

Composites in Civil Engineering

Organizers:

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The objective of the mini-symposium is to provide a forum for an in-depth discussion about the use of composite materials, at different scales, for applications in civil engineering. The main focus is the application of such materials for new constructions entirely realized with composites as well as for the strengthening of existing structures.

Topics of interest include, but not limited to:

- Adhesively bonded and bolted joints;
- Stability problems;
- Reinforcement of concrete structural components;
- Strengthening systems by using organic or inorganic matrices with artificial or natural fibers;
- Mechanical response under high temperatures and/or the action of environmental agents;
- Fatigue behavior.

Novel and original contributions based on theoretical, numerical and experimental approaches, as well as studies paving the way toward the definition of effective and useful technical guidelines for the proper design of civil applications based on composite materials, are strongly encouraged.