



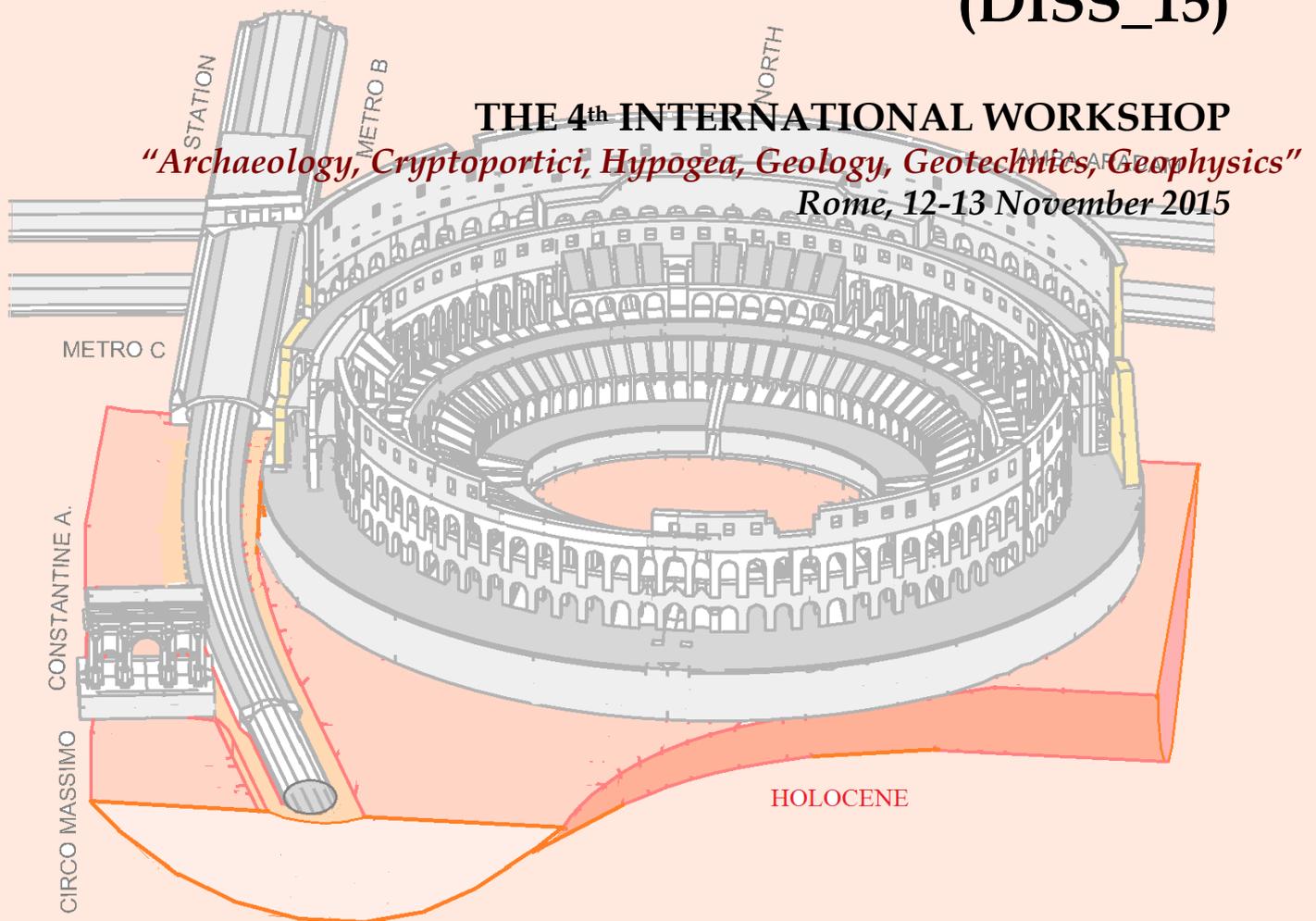
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DYNAMIC INTERACTION OF SOIL AND STRUCTURE (DISS_15)



WORKSHOP CHAIRMEN
Giorgio Monti, Gianfranco Valente

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Fabio Fumagalli, Yutaka Nakamura, Salomon Hailemikael,
Giuliano Milana, Barbara Nazzaro, Antonio Rovelli.

