

4th INTERNATIONAL SUMMER SCHOOL

Bacoli - Naples, Italy

July 13th – 17th 2026



UNIVERSITY OF NAPLES
FEDERICO II

Department of Structures for
Engineering and Architecture



DIPARTIMENTO
DI ECCELLENZA
MUR

Within the courses of the Ph.D.
program in *Structural & Geotechnical
Engineering and Seismic Risk*

LOCATION

Villa Ferretti - Via Castello, 14
80070 Bacoli - Naples, Italy
<https://flegrei.it/bacoli/villa-ferretti.html>

CHAIRS

Costantino Menna

University of Naples Federico II

Freek Bos

Technical University of Munich

WHO SHOULD ATTEND

Ph.D. students, postdoctoral
researchers, practitioners interested in
research and applications of additively
manufactured structures

CONTACTS

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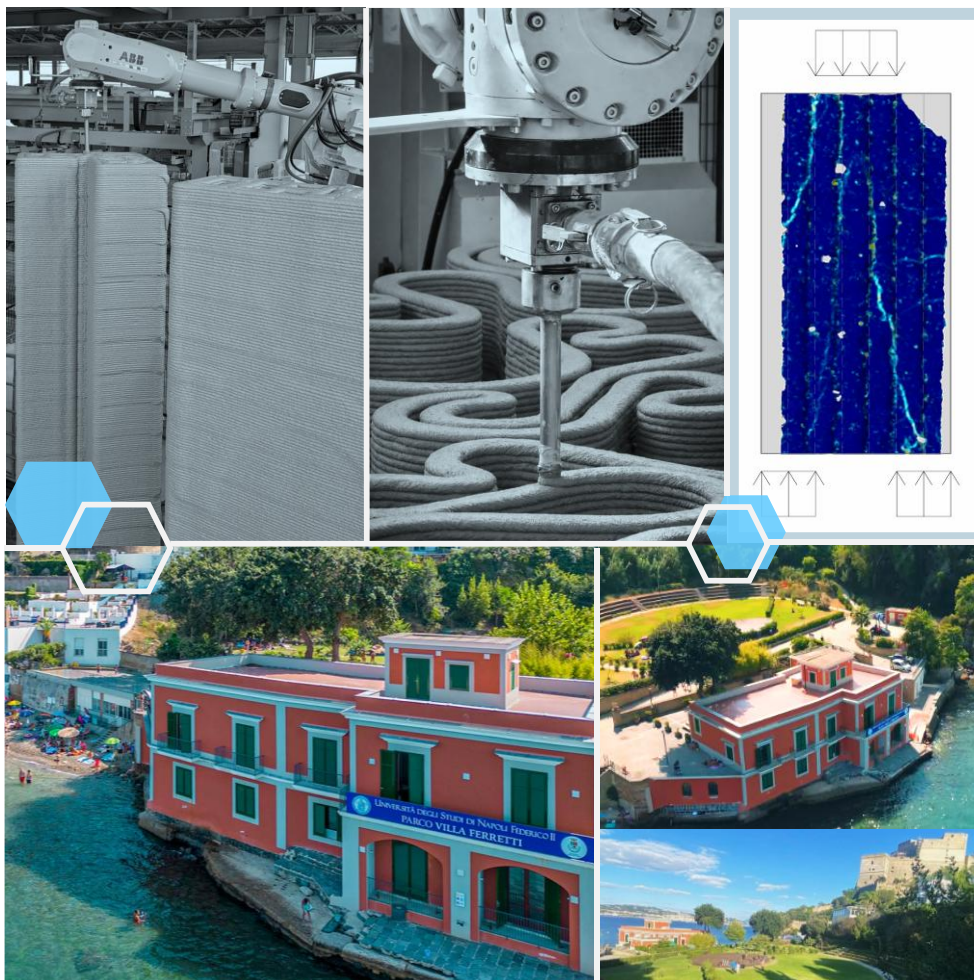
phd.dist@unina.it

PRE-REGISTRATION

Please note that the number of participants
is limited, and pre-registration is required:

<https://tinyurl.com/2khxsse>

ADDITIVELY MANUFACTURED CONCRETE STRUCTURES



AIM and SCOPE

The field of Additive Manufacturing (AM) of cementitious materials, particularly through 3D Concrete Printing (3DCP), is undergoing rapid development and growing interest within the construction industry. Building on the success of the three previous editions - which brought together participants and experts from across the globe - the *fourth* edition of the Summer School further benefit from the experience gained in delivering high-level academic and practical training in this emerging domain. Significant advancements continue to be made in materials science, production technologies, and the innovative design of high-TRL (Technology Readiness Level) projects. However, a structured academic framework for researchers involved in the digital design-to-fabrication workflow is still urgently needed to enhance the socio-economic and environmental benefits of 3DCP implementation.

The main objective of this Summer School is to equip participants with advanced multidisciplinary skills, covering analytical, numerical, and practical aspects of 3DCP (leveraging both field-scale demonstrations and interlaboratory knowledge) for the design and construction of concrete structures. Expert-led lectures from internationally recognized researchers will address cutting-edge scientific topics. Participants will also be encouraged to share and discuss their own research, fostering meaningful peer-to-peer exchange and professional development.

INTERNATIONAL LECTURERS

Costantino Menna - University of Naples Federico II (Italy)

Freek Bos - Technical University of Munich (Germany)

Arnaud Perrot - Université Bretagne Sud (France)

Jacques Kruger - Stellenbosch University (South Africa)

Previous edition details and updates: https://www.dist.unina.it/en_GB/didattica/postdoc/summer-school

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