

## **AIMS AND SCOPE ENG**

# **STRUCTURAL MAGAZINE**

STRUCTURAL (formerly L'Edilizia) is an independent Italian magazine. Since its foundation in 1967, it has been a prominent voice in the field of engineering, materials science and technology for all kinds of construction: reinforced concrete, masonry, steel, timber, composite materials and light-weight structures.

STRUCTURAL stands out in the panorama of European journals thanks to its technical and scientific approach to design, maintenance and safety of steel, reinforced concrete, timber and masonry constructions, and seismic evaluation of existing structures, of monumental-artistic heritage, considering also seismic retrofitting and improvement technologies. Regarding the latter, Italy has a leading position in Europe, given its historical context and the high level of seismic activity of the country. STRUCTURAL pays particular attention to themes linked to building resilience - regarding both the anthropic environment and seismic actions - to technologies of structural repair, restoration and retrofitting.

Focusing on the themes of stability, as well as to the structural and seismic reinforcement of historical buildings and monuments, Italy is one of the most seismic countries in Europe. Furthermore, it has a unique historical and monumental heritage, built long before the recent seismic mapping and regulations. Therefore, in this context, concerning all building materials, Italy has developed and continues to develop unique and exemplary analysis techniques and strengthening technologies within Europe, playing a leading role in this field globally.

Therefore the use of the Italian language for the papers was promoted, not only to make the magazine accessible to Engineers, but also to comply with national standards and regulations and to facilitate and feed the debate about emerging topics. Moreover, though the filter of an English translation is necessary when comparing and exploring international issues, it can sometimes be seen as a forced simplification in relation to the complexity of the Italian context, where traditional construction techniques go in tandem with the most advanced research in the field of materials, carried out both by universities and the manufacturing world.

This does not however prevent the use of the English language for the documentation of topics or experiences where our readers, as a professional necessity, are already familiar with the international regulations (e.g. questions linked with the use of EU or US standards for steel working, or themes generally related to the problems of durability of reinforced concrete structures).

STRUCTURAL has a long tradition of close collaboration with nearly all Italian universities and with some of the most prominent international universities, as it emerges from its scientific committee.

But above all, over the years, STRUCTURAL has strengthened a fundamental link between the world of university technological research, that of industrial development and that of the professional world.