

## **Beyond 3D printing - A novel spatial printing technology for lightweight spaceframe concrete structures - additional support for science communication**

Initiative: "Experiment!" (beendet)

Ausschreibung: Explorative Phase

Bewilligung: 31.01.2023

Laufzeit: 9 Monate

This 'Experiment!' project was successful in 3D printing of concrete for load-bearing and resource-efficiently manufactured structures, e.g. for filigree pedestrian bridges. On this basis, the project team has been invited to the 2023 Time.Space.Existence exhibition which runs during the Architecture Biennale in Venice. Exponates will be created in order to communicate the project results. Further, the opportunity will be used to engage in networking. At the Biennale exhibition, scientists, professionals, artists, and interested laymen meet which can generate more impact for the project.

### **Projektbeteiligte**

#### **Prof. Dr.-Ing. Dirk Lowke**

Technische Universität Braunschweig  
Fakultät III Architektur, Bauingenieurwesen und  
Umweltwissenschaften  
Institut für Baustoffe, Massivbau und Brandschutz  
Braunschweig

#### **Prof. Dr.-Ing. Norman Hack**

Technische Universität Braunschweig  
Fakultät III Architektur, Bauingenieurwesen und  
Umweltwissenschaften  
Institut für Tragwerksentwurf  
Braunschweig