

Webinar on 3D Concrete Printing

Thursday, March 21, 2024, at 1.00 to 4.30 p.m.

3D concrete printing (3DCP) is a new and exciting technology that may change the concrete production. Several interesting R&D projects on 3DPC is currently ongoing in universities, research institutes and companies in the Nordic countries. Svenska Betongföreningen (The Swedish Concrete Association) is organizing a webinar on 3DCP in order to disseminate knowledge about this technology. The webinar is also a part of the Nordic co-operation inside the Nordic Concrete Federation which board has decided to start a series of webinars on various hot topics.

Program:

| No | Speaker (accepted) | Affiliation | Preliminary heading |
|-------------|-----------------------|---|--|
| 0 | Johan Silfwerbrand | KTH, SE | Welcoming address |
| 1 | Thomas Juul Andersen | Teknologisk Institut, DK | N3XTCON, focusing on material development for 3DCP |
| 2 | Helena Westerlind | KTH, SE | Towards the Application of Meso-structures in 3DCP |
| 3 | José Hernandez Vargas | KTH, SE | Design for 3D Concrete Printing |
| Short break | | | |
| 4 | Jon Sprangenberg | DTU, DK | Numerical simulation of 3D concrete printing |
| 5 | Roberto Naboni | University of Southern Denmark, DK | Computational Design Strategies for Structural 3D Printed Architecture |
| 6 | Henry Unterreiner | Hyperion Robotics, FI | Structural optimization of concrete structures using 3D printing |
| Short break | | | |
| 7 | Gregor Fischer | DTU, DK | