

Title:

Multiscale modelling of concrete and concrete structures

Organizers:

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Abstract:

Topics of this Minisymposium include, but are not restricted to,

- New homogenization methods or extensions of existing homogenization methods
- Application of multiscale analysis to advanced types of concrete
- Applicability/limitations of multiscale analysis of fracture and damage of concrete
- Combined multiscale and multiphysics analysis in the framework of constitutive modeling of concrete.
- Multiscale analysis applied to static and dynamic investigations of concrete structures
- Advanced experimental techniques to validate results from multiscale analysis of concrete and concrete structures