

31.05.2022

Concrete Design Competition REIMAGINE decided

Two prizes, three recognitions

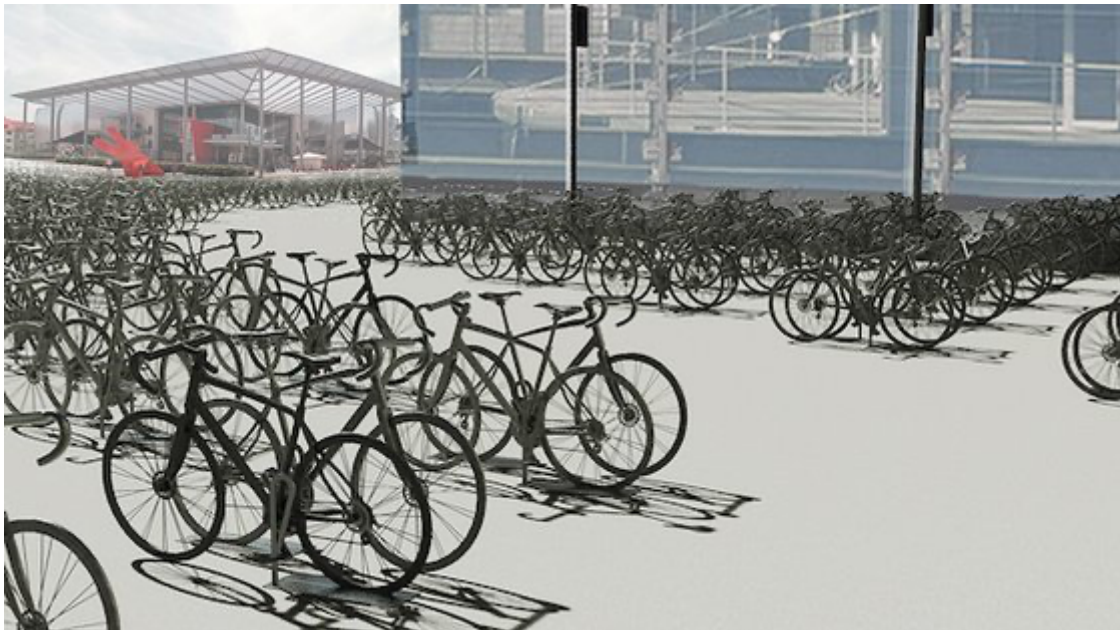


Image credits: J. Weber, M. Gaab

Düsseldorf, May 2022 The Concrete Design Competition 2021/2022 has been decided. The 14th round of the student competition organised by the Concrete Information Centre focused on the idea of sustainability and required students not only to use concrete innovatively, but also to incorporate social concerns. Under the motto ReImagine, they were asked to submit research and design work that explores the thoughtful use of concrete in permanent structures or in reusable elements, that explores smart ways to use, reuse and avoid formwork, and that at the same time takes a stand on economic issues, sustainability requirements or social concerns. From the numerous entries, the jury awarded two prizes and three recognitions.

The jury was interdisciplinary with Dr Sandra Hofmeister, Prof. Dr Markus Holzbach, Martin Tessarz representing Prof. Jan Kampshoff, Ulrich Nolting, Prof. Dr Holger Techen and Prof. Anca Timofticiuc. It assessed 20 research and design papers submitted by students of architecture (design, building design, building construction or building materials science), structural engineering from the field of civil engineering and related disciplines. "The designs dealt impressively with the sustainability potential of concrete in many ways and sounded out the possibilities of the building material in terms of technical-constructive, design and material science with regard to resource conservation, circular economy, urban mining and urban planning treatment of existing buildings," explains jury member Ulrich Nolting, Managing Director of the Concrete Information Centre.

First place went to Joshua Weber and Marisa Gaab from the Staatliche Hochschule für Gestaltung Karlsruhe, product design department under the direction of Prof. Chris Kabel. The jury was enthusiastic about the practice-oriented project "Kickstand - bicycle stand", which deals with the order of bicycle culture in public space in a design-appealing way. In the process, the students dealt intensively with the conservation of resources through minimal use of materials.

