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: May 17, 2021**

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