

Specific Topic: Structures and Infrastructures

Proposed Session: "Fastening technology: new constructions and repair, renovation and conservation of old and historical buildings"

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Fastening technology is successfully used in the construction of new as well as in the repair, renovation and conservation of old and historical building.

New constructions require fastening solutions for different applications. Repair, renovation and conservation of an existing building very often lead to the introduction of new structural elements (e.g. tendons, connectors...) to guarantee the stability of the restored structure. In most of the cases, the mechanical properties of the in-situ structural materials are not known and difficult to evaluate.

This session focuses on criteria and examples of successful design carried out with innovative and advanced anchoring technologies, both on the ones for new structures and those for buildings of particular historical interest. The session is open to all kinds of methods, from the mechanical to the chemical ones.

The promotion of good practice in this challenging structural engineering field is the primary goal of the session.