

# FROM TRADITION TO TECHNOLOGICAL INNOVATION: METHODOLOGIES, *MORTAR DESIGN* AND NANOTECHNOLOGIES IN THE RESTORATION OF S. MARIA DI SPINERANO (TURIN)

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## ABSTRACT

This paper illustrates the experience -methodological and operational- gained during the restoration works of Santa Maria di Spinerano Church (Turin). These interventions were inspired by the latest studies about lime mortars and lime deterioration; such *corpus* of data has led to the definition of a *modus operandi* orientated towards: maximal compatibility between materials, improvement of mortars performance, use of mineral consolidating/protective materials. Sharing the results of such interventions can stimulate the reflexion process and, being proof of technically effective and aesthetically valuable conservation works possibilities, lead to the use of new ways in a context of “minimalist intervention”.

**Key-Words:** *Lime leaching, surfaces restoration, romanesque, mortar-design, nano-technologies*