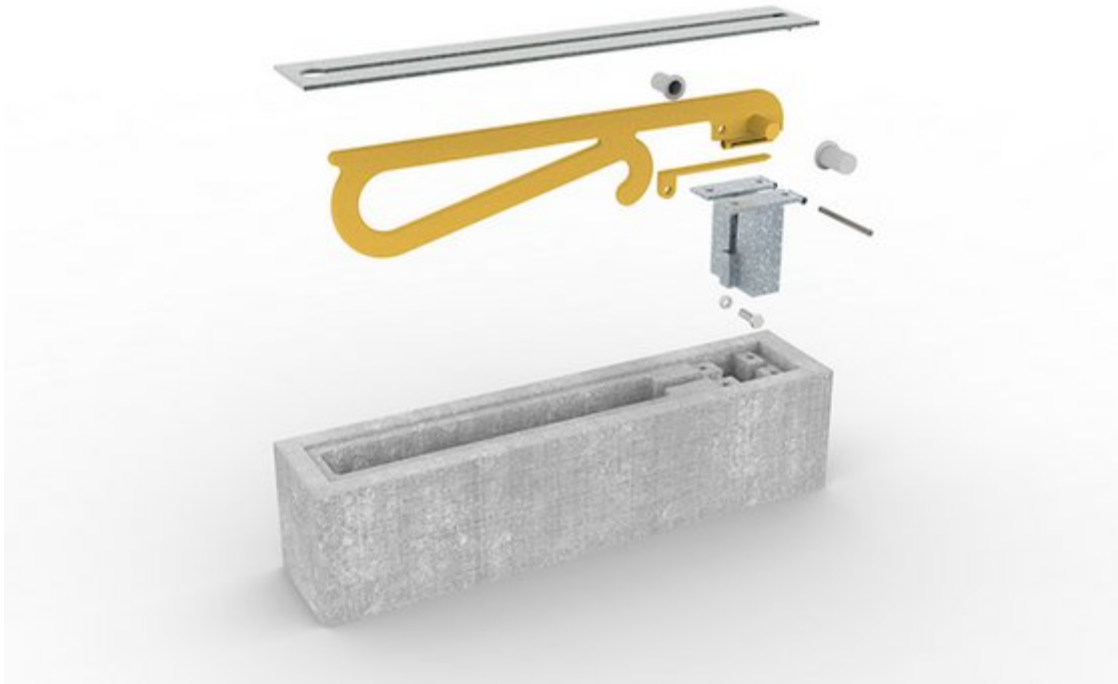


Image credits: J. Weber, M. Gaab

Second place was awarded to students at the Technical University of Braunschweig, Institute for Building Construction under the direction of Univ.-Prof. Helga Blocksdorf. Lukas Eilers and Nikolaus Theissen designed "campus laboratory", a lightweight building as a research laboratory for digital fabrication. Their involvement with structural research as well as production, assembly and material efficiency also contributed to space-saving, efficient construction.



Image credits: L. Eiler, N. Theissen

Melanie Schlanser received recognition for "A House for Music". The student at the Technical University of Munich, Department of "Design and Form" under the supervision of Prof. Uta Graff, dealt intensively with the existing building of a former music school and the potential of reinforced concrete construction in terms of deconstruction and reclamation. In addition to dealing with the possibilities of urban mining, the jury was impressed by the sculptural character of the design and the idea of finding the ideal material.



Image credits: Melanie Schlanser

With "Concrete Reserve as Cultural Centre", Christine Feistl and Lisa Schmidt explored possibilities for transforming a multi-storey car park. Their architectural reactivation contributes to cultural and social redensification in a sustainable and resource-saving way in terms of urban development. The students of the Technical University of Berlin, Department of Architecture, Fine Arts under the direction of Birgit Klauck, delivered a design that also convinced the jury with its handling of the material and the conceptually strong, comprehensible presentation.



Image credits: Christine Feistl, Lisa Schmidt

With the research paper "Insulation Block with Injection 3D Printing", Yinan Xiao and Bo Wang investigated the integral connection of supporting structure, insulation and sealing. The students at the Technical University of Braunschweig, Institute for Building Materials, Solid Construction and Fire Protection under the direction of Prof. Libo Yan and Aileen Vandenberg and the Institute for Structural Design under the direction of Prof. Norman Hack, are thus making a contribution to waste reduction, weight and energy saving. The jury was impressed by how technology was thought through in an intelligent way.

