

CONCRETE AND CONCRETE STRUCTURES - MODELLING AND TESTING

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TOPICS

This mini-symposium will be a forum for presenting and discussing the problems connected with numerical modelling and computing of the structures made of plain, (fibre) reinforced and prestressed concrete as well as of various kinds of composite structures, including but not limited to:

- models and numerical simulations for concrete at macro/meso/micro-scales under various deformation processes (creep, shrinkage, loading, temperature),
- smart concrete and concrete structures, self-healing concrete,
- various types of concrete structural members and structures subjected to different actions (static/dynamic load, blast, fire),
- interaction between subsoil and concrete structures,
- environmental effects on concrete structures,
- joints between steel and concrete and interfaces between two different concrete parts,
- experimental testing of concrete and concrete structural elements,
- extended structural design methodologies for concrete structures.