Chiara Fratello, CNR-ISMN

Chiara Fratello graduated in Analytical Chemistry and has always had a strong interest in the field of protection of cultural heritage. She currently is a second year PhD student in Electrical, Materials and Nanotechnology Engineering and a fellowship holder at the Institute for the Study of Nanostructured Materials (ISMN) of the National Research Council (CNR) of Rome. Her main research activities is carried within the Italian national project EcoForConcrete and is focused on investigating sustainable corrosion inhibitors for the protection of rebars in concrete heritage. She is also working on synthesizing nanomaterials to be used as stimuli-responsive carriers to vehicle the inhibitors through the cementitious matrix and to release it only when it is most needed, in order to maximize the protection efficacy.