

Call for Papers

Stuttgart, November 9 – 10, 2021

Target groups: **Managers and experts**

Specific range of topics: **Materials, Chemistry, Finishing & Functionalization, and Machines, Processes & Composites**

with plenary sessions and special symposia in the areas of

■ **Textile mechanical engineering ideas – quo vadis?**

- Flexibilization towards lot size 1 and small series
- Industry 4.0
- New products through machine innovations
- Resource and energy efficiency

■ **Opportunities with new materials: High-performance fibers and fiber composites**

- Carbon fibers, ceramic fibers, bio-based fibers
- Fiber modifications, secondary spinning, recycling strategies, process technologies
- Shaped fiber compounds, polymer matrix materials
- Insight into new advanced materials – simulation and testing systems

■ **Competitive advantages and sustainability: Functionalization, new finishings**

- Sustainable coating and finishing chemicals
- Coating, laminating
- Environment-friendly processes
- Textile printing

■ **New challenges: Medical textiles / medical technologies**

- Sensory and actuator medical devices
- Personalized medicine
- New biomaterials, drug delivery
- Resorbable polymeric implants for the support of regenerative processes

■ **New applications, new markets**

- Textile building, architecture
- Mobility
- Energy
- Environment

■ **Transfer Session "From Idea to Practice"**

Presentation of innovations (e.g. products, technologies, processes) transferred into the industry from research co-operations, especially by IGF/ZIM

Deadline Call for Papers: March 31, 2021

Contact 2021:

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Partner Countries: Portugal and Spain