

Preface

Unfolding the Future is the motto of the 20th International AUTEX Conference, held on 5th to 9th September 2021.

Recognized as a reference among the textile scientific community, the AUTEX conferences gather every year a large number of researchers that share their ideas and achievements in various research and educational projects.

At the beginning of this new decade, very important challenges are being faced concerning the sustainability of our planet, that directly impacts the textile and fashion business. Also, the most recent global health threats enhance the societal relevance of textiles and the major contribute to protecting people and overcome this menace to Humanity.

The Autex2021 Conference was the right place to unveil and show the novel approaches, concerning materials, technologies and business models, that are being thought and developed.

Through the great number of communications presented on 20th AUTEX, the state of the art of multiple themes related to textiles, from materials to technology, from design to merchandising, from education to products, from sustainability to circular economy, was actually revealed and unfold the future of this industrial sector and, as fibrous materials are more and more omnipresent, certainly **Unfold our Future Way of Life.**

Guimarães, 5th September 2021

Fernando Ferreira
Conference Chairman

Topics

- The conference topics include:
- Advanced Fibres and Materials
- Innovative Functional Textiles
- Technical Textiles, Composites and Membranes
- Protective Textiles
- Medical Textiles, Tissue Engineering, Implants
- Smart, Interactive and Multifunctional Textiles
- Textile Processing, Innovative Textile Structures
- Nanotechnology, Nanotextiles, Electrospinning
- Biopolymers and Biotechnology
- Surface Functionalization and Coating
- Textile and Clothing Machinery
- Textile Testing, Measuring Technology
- CAD/CAE-Technology, Mass Customisation
- Modelling and Simulation
- Fashion – Design and Garment Industry
- Comfort Science
- Ecological and Environmental Textiles, Recycling and Life Cycle Analysis
- Textile Economy, Textile Supply Chain Management
- Innovation and Entrepreneurship
- Modern Textile Education and Training

About AUTEX

AUTEX stands for the Association of Universities for Textiles. AUTEX is a worldwide network of textile universities and was founded in 1994 and over the years a strong enlargement took place and the Association currently has 39 members from 30 countries. The current chair is Prof. Mirela Blaga from "Gheorghe Asachi" Technical University of Iasi in Romania and the secretariat is located at Ghent University, Department of Materials, Textiles and Chemical Engineering. The mission of AUTEX is to facilitate co-operation amongst its members in high level textile education and research.

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