

CONFERENCE

31st January 2019

# context

📍 Residència d'Investigadors • C/Hospital, 64 • BARCELONA



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# WELCOME

## CONTEXT CONFERENCE

31st January 2019



## ABOUT **context**

CONTEXT, the European Network to connect research and innovation efforts on Advanced Smart Textiles, has been set in the framework of COST (European Cooperation in Science and Technology), the longest running European framework.

The main objective of CONTEXT is to join efforts at European level to facilitate the market uptake of new advanced textile materials, reducing the gap between research and industry. This goal can only be achieved involving all the major stakeholders of the process: universities, technological centers, industry and end-users under the coordination from one of the main tools which contributes to the improvement of competitiveness and productivity of the different economic sectors in the European environment: the clusters.

CONTEXT is structured in 6 working groups, 5 of them focused on different applications of advanced textile materials: healthcare/medical, automotive and aeronautics, personal protection, building and living, sports and wearables. The sixth group focus is dissemination and communication.





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### THE CONFERENCE

The CONTEXT conference aims to publicly present the Network to main stakeholders, highlighting its origin and its added value in order involve the key players in the area of advanced textile materials such as researchers, the textile industry and the final users.

Experts in different fields will present the trends on advanced textile materials' developments in the CONTEXT final applications: healthcare/medical, automotive and aeronautics, personal protection, building and living, sports and wearables.

Practical examples addressed to textile SMEs to apply digitalization, circular economy and other trending topics will be analyzed by experts from different fields.

Success stories of textile SMEs will show that research is not so far from the industry, and that there are real possibilities to succeed, and how clusters foster cooperation which is in fact a key for success.

The closing conference will feature an entrepreneurship success story including how her attitude led to the founding of several successful companies.

# PROGRAM

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**9.00 – 9.30 Registration – coffee**

**9.30 – 10.00 WELCOME**

*Representative of the Catalan Government*

*Mr. Càndid Penalba, President of Consejo Intertextil Español*

**CONTEXT: why, who and how**

*Dr. Ariadna Detrell, AEITÈXTILS (Spain), CONTEXT Chair*

*Dr. Bruno Mougín, TECHTERA (France), CONTEXT Vice-Chair*

**10.00 – 11.15 The trends.** Chaired by: Mr. Paulo Cadeia, CITEVE (Portugal)

*Textiles in healthcare and medicine*

*Dr. Yesim Oguz, IFTH (France)*

*Textiles in automotive and aeronautics*

*Dr. Raul Fanguero, University of Minho (Portugal)*

*Textiles in personal protection*

*Dr. Daniela Zavec, Titera (Slovenia)*

*Textiles in building and living*

*Dr. Enrico Venturini, Next Technology Tecnotessile (Italy)*

*Textiles in sports and wearables*

*Dr. Vincent Nierstrasz, University of Borås (Sweden)*

**11.15 – 11.45 Coffee break**

**11.45 – 13.00 Roundtable: What is the reality of digitalization and sustainability in the advanced textiles' industry?**

Chaired by: Dr. Mònica Ardanuy, Polytechnic University of Catalonia (Spain)

*Dr. Omar Cherkaoui, ESITH (Morocco), Mr. David Garcia, FITEX/MODACC (Spain),*

*Dr. Volker Lutz, ITA (Germany), Mr. Dieter Stellmach, DITF (Germany).*

**13.00 – 14.15 Lunch**



## 14.15 – 16.45 10 Success stories: How research has reached the market

Chaired by: Dr. Georgios Priniotakis, University West Attica (Greece)

*Manifattura Maiano (Italy)*

*Lenzi Egisto FF (Italy)*

*Sensing-Tex (Spain)*

*Manufacturas Arpe (Spain)*

*Belda Llorens (Spain)*

*Mapea (France)*

*Brochier (France)*

*Smart@Fire Project (Slovenia)*

*Damel (Portugal)*

*Texinov (France)*

## 16.45 – 17.00 Clusters, cooperation as a key for success

*Mr. Felipe Carrasco, Regiotex Coleader*

## 17.00 – 17.30 Closing conference: Successful entrepreneurship: perseverance, self-demanding, effort and risk

*Dr. Penelope Shihab, Monojo Biotech CEO (Jordan)*

**Closure:** Mr. Sergi Artigas, President of AEI TÈXTILS

## 17.30 – 18.30 Networking space



# REGISTRATION

Fee: 40 €+VAT for non-CONTEXT members

Registration should be done by using the online form.

<https://goo.gl/forms/3FYsmlkULwM5SZZz2>

Confirmation will be made by rigorous order of inscription, due to the limited capacity of the conference room.

# SPEAKERS

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## **Dr. Penelope Shihab (Jordan)**

Director and founder of Royale Therapeutics Limited, CEO and founder of MonoJO, SKINUE /Columbia Biotech USA LL, Applied Scientific Research Fund- ASRF

A dynamic Jordanian entrepreneur, who has successfully founded and led a biotech SME in Jordan. With one cosmetic line, in the market, I have an extensive experience in launching, directing, planning, tracking, and managing companies. I have proven ability in leading teams and managing companies in fast-changing environments, and I won EY's Emerging Entrepreneur of the Year, Jordan award, and ranked 16th in the World's 100 Most Influential Arabs 2017 list by Arabian Business.

