLULOSE WASTE MAKING THE IMPOSSIBLE POSSIBLE. A TRUE STORY WHERE EVERYONE WINS



- Reducing the environmental footprint of our products and operations working on solutions that improve the quality of our lives today with a circular economy mindset
- Recycling diapers, transforming them in secondary raw materials that can be fed in new production processes from many types of industries
- Getting worth from waste is the future and a win for everybody: environment, citizens, municipalities, waste operators and industry

Massimiliano Schietroma, Biorefinery Development Leader,
Fater SMART (Italy)

15.30 > 16.00

INSPIRED BY THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

- The UN development of the 17 Sustainability Development Goals and the 2030 agenda
- Essity's approach to UN SDGs and our sustainability work
- Partnering with others and create synergies



Susan Iliefski Janols, VP Product Sustainability,
Essity Group Function Sustainability (Sweden)

16.00 > 16.30

 COFFEE BREAK AND NETWORKING

16.30 > 18.00

WIPES



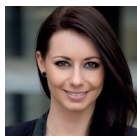
MODERATOR

Ian Anderson, Marketing Director, Nice-Pak International (UK)

16.30 > 17.00

ENHANCED FLUSHABILITY PROPERTIES OF FABRICS USING LYOCCELL FIBERS

- Monitoring the influencing parameters for the flushability performance of wet wipes
- Displaying lyocell properties
- Presentation of experimental results from the variation of fiber and process parameters



Dr. Stefanie Schlager, Project Manager R&D, Lenzing (Austria)



17.00 > 17.30

FLUSHABLE WIPES CAPACITIES VS. MARKET DEMAND OPPORTUNITIES AND THREATS IN A HIGH GROWTH, BUT OVERSUPPLIED MARKET



- Technologies, legislation & standards - GD4 and more
- Markets & the industry - A competitive landscape
- Opportunities to accelerate growth - Addressing consumer behaviour

Jonathan Bourget, Managing Director, **APIS REX** (Switzerland/Germany)

17.30 > 18.00

NONWOVENS ARE NOT JUST CARRIERS IN A WIPE. 50 YEARS, (ALMOST) OF WIPES PRODUCT DEVELOPMENT



- Historical perspective
- Key milestones and drivers
- Examples
- Where next?

Adrian Fellows, R&D Director, **GamaHealthcare** (United Kingdom)



19.00 > 21.00

EDANA NETWORKING EVENING at Rixos Libertas Dubrovnik Hotel

The ideal opportunity for relaxed networking

Dress code: business casual



Thursday 18th October, 2018

08.30 > 18.00

Registration at the Rixos Libertas Dubrovnik Hotel

Please wear your badge at all times for easier networking

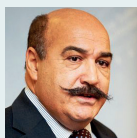
08.30 > 09.00

WELCOME COFFEE & NETWORKING

09.00 > 10.00

THE CHANGING WORLD OF ENERGY AND PETROCHEMICAL FEEDSTOCKS - THE GEOPOLITICAL CHALLENGES AND NEW ENERGY PARADIGM

- Energy is the base of economic growth and social development
- Europe is focusing on an energy transition, a challenging objective
- The rest of world is taking another way
- What might be the consequences?
- Prospects for petrochemical feedstocks



KEYNOTE SPEECH

Prof. Samuele Furfari, Professor-Geopolitics of Energy

Free University of Brussels - Polytechnic School (Belgium)

Former Adviser to DG Energy, European Commission

10.00 > 10.30

COFFEE AND NETWORKING



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#OUTLOOK2018



10.30 > 12.30

MARKET



MODERATOR

Johan Berlin, Managing Director, **Investkonsult** (Sweden)

10.30 > 11.00

STATUS OF THE MARKET OF ABSORBENT HYGIENE PRODUCTS IN SOUTH-EAST EUROPE



- South-Eastern Europe market characteristic-market shares
- Consumers profile and habits
- Consumers purchasing power
- Regional differences

Danijela Alilovi, R&D, **Violeta** (Bosnia and Herzegovina)

11.00 > 11.30

INFORMATIONAL TRENDS IN NONWOVENS (& ELSEWHERE)



- Our communication environment today
- Informational trends in nonwovens
- Signals from the future

Matthew Carey, Publisher, **Nonwovens Industry** (United States)

