

# FOSTEX

## ADVANCED TEXTILES' MASTERCLASS

8/06/2021

from 11 to 13h CEST

*Advanced textile manufacturing technologies*

15/06/2021

from 11 to 13h CEST

*Transition to advanced textile materials – making it viable*

22/06/2021

from 11 to 13h CEST

*Innovation in advanced textile materials*

29/06/2021

from 11 to 13h CEST

*Sustainability in advanced textile materials – making it green*

[Registration link](#)



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8/06/2021

## Programme

# Advanced textile manufacturing technologies

### 11.00h – 11.10h Welcome

Mònica Ardanuy, UPC (Spain)

Josep Casamada, AEI Tèxtils (Spain)

### 11.10h – 11.40h Overview on textile manufacturing technologies (spinning/knitting/weaving/nonwovens)

Luminita Ciubanu, Gheorghe Asachi Technical University of Iasi (Romania)

### 11.40h – 12.10h Innovation in fibers and composites

Fernando Cunha, Fibrenamics (Portugal)

### 12.10h – 12.40h Functionalization finishing processes

Myriam Vanneste, Centexbel (Belgium)

### 12.40h – 13.00h Q&A

Moderated by Eleonora Perotti, CIAPE (Italy)

8/06/2021

## Speakers

# Advanced textile manufacturing technologies

Dr. Luminita Ciobanu is associate professor at the Gheorghe Asachi Technical University of Iasi, Department of Knitting and Clothing Engineering. She specializes in knitting technologies, especially design of knitted structures and technical knitted materials (her PhD thesis discussed the design of 3D knitted fabrics with complex architecture for composite preforms).

She published 3 chapters abroad, 4 books and over 130 papers, 28 of which are ISI indexed.

She is author/co-author of 3 national patents. She is also involved in ERASMUS+ projects.



Luminita Ciobanu



Fernando Cunha is a Textile Engineer Master, since 2012, from the University of Minho, where he acquired skills in multifunctional textiles, he is post-graduated in Business Administration, since 2016, from Porto Business School.

Currently, he is a Executive Director of Fibrenamics International Platform of University of Minho, an interface of University of Minho for the development of advanced solutions based on composite materials and fibrous structures.

Throughout his career, he has had the opportunity to work in several research and innovation projects in different areas, such as construction, automotive, textiles, architecture, defence or medical ones. As main technical skills acquired includes product engineering, smart and multifunctional composite materials, advanced structures, processing and analysis techniques, in collaboration with national and international reference companies.

He is the author of more than 45 scientific publications on development of advanced composite materials, characterization techniques, compatibility of materials, among other topics, and holder more of 10 patents and utility models.

Fernando Cunha

Myriam Vanneste has a PhD in polymer chemistry at the Catholic University of Leuven (KULeuven) - Belgium.

She started in 1994 a postdoctoral thesis at Centexbel (Belgian Textile Competence Centre) in cooperation with the KULeuven regarding the use of compatibilised PP/PA blends in textiles.

From 1997 to 2006 Myriam was researcher scientist at Centexbel in the domain of yarn engineering working on subjects like heatsetting, spin-finish, texturing, yarn uniformity, hydrophilic/hydrophobic yarn/tapes...

In these projects a lot of effort was done towards the set-up of techniques for measuring various yarn properties such as crimp and shrinkage, diameter, entanglements (assessment of yarn uniformity), friction, contact angle

Since 2006 until today she is manager in R&D division, regarding coating & finishing of textiles "Textile Functionalisation & Surface Modification". Key topics are amongst other sustainable coatings and additives, energy friendly processes and smart coating & printing.



Myriam Vanneste

15/06/2021

## Programme

# Transition to advanced textile materials – making it viable

### 11.00h – 11.10h Welcome

Mònica Ardanuy, UPC (Spain)

Ariadna Detrell, AEI TÈXTILS (Spain)

### 11.10h – 11.40h Investment feasibility and business modelling to start a new startup in the area of advanced textile materials

Àlex d'Espona, BANC - Business Angels Network of Catalonia  
(Spain)

### 11.40h – 12.10h New business models with smart textiles

Daniela Zavec, TITERA (Slovenia)

### 12.10h – 12.40h Transition towards advanced textile materials

Jaime Cabré, LIASA (Spain)

### 12.40h – 13.00h Q&A

Moderated by Désirée Scalia, CIAPE (Italy)

15/06/2021

## Speakers

# Transition to advanced textile materials – making it viable



Alex d'Espona

Àlex d'Espona is currently the coordinator of Business Angels Network Catalunya, BANC, a nonprofit organization whose mission is to help entrepreneurs and early-stage companies access the business angel capital markets.

