

Special session about Immovable Cultural Heritage

within the “RILEM Spring Convention & Conference on durability of building materials and systems in the transportation infrastructure”

Title: Conservation of immovable Cultural heritage

Chairs: Marta Caroselli and Francesca Piqué

This special session is designed to foster dialogue among researchers working on immovable cultural heritage preservation: buildings, monuments and sites. The session has two themes:

- *Non-Invasive/Non-Destructive Investigations:* Advancements in analytical techniques for cultural heritage studies emphasize minimally or entirely non-invasive methods. Over the past decade, progress has been made in non-destructive (NDT) and minimally destructive (MDT) tools. These technologies provide data on material composition, physical and chemical properties of building structures, supporting diagnostic investigations and regular inspections for monitoring conditions over time.
- *Conservation and Maintenance of Cultural Significance:* Research on the evaluation of past and current conservation treatments and materials of immovable cultural heritage (made with natural and artificial stones, mortars, wall paintings, etc.). Proposals should focus on material characterization, analysis of deterioration mechanisms, development of conservation methods, and monitoring and maintenance plans.

This session aims to be a platform for scholars to share insights, methodologies, and recent findings. Emphasizing interdisciplinary collaboration, the goal is not only showcasing advancements in analytical techniques but also to promote the exchange of knowledge and the development of effective strategies that contribute to the conservation of immovable cultural heritage.