11.30 > 12.00

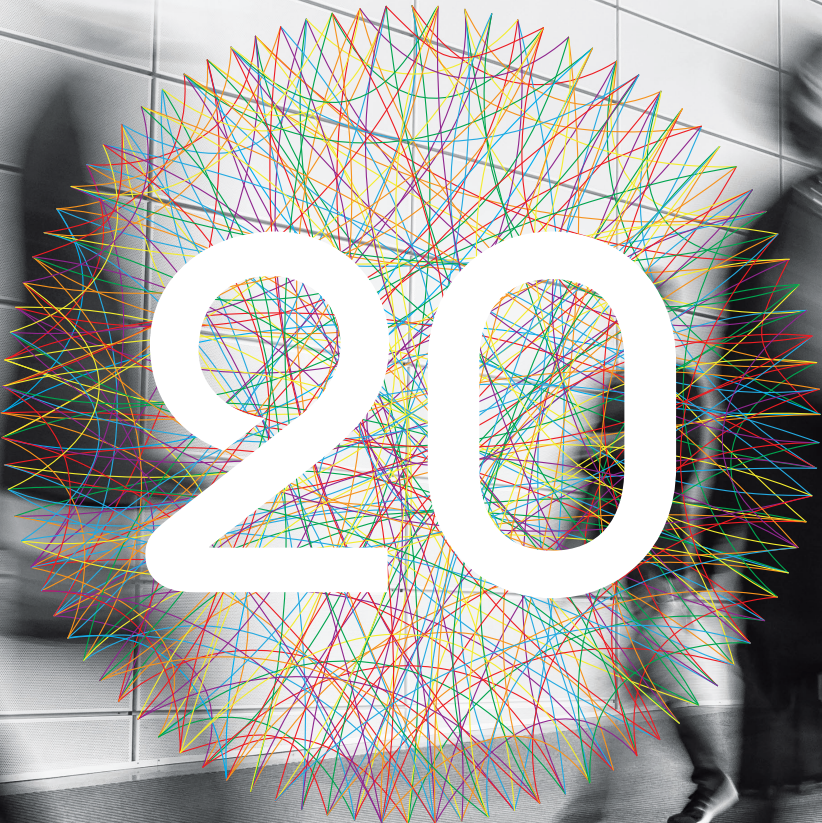
KEY PARAMETERS EFFECTING ADL ADHESIVE BONDING PERFORMANCE ON BABY DIAPERS



- Why is ADL performance now more in focus?
- How to improve ADL bonding under changing conditions
- Results from different bonding parameter testing

Selda Colak Akbasli, Hygiene Sales Manager, **HB Fuller** (Turkey)

Where nonwoven
innovations happen



20

index™

world's leading nonwovens exhibition

31 March - 3 April 2020
Palexpo, Geneva

indexnonwovens.com



12.00 > 12.30

ADVANCES IN SUSTAINABLE ABSORBENTS FOR THE HYGIENE INDUSTRY



- Demand for sustainable products is increasing
- Sustainability needed in sourcing, manufacture, & reuse
- Absorbents: one of the last impediments to sustainable diapers
- A sustainable option for diaper absorbents

Tyler Tibbits, VP Sales & Marketing, **TETHIS** (United States)

12.30 > 14.00

 LUNCH & NETWORKING

14.00 > 16.00

TESTING



MODERATOR

Krzysztof Daniel Malowaniec, Senior Vice President,
Paul Hartmann (Germany)

14.00 > 14.30

AN INVESTIGATION OF LABORATORY TEST METHODS FOR PREDICTING THE IN-USE LEAKAGE PERFORMANCE OF INCONTINENCE PADS IN NURSING HOMES

- Comparison of the absorption before leakage (ABL) method and the Rothwell method
- Analysis of In-use and pooled technical data from trials by 6 companies of 12 products using both methods
- The ABL method showed poorer repeatability and reproducibility than Rothwell, but correlated better with in-use data
- ABL method a potential new international standard?



Alan Cottenden, Emeritus Professor of Incontinence Technology,
University College London (United Kingdom)

14.30 > 15.00

TOWARDS THE FINALISATION OF THE ISO TEST METHOD ON ABSORPTION BEFORE LEAKAGE OF ADULT INCONTINENCE PRODUCTS

- Background and motivation for the creation of an ABL test
- Challenges that have been discovered
- Improvements and further iterations
- Outlook for the forthcoming work



Jens Hellmold, Group R&D Manager Product Technology, Ontex (Germany)

15.00 > 15.30

THE SPIN FINISH – A QUESTION MARK IN ABSORBENT HYGIENE PRODUCTS?

