Record Nr. UNINA9910584585503321

Autore Lancellotta Renato

Titolo Geotechnical Engineering for the Preservation of Monuments and

Historic Sites III / / edited by Renato Lancellotta [and four others]

Pubbl/distr/stampa Taylor & Francis, 2022

Boca Raton:,: CRC Press,, 2022

ISBN 1-00-330886-4

1-000-78049-X 1-003-30886-4

Descrizione fisica 1 online resource (326 pages)

Disciplina 363.69

Soggetti Historic sites - Conservation and restoration

Monuments - Conservation and restoration

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Sommario/riassunto The conservation of monuments and historic sites is one of the most

challenging problems facing modern civilization. It involves, in inextricable patterns, factors belonging to different fields (cultural, humanistic, social, technical, economical, administrative) and the requirements of safety and use appear to be (or often are) in conflict with the respect of the integrity of the monuments. The complexity of the topic is such that a shared framework of reference is still lacking among art historians, architects, structural and geotechnical engineers. The complexity of the subject is such that a shared frame of reference is still lacking among art historians, architects, architectural and geotechnical engineers. And while there are exemplary cases of an integral approach to each building element with its static and architectural function, as a material witness to the culture and construction techniques of the original historical period, there are still examples of uncritical reliance on modern technology leading to the substitution from earlier structures to new ones, preserving only the iconic look of the original monument. Geotechnical Engineering for the

Preservation of Monuments and Historic Sites III collects the

contributions to the eponymous 3rd International ISSMGE TC301 Symposium (Naples, Italy, 22-24 June 2022). The papers cover a wide range of topics, which include: - Principles of conservation, maintenance strategies, case histories - The knowledge: investigations and monitoring - Seismic risk, site effects, soil structure interaction - Effects of urban development and tunnelling on built heritage - Preservation of diffuse heritage: soil instability, subsidence, environmental damages The present volume aims at geotechnical engineers and academics involved in the preservation of monuments and historic sites worldwide.