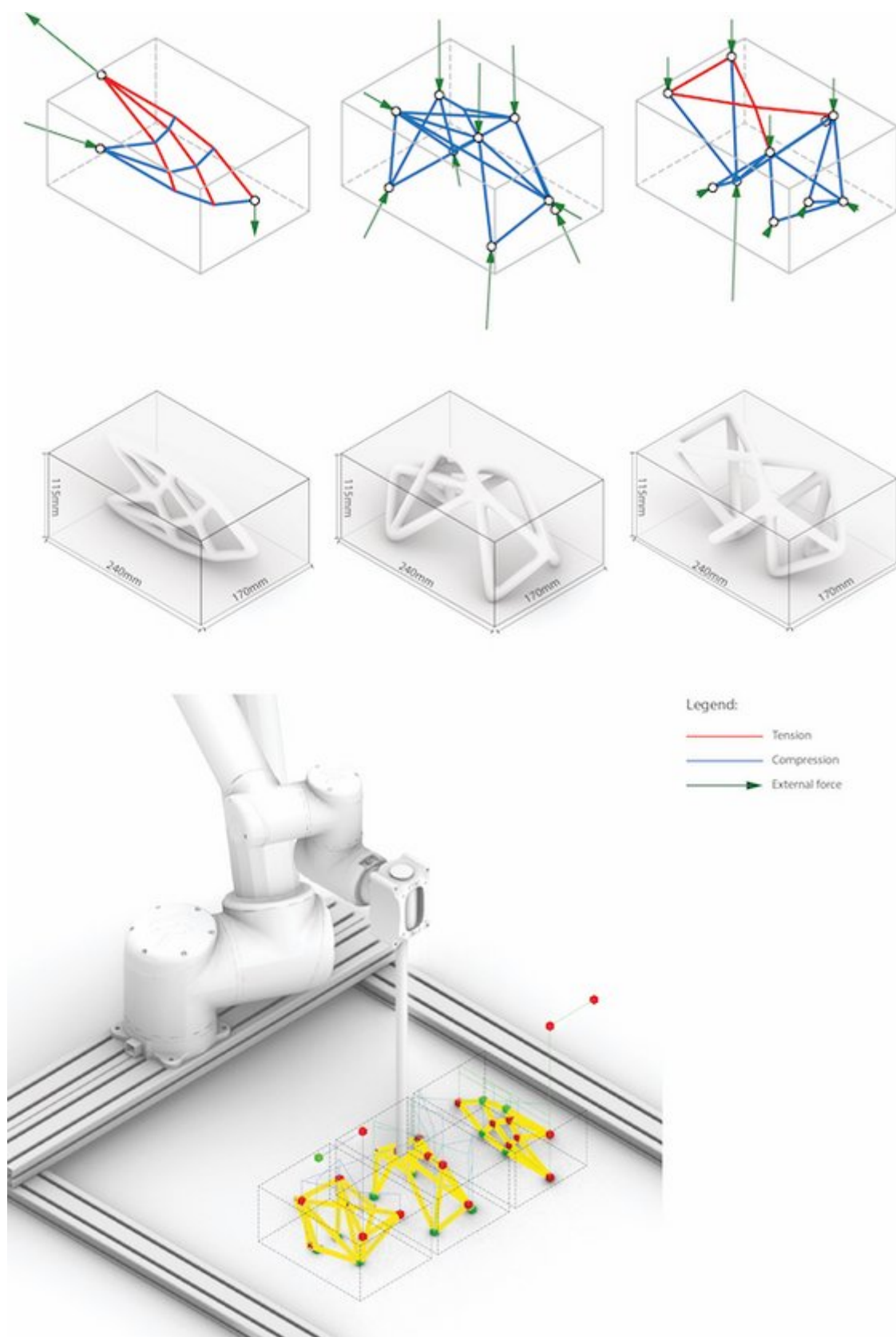


Image credits: Yinan Xiao, Bo Wang

„Concrete Design Competition“

The Concrete Design Competition is an initiative of the European cement and concrete industry, which would like to contribute to the promotion of innovative design concepts with this competition. It is aimed at students of architecture, interior design, civil engineering, design and related disciplines. As a platform for material research and material design, the Concrete Design Competition does not specify concrete tasks in the form of room programmes, locations or typologies, but focuses on the individual design approach to concrete as a material. Its special properties and potentials are to be explored and made usable for the implementation of one's own design concepts - both as a source of ideas and as a driver of ideas in the design process.