- General tasks of a spin finish
- Assessment of spin finishes
 - Test Methods to evaluate its performance as process aid
 - Test Methods to determine functionality
- EDANA's working group "Tests and Standards"
- The platform for evaluation of relevant test methods
- Newest developments in spin finishes for AHPs



Dr. Gerhard Markus Braendle, Head of Application Lab Fibre Auxiliaries, CHT (Germany)



Dr. Michael Bildhauer, Head of Application Field Fibre Auxiliaries, CHT (Germany)

15.30 > 16.00

STATE OF THE ART OF ODOR TESTING WITH A SPECIAL FOCUS ON THE HYGIENE INDUSTRY

- Introduction to odour testing
- Overview of sensory and molecular methodologies for proving odour reduction or identifying malodours
- Case studies



Nathalie Nibbe, Senior Consultant, Olfasense (Germany)



16.00 > 16.30

 COFFEE AND NETWORKING

16.30 > 18.30

PROCESS



MODERATOR

Marines Lagemaat, Scientific & Technical Affairs Director,
EDANA (Belgium)

16.30 > 17.00

INNOVATIVE NONWOVEN SOLUTIONS FOR THE COMPETITIVE HYGIENE AND MEDICAL NONWOVENS INDUSTRY



- Challenges in the hygiene and medical nonwovens Industry
- Innovative and cost-efficient solutions
- Technology highlights

Ingo Mählmann, Vice President, **Oerlikon Nonwoven** (Germany)

17.00 > 17.30

HIGH EFFICIENT INLINE WET FINISHING OF SPUNBONDED NONWOVENS



- Kiss-roll as inline-component in spunbond nonwoven lines
- Comparison of full bath finishing, foam impregnation and kiss-roll application
- Low energy consumption in case of minimum liquor pickup by kiss-roll
- Kiss-roll application with corona treatment

Dr. Ing. Ulrich Heye, Scientific Staff, Center in Excellence in Nonwovens,
Sächsisches Textilforschungsinstitut (STFI) (Germany)

17.30 > 18.00

INNOVATION IN HIGHLOFT NONWOVENS

- Spunbond nonwovens currently have multiple end-uses in hygiene products
- Bico solution in combination with the airtrough technology now offers the possibility to develop new lofty products
- Airtrough technologies are key to develop these products and leading the way in the 2 nonwoven processes Spunlaid and Drylaid
- Overview of the latest advancements in the technologies and their applications to meet the needs of the hygiene market



Pascal Denizart, CEO,
European Center for Innovative Textiles (France)



Melanie Monceaux, R&D Engineer,
European Center for Innovative Textiles (France)

18.00 > 18.30

SMART SOLUTIONS IN HYGIENE COMFORT: A UNIVERSAL APPROACH

- The consumer perspective in hygiene
- Addressing the consumer perspective



Kelly Wright, PCC Product Expert,
Mondi Consumer Packaging (Austria)



19.30 > 21.30

THE OUTLOOK™ COCKTAIL PARTY

at Museum of Modern Art Dubrovnik

19.10 buses depart from the Rixos Libertas Dubrovnik Hotel, and return at 21.30.

The ideal opportunity for relaxed networking

The largest museum of modern art in Dubrovnik is housed in a beautiful Gothic mansion, once owned by members of a local shipping dynasty. Founded in 1945, this museum presents a collection of three thousand artworks from the end of the 19th to the end of World War II. Artists showed here are related to the Dubrovnik region, which makes this museum really a special place. The cocktail will take place in the sea-facing sculpture garden. The villa's terraces also overlook the old town, offering a lovely view of its terracotta rooftops.

Dress code: business casual

EDANA Training Courses

enable companies in the nonwovens industry to keep abreast of developments in the manufacture, conversion and applications of nonwovens.



THE NONWOVENS LEARNING CYCLE™



NONWOVENS INTRODUCTION

The world of nonwovens
WEBINAR

22 JANUARY 2019

14 MAY 2019

10 SEPTEMBER 2019



INTERMEDIATE COURSE

Manufacturing technologies & raw materials
VISIT TO CETI FACILITIES

26-28 FEBRUARY 2019

21-23 MAY 2019

17-19 SEPTEMBER 2019



ADVANCED COURSES

Production parameter and how to use to modify
product properties
ON CETI WORLD-CLASS PILOT FACILITIES

