

MASONRY TECHNIQUES IN THE FACE OF EARTHQUAKES, FROM ANTIQUITY TO THE PRESENT: PROSPECTS FOR MULTIDISCIPLINARY STUDIES

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9h30 Introduction *Hélène Dessales, Didier Combescure*

ARCHAEOLOGICAL AND TEXTUAL INTERPRETATIONS

10h00 Archaeology of buildings and seismic risk. Methodological practice and case studies from Italy. *Andrea Arrighetti (Università degli Studi di Siena)*

10h30 The characterization of post-seismic repairs, the databases OPUR and ACOR: case studies from Pompeii and Iznik. *Hélène Dessales (ENS Paris, AOROC), Agnès Tricoche (CNRS, labex TransferS), Yacine Benjelloun (ISTerre)*

11h00 Overview of SisFrance: the French historical macroseismic database. *Hervé Jomard (IRSN)*

11h30-12h30 *Discussion*

IN-SITU CHARACTERIZATION AND MODELLING

14h00 The contribution of structural engineering to the conservation of archaeological sites in seismic area. *Maria Rosa Valluzzi (Università degli Studi di Padova)*

14h30 Example of vulnerability of existing structures and intervention measures to improve masonry constructions' seismic behaviour. *Joao Guedes (Universidade do Porto)*

15h00-15h30 *Discussion*

STRUCTURES: MODELS OF CALCULATION, LABORATORY TESTS

15h30 Improving construction capacity against earthquakes: lesson learned from Pompeii. *Andrea Prota (Università degli Studi di Napoli Federico II)*

16h00 Mechanical modelling issues regarding masonry heritage structures: from material to structure. *Frédéric Ragueneau, Cédric Giry, Cécile Oliver-Leblond (ENS Cachan)*

16h30 Seismic assessment of existing masonry buildings: conservation, strengthening and safety issues. *Sergio Lagomarsino (Università degli Studi di Genova)*

17h00 -18h00 Discussion and Conclusion