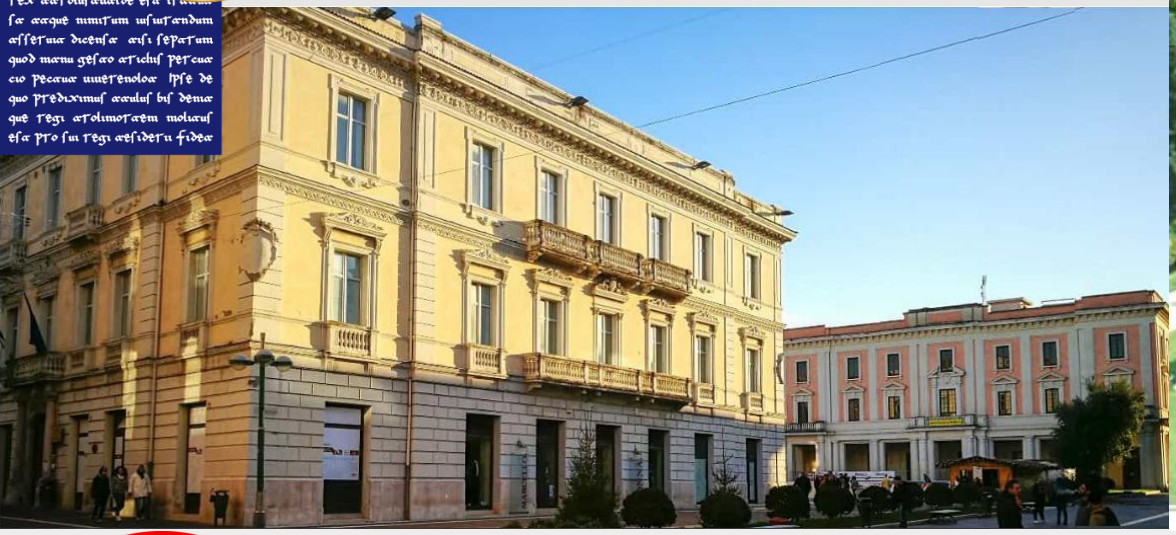
UNIVERSITA DEGLI STUDI DEL SANNIO
DIPARTIMENTO DI INGEGNERIA
BENEVENTO, ITALY



XP-resilience

SHORT COURSE ANNOUNCEMENT

Topic: *Soil-Structure Interaction - Theory, Modelling and Testing*

Length: Two-day Intensive Course – 12 hours (6 hours + 6 hours)

Audience: PhD Students, Researchers and Practitioners

Period: 11th and 12th April 2019

Location: Aula del Consiglio, Palazzo Bosco-Lucarelli, University of Sannio, Benevento, Italy

Instructors: Professor S. Aversa, Dr. F. Dezi, Dr. R. Di Laora, Dr. L. Di Sarno, Professor A. Gajo, Professor G. Mylonakis, Dr. A. Penna, Professor S. Sica, Professor F. Silvestri, Professor A. L. Simonelli

Organizing committee: L. Di Sarno, A.L. Simonelli and A. Penna.

Organization & Registration: No fee, 2 ECTS, attendance notice to *ldisarno@unisannio.it*

EXTREME LOADING ANALYSIS OF PETROCHEMICAL PLANTS AND DESIGN OF METAMATERIAL-BASED SHIELDS FOR ENHANHED RESILIENCE - https://r.unitn.it/en/dicam/xp-resilience.

Scope: *To provide the principles of Soil-Structure Interaction, the modelling methodologies for different foundation types and advances based upon experimental test results.*

Organization and Participation: *A **maximum of 30 participants** will be accepted. **No fees** are requested for the participation, but **reservation is needed**. The course will provide 2 ECTS to the participants. Those wishing to attend the course should contact Dr. Luigi Di Sarno (ldisarno@unisannio.it) Department of Engineering by the 30th of March, 2019.*

Day One

Morning Session: 9.30 - 13.00

9.30 – 10.00: Welcome, Overview of the PhD Programs in Benevento and Introduction to the Course (Prof. Glielmo and Pecce)

10.00 - 11.00: Introduction to the Soil-Structure Interaction (Prof. Silvestri)

11.00 - 12.00: Theory – Part I: Shallow Foundations (Dr. Penna)

12.00 - 13.00: Theory – Part II: Deep Foundations (Dr. Di Laora)

Afternoon Session: 14.00 - 17.00

14.00 - 15.30: Modelling – Part I: Shallow Foundations (Prof. Gajo)

15.30 - 17.00: Modelling – Part II: Deep Foundations (Prof. Mylonakis)

Day Two

Morning Session: 10.00 - 13.00

10.00 - 11.30: Testing – Shaking Table Tests (Prof. Simonelli)

11.30 - 13.00: Testing – Centrifuge Tests (Prof. Aversa)

Afternoon Session: 14.00 - 17.00

14.00 - 15.00: Applications – Shallow Foundations (Prof. Sica)

15.00 - 16.00: Applications – Deep Foundations (Dr. Dezi)

16.00 - 16.30: Lessons learnt from recent earthquakes (Prof. Simonelli)

16.30 - 17.00: The Structural Engineering Perspective (Dr. Di Sarno)

Prof. S. Aversa

University of Parthenope, Napoli, Italy

Prof. G. Mylonakis

University of Bristol, Bristol, UK

Dr. F. Dezi

University of San Marino, San Marino, Italy

Dr. A. Penna

University of Sannio, Benevento, Italy

Dr. R. Di Laora

University of Vanvitelli, Caserta, Italy

Prof. S. Sica

University of Sannio, Benevento, Italy

Dr. L. Di Sarno

University of Sannio, Benevento, Italy

Prof. F. Sivestri

University of Naples, Federico II, Italy

Prof. A. Gajo

University of Trento, Trento, Italy

Prof. A. L. Simonelli

University of Sannio, Benevento, Italy

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