

CIVIL AND ENVIRONMENTAL ENGINEERING

AMMIN/CRT/DISEG - Structural safety assessment of structural systems

Funded By	Politecnico di TORINO [P.iva/CF:00518460019] Dipartimento DISEG FONDAZIONE CRT CASSA DI RISPARMIO DI TORINO [P.iva/CF:06655250014]
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Context of the research activity	Nowadays, structural safety assessment of structural systems is a crucial topic for infrastructure management in several countries.
Objectives	Structural safety assessment of bridges is a relevant research topic due to different reasons (e.g., aging of structural systems, load conditions different with respect to original design). To this aim, numerical analyses have been more and more developed and represent a very useful instrument to assess the structural performance considering both geometrical and mechanical non-linearities. In this way, structural and seismic reliability analyses need to be implemented to evaluate the time-variant structural performance.
Skills and competencies for the development of the activity	Structural Engineering.