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Venue: Innovation center "Mektory" at Tallinn University of Technology

The colloquium will focus on Short Fibre Reinforced Cementitious Composites (SFRCC) and metal particle reinforced ceramics.

SFRCC are gaining rapidly more importance in civil engineering, most prominently Steel Fibre Reinforced Concrete (SFRC). This is despite the fact, that construction codes are still under development, and that the material is still subject to research.

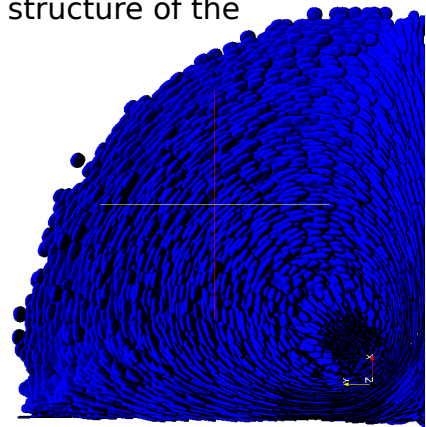
These composites share some mechanical properties with ceramics, furthermore, the methods used to analyse the micro-structure and particle orientations are similar or identical, despite the different chemistry and length scales. Also, in both cases the structure of the interface layer between matrix and particles is of special interest.

One of the aims of this colloquium is to bring together civil engineers, material scientists and researchers from micro-mechanics to discuss and possibly develop cooperations. Contributions are welcome and expected from experimental, numerical and theoretical view points.

Topics (non-exhaustive list):

- measurement of fibre orientations
- image analysis
- characterization of micro-structure
- constitutive modeling
- fracture and cracking behaviour
- numerical modeling
- experiments

**We want YOU
 to be part of it!**
**Abstract submission
 till 1.12.2016**
**please use the templates
 from the website**



The colloquium will take place in the beautiful city of Tallinn, which has a well preserved medieval city centre, shaped during the hanseatic times. Next to the Old Town is a buzzing modern city area. Tallinn and Estonia has many attractions. like the opera, museums and a rich nature for hiking close to the town.

Chairpersons

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