

# 1<sup>ST</sup> INTERNATIONAL WORKSHOP ON SUSTAINABLE 3D CONCRETE PRINTING THE BRAZILIAN AND GERMAN PERSPECTIVE

October 07-08

Academic and Industryrelated lectures

Hands-on 3DCP session

## **(9)** Venue

Centro Federal de Educação Tecnológica de Minas Gerais (CEFET-MG) – Auditório Principal Campus Nova Suíça – Avenida Amazonas 5253 – Belo Horizonte

# **Registration & contact**

- Registration link:
  https://forms.gle/BZhMCca5pr
  Aoc9Do6
- workshop3dcp@gmail.com

# 1<sup>st</sup> International Workshop on Sustainable 3D Concrete Printing:

# The Brazilian and German Perspective

### **October 07 - 08**

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### **ACADEMIC RESEARCH**

- ( ) 08.00 08.30 h Registration Meet and Greet
- (Prof. Conrado Rodrigues CEFET-MG)
- (Prof. Thorsten Stengel, Hochschule München)
- (Nico Obermeier Hochschule München)
- (\) **10.00 10.30 h** Coffee break
- 10.30 11.00 h Durability of Building Components Manufactured by Selective Paste Intrusion (Kim Brunner Hochschule München)
- (Prof. Paulo Borges, CEFET-MG)
- (11.30 12.00 h Gold Mining Residues as Raw Materials for 3DCP: Preliminary Rheology and Extrusion Assessment (Rafaela K. R. Silva, CEFET-MG)
- (\) **12.00 13.45 h** Lunch break
- 14.00 15.00 h Rheology Applied to Cementitious Materials (Prof. Antonio Bombard, UNIFEI)
- (Prof. Paulo Ricardo de Materials Research at UDESC (Prof. Paulo Ricardo de Matos, UDESC)
- (\) **16.00 16.30 h** Coffee break
- (Marcella de Sena Barbosa, *IFPB*)





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### **INDUSTRIAL APPLICATION**

- ( ) 09.00 10.00 h Cosmos3D Status and challenges of C3DP in Brazil
- (Manfredo Belohuby Innovation and Technology Manager at Sika LATAM)
- (\) **11.00 11.30 h** Coffee break
- 11.30 12.30 h 3D extrusion printing in Germany report on completed construction projects (Dr. Daniel Weger, Schiessl Gehlen Sodeikat Consulting, Germany)
- (\) **12.30 14.00 h** Lunch break
- ᇇ **14.00 17.00 h** Rheology and Printing Workshop (Lab Work)



