



**INTERDISCIPLINARY WORKSHOP  
MATHEMATICS, MATERIALS SCIENCE & DESIGN**

**THE GEOMETRY & TOPOLOGY  
BEHIND FABRICS  
AT MULTIPLE SCALES**

**MAY 20 & 21, 2021  
ONLINE**

**KNOTS, KNITS, WEAVES, TANGLES, ...**

**NANOSCOPIC, MICROSCOPIC & MACROSCOPIC**

with applications in biology, textile, and many other fields

**Invited speakers:** S.T. Hyde (U. Sydney), M.E. Evans (U. Postdam),  
K. Shimokawa (U. Saitama), S. Matsumoto (Georgia Inst. Tech.),  
E. Panagiotou ( U. Tennessee), S. Barthel ( Vrije U. Amsterdam),  
and many more ...

**Registration until May 17, 2021**  
<https://www.wpi-aimr.tohoku.ac.jp/GTF2021>

**Contact:** [gtf2021@math-materials.jp](mailto:gtf2021@math-materials.jp)

**CREST**



Discrete Geometric  
Analysis for  
Materials Design

