

Symposium on

EMERGEN|SEA|

technologies in water architecture

Event description

This symposium will be a half-day event held on Wednesday, 26th of February 2020 in the afternoon, in the Architecture and Built Environment Faculty of TU Delft. Speakers from high-profile research and design organizations from around Europe and the world have been invited to give talks about their research and projects regarding extreme challenges in architecture. There will be an emphasis on how the field can inform sustainable progress on Earth. This event will be organized into five lectures of 40 minutes plus 10 minutes of questions. At the end of the lectures, we will conclude the day with a social function which includes food and drinks.

Who will be there?

Our confirmed speakers come from world-leading design groups, such as Shimizu Corporation (one of the top 5 Japanese architectural, civil engineering and general contracting firms with their famous concept Green Float), Freischaerler (2017 LA+ Journal Design Ideas Competition), and from the Netherlands: Finch Floating Homes (research in the Pampanga Delta, Philippines) and Blue21 (Topicon and Blue Revolution). SO, from Istanbul, will be talking about their interdisciplinary research project "Hope on water", following the 2001 earthquake in Istanbul as an emergency measure. Finally, Marc Collins Chen, co-founder and CEO of Oceanix will give a lecture on their project on modular floating cities for people to live sustainably on the ocean. At the end of each lecture, the panel will be opened for discussion with the attendees to allow for dialogue with the speakers.

Scope of the Symposium

TU Delft's Faculty of Architecture and Built Environment is one of the world's leading institutions regarding its future-oriented vision and research-based study methods. The faculty is known to influence aspiring architects and engineers who are capable of understanding the complications of their work from multiple perspectives, thus finding relevant and feasible solutions. The BouT symposium aims to reaffirm this key strength of the faculty by bringing the latest research and design on a key topic into one event.

The symposium aims to focus on a topic that benefits humanity and is relevant to today's issues. The last few years, the symposium topics were about robotics within Architecture and Building Technology and Space Architecture. This year, the topic will be on extreme challenges in architecture and technology, particularly regarding the potential for preventive and reactive architecture and concepts within extreme situations.

Why is it important and relevant?

"When we are no longer able to change a situation, we are challenged to change ourselves." — Viktor E. Frankl, *Man's Search for Meaning*.

It is well known that society strives and works as a collective in the face of adversity, and history has proven this to us over and over. The extreme challenge within architecture and technology is how we can change our mindset, build over our own paradigms and shape a new future. An engaging debate on projects that utilise cutting-edge technology and engineering, but equally considered aesthetics, sustainability and human need into these ground-breaking designs and research concepts is needed. How can we learn from reactive architecture? How could we implement preventive architecture in our future designs?

This symposium therefore aims to raise awareness and equip young professionals with new insights and a head start when the tackle challenges of the future. The emergent topic on architecture on water finds an ideal home in the BK and The Netherlands, where there are already masters courses and research groups working on solving extreme conditions with architecture and technology. TU Delft is home to both an Architecture Faculty and Civil engineering faculty, both of which are world-leading and have strong links with each other. With the help of an international ensemble of speakers, we hope to inspire the next generation of designers by showing them the technological prowess and relentless audacity of architecture in extreme conditions.