I aim to increase innovative biotech and scientific research awareness in Jordan and the Middle East, and influence women and young professionals all around the world to become leading entrepreneurs and business leaders.



**Dr. Ariadna Detrell,**  
AEI TÈXTILS (Spain), CONTEXT Chair

Ariadna Detrell, Cluster Manager at AEI TÈXTILS, the Catalan technical textiles cluster, has a PhD in Industrial Organization Engineering, a Diploma in Industrial Chemistry and a Diploma of Advanced Studies on Textiles, all of them by the Technical University of Catalonia. She has experience in the field of advanced textile materials, in research, development and innovation projects' management and in diversification strategies' development. She is member of the Programme Committee of the Dornbirn Global Fibers Congress and President of the Association of Textile Industry Technicians (ATIT). She is author or co-author of 12 books/research monographs, 41 articles and 22 conference papers.



**Dr. Bruno Mougin,**  
TECHTERA (France), CONTEXT Vice-Chair

Bruno Mougin has an educational background in chemistry and materials with a title of engineer from the National School of Engineering of chemistry of Clermont-Ferrand, a master degree in chemistry of interactions and a PhD in chemistry of materials (polymer nanocomposites). He made the decision very soon to work at the interface of business and research & development. First he worked as an R&D engineer in Solvay (ex-Rhodia) and then moved to innovation sector. He worked as project leader with a consortium of companies (Holding Textile Hermes, Arjowiggins, Thuasne, Rexor, Sofileta, Bernard Dumas) and is now project manager in the cluster Techtera. He is in charge of projects building and management, quality management (ISO 9001), and international cooperation.



**Mr. Paulo Cadeia,**  
CITEVE (Portugal)

Paulo Cadeia is the head of Innovation Management Department of CITEVE with more than 15 years of experience in Project Management, Entrepreneurship and IPR issues. Graduated in Engineering of Informatics and Systems, at Minho University and Specialization in Software Engineering, at INESC he's Project Manager and reviewer of R&D national and European projects. His fields are technological consultancy & development, R&D + Innovation, Technology Watch, Environmental Technology, Energy Management, Health & Safety and Quality Management.





**Dr. Yesim Oguz,**  
IFTH (France)

Yesim Oguz Guillart is Project manager specialized in smart textiles at IFTH (French institute of textile and clothing). She has a PhD in automatic and signal treatment and a Master diploma in textile engineering by ENSAIT. She has experience in the field of smart textiles. She is author or co-author of 2 books, 1 article and 6 conference papers.



**Dr. Raul Fanguero,**  
University of Minho (Portugal)

Raul Fanguero is currently professor and senior researcher in the School of Engineering at the University of Minho. He is the Head of the Fibrous Materials Research Group of the same university with expertise in advanced materials (nano, smart, composites) and structures (3D, auxetic, multiscale) with 40 researchers. He is the mentor and the coordinator of the FIBRENAMICS International Platform ([www.fibrenamics.com](http://www.fibrenamics.com)) including 300 partners developing promotion, dissemination, technology transfer and research activities on fiber-based advanced materials. He has more than 145 published papers in international reputed scientific journals, 400 conference publications, 36 books and 14 patents. He is the scientific coordinator of several national and international research projects on advanced fibrous and composite materials.







**Dr. Daniela Zavec**  
TITERA (Slovenia)

PhD in Textile Engineering at University of Maribor, Faculty of Mechanical Engineering, Department of Design and Textile Materials. Textile, Human Comfort and Smart Clothing expert at TITERA Ltd. Slovenia. An expert in development of functional textile and flexible products with aim to improve human comfort, well-being and safety. Technology scout for the technical and human progress. Expert of CEN / TC 248 / WG 31 - Smart Textiles – Electronics and of DIN »Smarte Bekleidung – Aktiv leuchtende Warnwesten“. Coordinator of national and European R&D projects. President of Textile Association in Slovenia.



**Dr. Enrico Venturini,**  
Next Technology Tecnotessile (Italy)

Enrico Venturini is Senior Researcher and Project Manager at Next Technology Tecnotessili. He has a University Degree in Economics and a Business Administration and Textile Technician Diploma. After taking a Textile High School Diploma, he graduated in Economics at the University of Florence. He then specialised in Industrial Quality Control and developed significant experience in this field within textile companies. Since 1996 he has been holding the position of Project Manager at Next Technology Tecnotessile, for research projects. He has also a qualified trainer in the textile sector. He has participated to several EU projects.