Àlex has been working in BANC for 14 years, giving support to entrepreneurs on company creation, scaling strategies, business modelling and startup financing.

He is trainer and member of the European Network EBAN.

Àlex holds an MSc in Telecommunications engineering from the Polytechnical University of Catalunya and an MBA from ESADE business school.

Dr. Daniela Zavec, Expert on Smart Textiles, is the consultant providing tech and business solutions from ideas up to approved and functional products. Bridging the gap between the science and industry is her passionate skill. By understanding different ways of thinking she reached another dimension of competitiveness. As a founder of TITERA in 2013 she launched several business solutions for ideation of novel ideas and advanced developments considering cross-sectoral aspects.

In addition, based on her wide overview of smart textile supply chain worldwide, she became the technical adviser of European Textile Platform for the Masterclass Innovating in Smart Textiles.

Considering the technical norms for smart textile products she joined to the standardization working group CEN TC 248 WG31 Smart Textiles Electronics. When it comes to the knowledge exchange she is open to share it through coaching and lecturing trainings.



Daniela Zavec



Jaime Cabré

Jaime Cabré is CEO of LIASA since 2002 and Vice President of the Textile Holding LIASA and CINPASA. Early role at company as Export Manager.

LIASA is a manufacturing company established in 1918 that manufactures cords, elastic cords and polypropylene yarns. CINPASA provides solutions with textile tapes to reinforce, to hold and to transport products.

He has a Bachelor of arts in International Business and an MBA. He has solid experience in international markets, gained as Big Accounts Director at advisory and broker agency Willis Towers Watson.

22/06/2021

## Programme

### Innovation in advanced textile materials

#### 11.00h – 11.10h Welcome

Mònica Ardanuy, UPC (Spain)

Josep Casamada, AEI Tèxtils (Spain)

#### 11.10h – 11.30h Hydrophobic and oleophobic textile finishing with reduced environmental impact

Ruth García, LEITAT (Spain)

#### 11.30h – 11.50h Textile vs Skin: release of active principles from textiles

Meritxell Martí, IQAC-CSIC (Spain)

#### 11.50h – 12.20h Textiles in the field of health and hygiene

Luciano Boesel, EMPA (Switzerland)

#### 12.20h – 12.40h The use of nonwovens: melt blown/spun blown

Simon Fremeaux, CETI (France)

#### 12.45h – 13.00h Q&A

Moderated by Désirée Scalia, CIAPE (Italy)

22/06/2021

## Speakers

# Innovation in advanced textile materials



**Ruth Garcia**

Ruth Garcia Campà holds a degree in Chemical Engineering and a master's degree in Industrial Engineering, specialized in technical textiles and multifunctional structures, from the Polytechnic University of Catalonia. Since 2016, she is working at Leitat Technological Centre in the Surface Chemistry Unit.

Her main research areas are focused on the surface modification and functionalization of fibers, yarns and textiles: textile finishing (flame retardants, water and oil repellents, antimicrobial, low or high friction, among others), textile dyeing and plasma technology applied to textiles for activation or functionalization.

Her research also focuses on developing and promoting new sustainable and environmentally friendly solutions in the textile sector to reduce the environmental impact associated to textile processes.

Meritxell Martí is doctor engineer for the Polytechnic University of Catalonia.

She works at the Institute of Advanced Chemistry of Catalonia, one of the research centers of the Spanish National Research Council (CSIC). She is member of the board of the Spanish Association of Textile Chemists and Colorists.

She works with biofunctional textiles and their interaction with human skin, she also works in hair research and she studied the internal wool lipids and their use in pharmacology and cosmetic fields, and has more than 80 international publications, is the author of 5 patents and has participated in several congresses.



