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

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