

EUROMAT 2019 / Area B: Structural Materials

SYMPOSIUM: B10

| Title: LIGHTer materials in the right place | | |
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| Organizer | Institution | Contact email |
| Prof. Lars Nyborg | Chalmers, Sweden | lars.nyborg@chalmers.se |
| Prof. Malin Åkermo | KTH Royal Institute of Technology , Sweden | akermo@kth.se |
| Dr. Fredrik Stig | LIGHTer | fredrik.stig@ri.se |
| Abstract | | |
| <p>The need for lighter products stems from the major global challenges facing us today. Developing lighter products with a life cycle perspective is an important route towards reduced resource requirements and higher levels of energy efficiency.</p> <p>The topic of this symposium is “LIGHTer materials in the right place” with the overall aim to use light materials in multi-material designs. During the symposium, the industrial challenges and solutions associated with multi-material lightweight applications will be discussed. The symposium will be a meeting place for academic scientists and industrial research managers.</p> <p>LIGHTer, who is hosting the symposium, is a multi-sectorial lightweight arena with the goal to implement the Swedish strategic research and innovation agenda.</p> <p>We invite contributions in the following fields:</p> <ul style="list-style-type: none">• Design of multi-material joints• Experimental studies of multi-material joints• Simulation of multi-material joints• All aspects of joining fibre reinforced polymer composites to metals• Best practices in multi-material design, how to get the right light material in the right place• Simulation aspects of multi-material design• Material selection and costs for multi-material design• Life cycle perspectives on light materials | | |