

**NOVEMBER 20/21 2017**

## 4TH RILEM TECHNICAL COMMITTEE DFC MEETING | TU Delft

20-11 | FACULTY OF ARCHITECTURE AND THE BUILD ENVIRONMENT - ROOM Q

9:00 - 14:00

**R**eunion

**L**internationale

**L**aboratories

**E**xperts

**M**ateriaux

### Rilem Technical Committee DFC: Digital Fabrication with Cement-based Materials

For registration please contact: [D.Lowke@ibmb.tu-bs.de](mailto:D.Lowke@ibmb.tu-bs.de)

## WORKSHOP ON 3D MANUFACTURING TECHNOLOGIES IN CONSTRUCTION

21-11 | FACULTY OF ARCHITECTURE AND THE BUILD ENVIRONMENT - ROOM F

9:00 - 17:00

There are an almost limitless number of industries that could benefit from incorporating 3d manufacturing technologies such as Additive Manufacturing into their processes, changing the face of what's possible. However, additive manufacturing in the construction industry has rarely been employed. The interest of this event is to have designers and engineers together to exchange the knowledge regarding the technical and functional developments for the future of building and construction.

#### Morning Session Speakers

**Ulrich Knaack** | TU Delft (Intro)

**Michela Turrin** | TU Delft (Acoustic design by AM)

**Paul de Ruiter** | TU Delft (AM for architecture)

**Valentini Sarakinioti** | TU Delft (SONGE3D: Developing an integrated 3D-printed façade with complex geometries for active temperature control)

**Javid Jooshesh** | TU Delft (Carbon fibre reinforced plastic AM for ultra-lightweight building shells)

**Tomasso Venturini** | TU Delft (Terra-ink: Additive earth manufacturing for emergency architecture)

**Al Amir Mohsen** | TU Darmstadt (Parametric nodes from idea to realisation)

**Dennis de Witte** | TU Darmstadt (3d clay extrusion)

**Ana Anton** | ETHZ (3d printed reinforced beam)

#### Afternoon Session Speakers

**Matthias Seel / Robert Akerboom** | TU Darmstadt (3d printing glass)

**Christopher Borg** | ISMD TU Darmstadt (An overview of AM in building technology)

**Oliver Tessmann** | TU Darmstadt (20.000 blocks)

**Matteo Baldasari / Eric Geboers** | Concr3de (Indirect additive manufacturing for inorganic polymers)

**Juliette Bekkering** | TU/e (Exploring ornament and textures)

**Lucas Ter Hall** | Studio RAP (Concrete water taxi stop project)

**Theo Salet** | TU/e (3d printing reinforced concrete)

**Freek Bos** | TU/e (3d printing reinforced concrete)

For registration, please contact: [B.T.vanVliet-vanderHaas@tudelft.nl](mailto:B.T.vanVliet-vanderHaas@tudelft.nl)



Organiser: Ir. Javid Jooshesh