CARDING

13-14 MARCH 2019

16-17 OCTOBER 2019

SPUNBOND / MELTBLOWN

05-06 DECEMBER 2018

12-13 JUNE 2019

04-05 DECEMBER 2019



GUIDED DEVELOPMENT

Innovation, product development, market research,
business plans and marketing

IN CETI FACILITIES

03-04 JULY 2019

Fundamentals in Filtration

The use of nonwovens
in filtration



18-19 JUNE 2019



Absorbent Hygiene Products

Baby diapers, sanitary products
& adult incontinence



13-14 NOVEMBER 2018

24-25 APRIL 2019

29-30 OCTOBER 2019



Friday 19th October, 2018

08.30 > 11.00

Registration at the Rixos Libertas Dubrovnik Hotel

Please wear your badge at all times for easier networking

08.30 > 09.00

 WELCOME COFFEE & NETWORKING

09.00 > 12.15

INTERACTIVE WORKSHOP: BUILDING STAKEHOLDER TRUST IN ABSORBENT HYGIENE PRODUCTS

Based on over 30 years of mostly inward-oriented product stewardship, gained through experience-sharing between member companies in support to the nonwovens and related products industries, EDANA is now engaged in a more radical journey. Facing requests for more transparency about product composition and raw materials, and the renewability and/or recyclability of these, the nonwovens supply chain should have no hesitation anymore to publicly share its demonstrated record of product safety and to engage in stakeholder dialogue on its drive and transition towards new models for delivering the numerous benefits of nonwoven-based products. The industry as represented by EDANA has a strong case of responding to global challenges and meeting essential needs from personal, healthcare, protection and air filtration, to sustainable mobility, agriculture, building and civil engineering.

Lately, the attention of stakeholders such as consumer associations and media has focussed on trace chemical contaminants found in products such as baby diapers and feminine hygiene products at levels close to detection limits of the most sophisticated analytical test methods.

This session and the panel discussion which follows is intended to provide a broad perspective from different angles on how to approach the issue and close the gap between what both industry and authorities consider as a sound and safe status, and consumers' and NGO concerns.



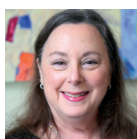
MODERATOR

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

Be part of the interactive experience, have your questions ready.
Your opinion matters! Interact with speakers and debate with peers.

09.00 > 09.45

ETHICAL BUSINESS PRACTICE AND ETHICAL BUSINESS REGULATION: A Behavioral and Values-based Approach to building trust in business



- Culture eats compliance for breakfast!
- It's not the "bad apples" you need to be concerned about
- All for one, and one for all - in literature and in industry sectors

Ruth Steinholtz, Founder and Principal, **AretéWork LLP** (United Kingdom)

09.45 > 10.15

THE EU GENERAL PRODUCT SAFETY DIRECTIVE AND INDUSTRY VOLUNTARY CODES OF PRACTICE:



- How this framework provides an adequate response to consumer protection needs

Eva Sinkovic, Policy Office Directorate-General for Justice and Consumers – Product Safety and Rapid Alert System
EU Commission (Belgium)

10.15 > 10.35

COFFEE BREAK

10.35 > 11.05

A SURVEY OF HAZARDOUS CHEMICAL SUBSTANCES IN FEMININE HYGIENE PRODUCTS



- Scope of the survey
- Purpose of the Swedish Government
- Findings - general conclusion

Amanda Rosen, Inspector, Enforcement of Rules - Pesticides and Articles
KEMI Swedish Chemicals Agency (Sweden)



11.05 > 11.35



THE INDUSTRY VOLUNTARY INITIATIVE ON SUBSTANCES OF INTEREST

A comprehensive EDANA safety code of good practice dedicated to the absorbent hygiene products supply chain is under way



Thomas Broch, Regulatory & Scientific Affairs Manager,
Fibertex Personal Care (Denmark)

Bart Waterschoot, Group Sustainability & Scientific Affairs Manager,
Ontex (Belgium)

11.35 > 12.20



PANEL DISCUSSION: CONCLUSIONS – TENTATIVE CONSENSUS STATEMENTS

All Speakers with

Nadia Viva, Vice-President Communications
Procter & Gamble (Switzerland)

12.20 > 12.30



CLOSING REMARKS

Pierre Wiertz, General Manager **EDANA** (Belgium)

12.30 > 13.30

 GOODBYE DRINK

All presentations & moderated sessions will be held in English.

No simultaneous translation provided.

This programme may be subject to last-minute changes and cancellations.

The opinions expressed in the papers presented are those of the authors, and not necessarily those of EDANA. EDANA assumes no responsibility for these opinions or for accuracy of the information contained.

SAVE THE DATES



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THE WORLD'S
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**NONWOVEN
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9 – 11 October, 2019

ATHENS
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