



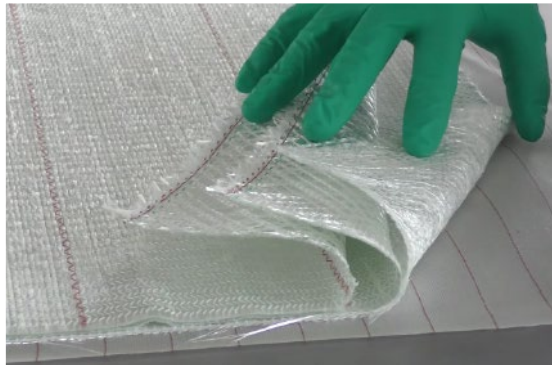
# 43<sup>rd</sup> Risø International Symposium on Material Science

## Composites for wind energy: Manufacturing, Operation and End-of-life



**4 - 7 September 2023**

DTU Wind and Energy Systems, Risø Campus,  
Roskilde, Denmark



### TOPICS

- **Manufacturing:** Existing and alternative manufacturing technologies, constraints and new opportunities, process characterization, cure kinetics and residual stresses, modelling, manufacturing defects, repair;
- **Operation:** Structural design and performance of blade structures; Key composite design properties: stiffness, compression strength, fatigue resistance; Materials development: hybrid, bio-based, and thermoplastic composites; adhesive joints and fibre/matrix interfaces; Leading edge erosion, repair, structural health monitoring.
- **End-of-life:** reuse and lifetime extension, recyclable composite, composite recycling processes, repurposing, decommissioning, life-cycle analysis (LCA).

After a peer review process, the proceeding papers will be published in the open access journal IOP Conference Series: Materials Science and Engineering. The papers are abstracted and indexed in Web of Science.

<https://www.conferencemanager.dk/43rdsymposium/>

### Important date

- 15 March 2023:** Abstract submission
- 01 May 2023:** Paper submission
- 01 July 2023:** Registration deadline

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