**Dr. Vincent Nierstrasz,**  
University of Borås (Sweden)

Vincent Nierstrasz is a professor in Textile Materials Technology at the University of Borås since November 2011. He was previously appointed at Ghent University as senior researcher and Marie Curie fellow. At University of Twente he was appointed as assistant professor. He holds a PhD degree from Delft University of Technology, and a MSc degree from Wageningen Agricultural University. His research focuses on in surface modification and functionalisation of textile materials for production functional and smart textiles. He was involved in several EU (Cost Actions, Crosstexnet, FP5, FP6, FP7, H2020), nationally and industrially funded projects. He is also a foreign member of the Royal Holland Society of Sciences and Humanities (KHMW).



**Dr. Georgios Priniotakis,**  
University West Attica (Greece)

Georgios Priniotakis is an Associate Professor in University of West Attica, School of Engineering, Dept. of Industrial Design and Engineering, Greece. His background is in Technical Textiles with focus on Intelligent Textiles and Sustainable Technology Solutions. For several years was National Representative of Greece to boards and committees in the activities of the European Research Area of embedded systems. He has published numerous scientific papers and he has many participations in International conferences the last 25 years. Reviewer in various Scientific Journals. Participated in a number of Research and Education Projects. Member of various Scientific conference committees and Chairman of the Organizing Committee of bi-annual conference AITAE.





**Dr. Mònica Ardanuy,**  
Polytechnic University of Catalonia (Spain)

Mònica Ardanuy is Associate Professor at the Textile Engineering Division of the Department of Ciència dels Materials (Universitat Politècnica de Catalunya-UPC) and head of the Polymers, composites & Textile Structures laboratory. Her main research lines are focused on polymer and cement based composite materials reinforced with cellulosic fibers (at levels macro, micro and nano) and technical textiles. She has more than 40 SSCI indexed publications in these fields in refereed journals and is co-author of two patents and various books & book chapters. She is currently participating in various Spanish & European projects. Since 2002, she has been teaching Materials & Textile Engineering courses at the undergraduate, master and doctoral level at the UPC and other European universities.



**Dr. Volker Lutz,**  
ITA (Germany)

Dr. Volker Lutz is working at the Institute für Textiltechnik at the RWTH Aachen University since 2013 and since 2014 he was leading the research group of system technologies. Since 2018 he is heading the department for additive and joining technologies, which covers technologies for ready-made garments and smart textiles. Mr. Lutz department is strongly engaged in the fields of smart textiles processes, 4D-Textiles and cut sew production technologies. A main research focus is given to upscaling of potential production technologies for Smart Textiles. Since 2016 Mr. Lutz is the operative director of the Smart Textronics Center (STC), a joint collaboration between ITA (Germany), KITECH (Korea) and SKKU (Korea).





**Dr. Omar Cherkaoui,**  
ESITH (Morocco)

Omar Cherkaoui has a doctorate in chemistry at the University Claude Bernard of Lyon. He has been a professor-researcher at ESITH since 1997. His subjects cover textile chemistry, textile finishing, polymer chemistry, and unconventional "technical textiles". Since 2009, he is in charge of the textile research laboratory "REMTEX". Currently, he's R&D Director at ESITH. He is responsible and member of the organizing committee of the ITMC International Conference on intelligent Textiles and Mass Customization. His scientific research focuses on the functionalization of textile fibers and the valorization of natural fibers and textile waste into products with high added value and in development of advanced textile materials. His scientific output is over 60 publications in indexed journals and 16 patents.



**Mr. David García**  
MODACC/FITEX (Spain)

Graduated in Industrial psychology. Diploma in Innovation management and diploma on general management by ESADE Business School. Degree in foundations management and administration by the economist professional college of Barcelona. In the past 17 years, he led several clusters in the textile and fashion fields, firstly the regional textile cluster of Anoia and then the Catalan Fashion Cluster. His mission has been to promote cooperative projects in order to increase of competitiveness of textile and fashion companies. In parallel, he has also led FITEX technological center aimed at the promotion of research, development and innovation in textile companies.





**Mr. Dieter Stellmach,**  
DITF (Germany)

Dieter Stellmach has graduated in Technical Cybernetics at the University of Stuttgart. Working since 1986 in the Center for Management Research at DITF, he is as senior project manager in responsible for research in organisation and management of sustainable value creation in networks, digitisation and individualisation, as well as for project development and management. As EU contact point he is coordinating the EU research activities at DITF, furthermore he is pro-active in networks and working groups for fibres and textile on European level (e.g. ETP Textiles).



**Mr. Felipe Carrasco,**  
ATEVAL (Spain)

Felipe Carrasco is Technical Manager at ATEVAL (Valencian Textile Business Association) and General Secretary at Consejo Intertextil Español (Spanish Textile Business Association). He is a degree in Enterprise Sciences and also holds an MBA and Essence of Cluster Excellence Management. With more than 15 years' experience in project management, he is an expert coordinator of European projects, he has a wide knowledge of the textile sector, which has brought him a great deal of contacts with companies in the sector at regional, national and international level. He is Associate Coach (Number CA 178 with skills covered: EXECUTIVE AND ENTREPRENEUR COACHING). He coleads the Regiotex initiative.



# SUCCESS STORIES



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