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**PROCEEDINGS OF THE 4th INTERNATIONAL WORKSHOP
“*Archaeology, Cryptoportici, Hypogea,
Geology, Geotechnics, Geophysics*”
ROME, 12-13 NOVEMBER 2015**

**WORKSHOP CHAIRMEN
Giorgio Monti, Gianfranco Valente**

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INITIAL GREETINGS

Renato Masiani

Anna M. Giovenale

Francesco Prosperetti

Angelo Luongo

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Pro Rettore Vicario Sapienza

Preside Facoltà di Architettura

Soprintendente speciale per il Colosseo,

il Museo Nazionale Romano e l'Area Archeologica

Direttore Dpt DICEAA Università dell'Aquila

Presidente Ordine Ingegneri Provincia di Roma

Opening Address

It is with great pleasure that we edit this volume of Proceedings of the 4th edition of DISS, the international workshop on Dynamic Interaction of Soil and Structure, held in Rome, Italy, on 12 and 13 November 2015.

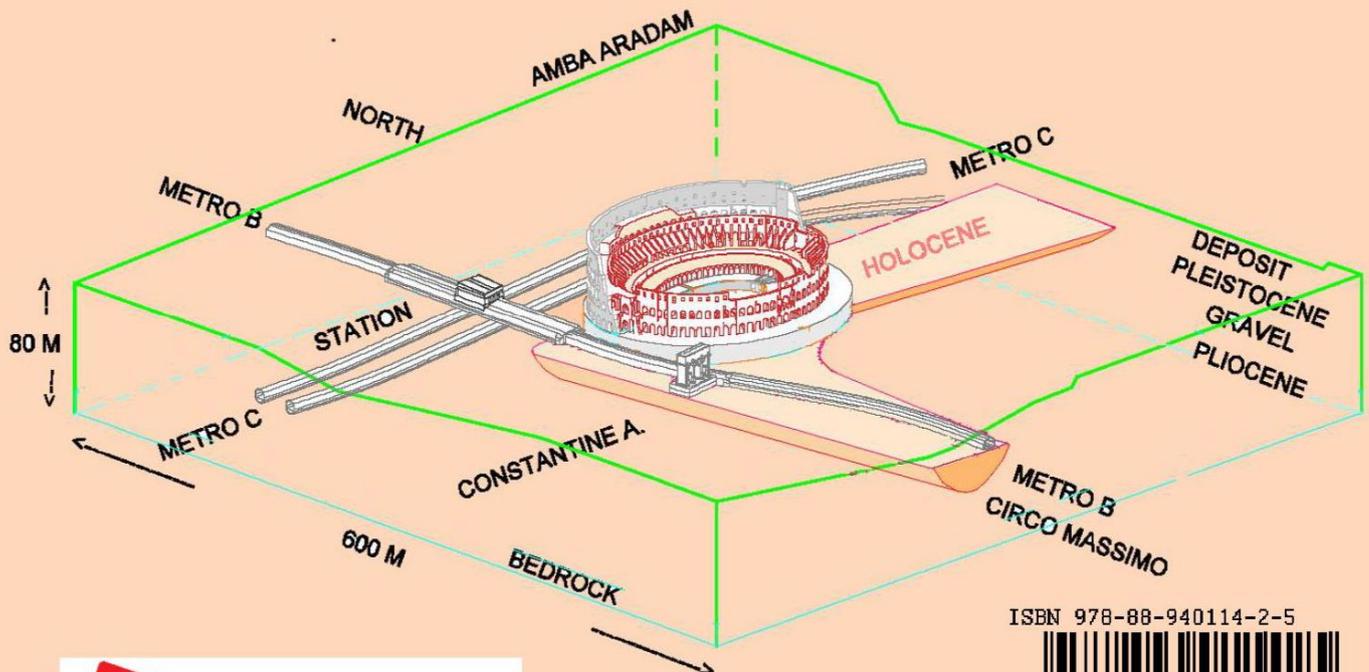
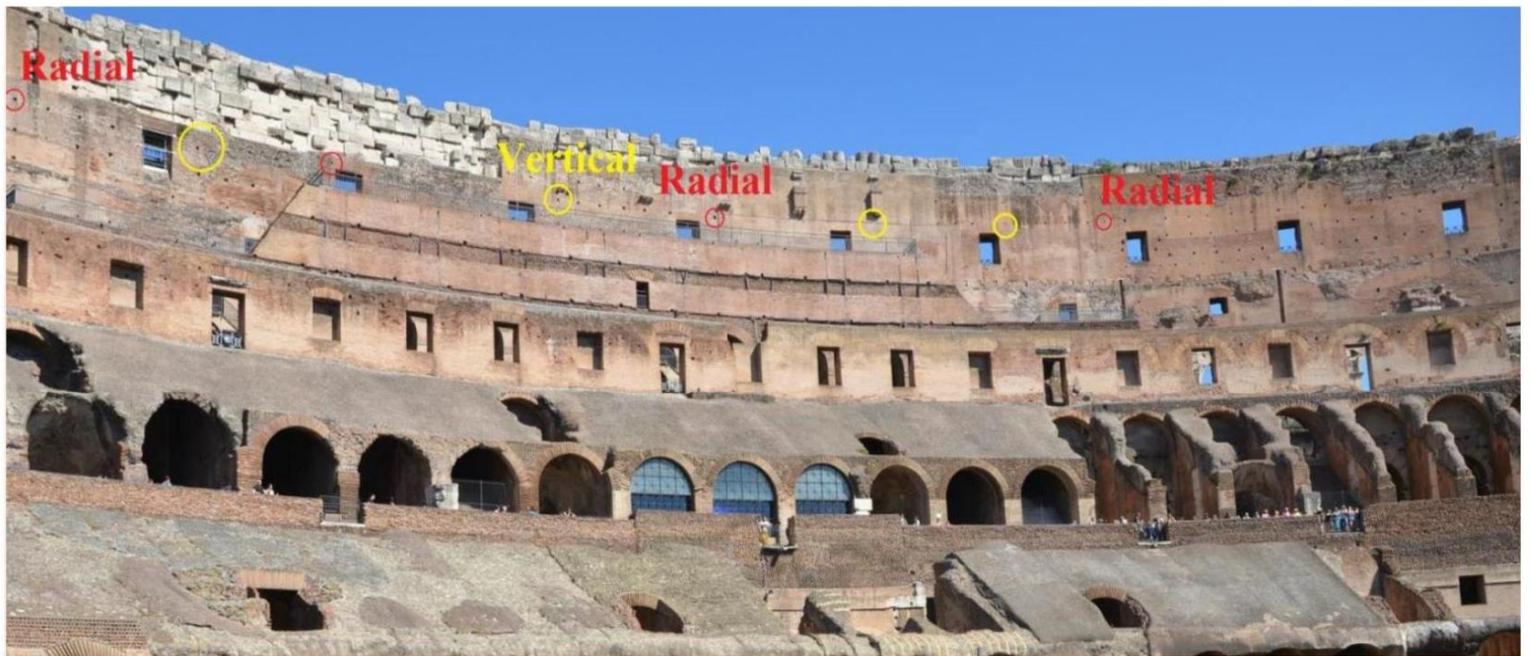
The workshop results from an effective collaboration between the University of L'Aquila and the University of Rome "La Sapienza", which have collaborated in the past editions to disseminate the culture of preservation of the historical heritage through a constant and attentive analysis and monitoring of the dynamic structural properties of buildings and monuments, with due attention to the interaction with the underlying soil and the way it affects the construction's response to vibrations of different nature, both anthropic and natural, such as earthquakes.

This edition has been particularly interesting for the variety of the topics and for the level of the presentations and papers. A central role has been played by the current studies on the Colosseum, but also other very stimulating researches have been presented. The workshop has been organized in five different sessions, each one dealing with fundamental topics, such as: Dynamic monitoring of the Colosseum, Dynamic interaction of soil and Colosseum, Safeguarding of the cultural heritage, Geotechnics, Geophysics, and finally Modeling, analysis and experimental techniques.

With respect to the previous edition, also held in Rome, we proudly announce that we have doubled the number of papers and tripled the number of authors, who mainly came from Italy, but with significant contributions from Japan and Portugal. We will strive in the following editions to expand the DISS community by including other European countries and having scientists and researches involved from all over the world.

Scientific Editors

Giorgio Monti and Gianfranco Valente



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