

PRESS RELEASE

Bochum/ Berlin/ Rome, Fall 2022

The non-profit Fritz and Trude Fortmann Foundation for building culture and materials (Bochum/Berlin) is pleased to announce a scientific contribution from the Technical University of Berlin to the exhibition **TECHNOSCAPE - THE EXHIBITION** from September 28, 2022 - April 10, 2023 in the MAXXI Gallery 4, Rome/Italy with a total funding volume of EUR 20,000.

M:A:X:X I . TECHNOSCAP ENGINEERING ARCHITECTURE

MAXXI, the National Museum of 21st Century Art and Architecture, is the first Italian national institution devoted to contemporary creativity.

In the Italian Capital, Rome, the MAXXI museum is at the very heart of contemporary creativity in the architectural community. The museum features examples of architecture and engineering excellence from the 20th and 21st century in a permanent exhibition, and also takes the opportunity to glimpse ahead into the future by displaying latest trends, scientific insight and innovative research in their temporary exhibitions. Both the exhibition spaces for art and architecture are prominently housed in the award-winning building completed in 2009 and designed by Zaha Hadid.

The exhibition **TECHNOSCAPE** is curated by Pippo Ciorra, Maristella Casciato and will be presented at the Museum in winter 2022/23, intends to tackle the theme of the relationship between technique, creativity and social awareness. The first will focus on the growing role of technology and the thousand forms through which it is occupying the field of architectural design, urban planning and every discipline operating in the space inhabited by man. The second will look deeply into structural engineering, both comparing the current masterpieces with their historical modernist precedents and documenting the contributions of the masters scattered around the four corners of the planet.

Impressions and further information are available from the Technical University of Berlin:

<https://www.tu.berlin/ek-massivbau/medien/maxxi>

The Official Site:

<https://www.maxxi.art/en/events/technoscape-larchitettura-dellingegneria/>

A clip showing the construction of the exhibition:

<https://www.youtube.com/watch?v=cRZNldMgDog>

Funding 2022 - 2023 / TU Berlin

Contributing to the temporary exhibition TECHNOSCAPE, the Chair of Conceptual and Structural Design at TU Berlin – under the direction of Prof. Maik Schaich – is showing their latest research in the field of concrete technology. All efforts are directed to contributing to solve some of the pressing challenges of our time: providing high quality housing and infrastructure to an ever growing population on this planet, while at the same time using as little as possible energy and resources.

To reduce the negative impact on the climate and stop the wasteful depletion of natural resources, building materials have to be used to their full potential with respect to strength, form and function. Currently two very different approaches to structural efficiency are being investigated in Berlin. A concrete mix which is lighter than the current definition of lightweight concrete has been developed and branded INFRALIGHTWEIGHT CONCRETE. Its insulation properties are of such quality, that an additional insulation layer is no longer necessary and pure structures of merely one material are again possible. On the other end of the spectrum lie the studies on shells and other light structural members made of PRESTRESSED CFRP-REINFORCED CONCRETE.

About the Foundtion

The non-profit Fritz and Trude Fortmann Foundation for building culture and materials deals with architecture and its materialization. It promotes the development of sustainable building materials and construction methods as well as research on the ecological, functional and atmospheric properties of materials.

The Fritz and Trude Fortmann Foundation was established at the end of 2013 and recognized as a non-profit foundation under civil law with legal capacity. After the Board of Trustees was constituted in 2015, the content and program of the foundation work began.

The foundation bears the name of the entrepreneurs Fritz and Trude Fortmann. After the Second World War, in a time of architectural and urban development change, the chemist and the businessman broke new ground in the development of building materials. With this in mind, the foundation's field of action is set and continuously expanded around the topic of "building culture and materials".

Further information:

www.fortmann-stiftung.de

An information brochure (german language) on the activities and the funding programs of the foundation can be requested.

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