**Meritxell Martí**

Dr. Luciano F. Boesel is currently Group Leader at Empa, the Swiss Federal Laboratories for Materials Science and Technology, in Switzerland.

He has a PhD in Materials Science and Technology from the Univ. of Minho (Portugal). Before joining Empa in 2010, he was a Marie Curie Research Fellow at the Institute of Science and Technology of Polymers (CSIC, Spain) and an Alexander von Humboldt Fellow at the Max-Planck Institute for Polymer Research (Germany).

His main focus of activities are the study of the interaction between optically active molecules and polymers, the control of their nanoscale arrangement, and the development of biomedical applications with those materials.



**Luciano F. Boesel**

Simon Fremeaux Graduated as Textile Engineer more than 15 years ago. He began its career in the filament polyamide 6-6 producer and then joined DOUNOR, a Spunbond and Spunmelt manufacturer for hygiene products where he was in charge of the management of Technical Services.

He joined then CETI in 2010 participating at the selection & implantation of nonwovens equipment.

Now as Technical Director, with the help of its engineers team, he manages private and collaborative R&D projects to develop sustainable solutions from designing solutions to prototyping products at an industrial scale.



**Simon Fremeaux**

29/06/2021

## Programme

# Sustainability in advanced textile materials – making it green

### 11.00h – 11.10h Welcome

Mònica Ardanuy, UPC (Spain)

Ariadna Detrell, AEI TÈXTILS (Spain)

### 11.10h – 11.45h Sustainability - valorization of textile waste in products with strong added value - Regenerated yarns or non-wovens

Daniele Spinelli, NTT (Italy)

### 11.45h – 12.10h Recycled and sustainable yarns

Joan Santamaria and Francesc Solà, Hilaturas Arnau, S.L. (Spain)

### 12.10h – 12.40h R&D in recycling process - circular economy

Vaida Jonaitienė, KTU – Kaunas University of Technology (Lithuania)

### 12.40h – 13.00h Q&A

Moderated by Désirée Scalia, CIAPE (Italy)



29/06/2021

## Speakers

# Sustainability in advanced textile materials – making it green



**Danielle Spinelli**

PhD degree in Chemical Sciences (University of Siena). Since 2017 he is working in Next Technology Tecnotessile as member of the chemical and technological research unit.

He has a wide experience in EU funded projects: Biscol and Smartpro (FP Programme), Photocytex (Life Programme), Optisolv (Eurotransbio), Waste2Fuels, Smartpro, Bio4Self, Ecobulk, Sealive, Preserve and Sunrise (H2020), Bluenet and Fish4Fish (EMFF).

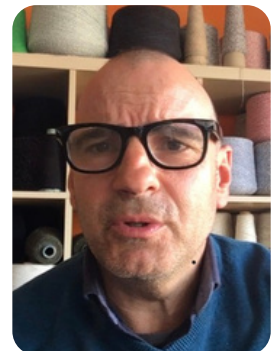
He is also responsible of the environmental evaluation of industrial value chains by LCA methodology.

Joan Santamaria, is CEO at Hilaturas Arnau, S.L. since 2003 and previously business development manager since 1990.

He has a BSc in business administration by the Autonomous University of Barcelona (UAB) with a minor in marketing and publicity.

He also founded another company, Aturvite, where he served as Business Development Manager for 10 years.

His large drive for innovation has led Hilaturas Arnau to be at the forefront of speciality yarn spinning using recycled fibers with a growing branding encouraging the circular economy.



**Joan Santamaria**



**Vaida Jonaitienė**

Vaida Jonaitienė has 20 years of academic experience working as a lecturer at Kaunas University of Technology, 15 years of experience in cooperating with Lithuanian textile and clothing companies, as well as scientific experience working in the field of materials engineering. Gained a lot of experience in implementing ideas in activities, working in interdisciplinary teams.

Has work experience in encouraging textile companies to implement energy efficiency solutions.

Advises Lithuanian companies on textile engineering issues and helps to implement research results in industry.

She led research and experimental development R&D projects and provided expert services to companies.

Areas of competence - analysis of fibrous materials production technologies, selection of technologies for processing textile materials into new products, transition from linear to circular production. More than 20 technological audits have been performed in manufacturing companies.

# FOSTEX



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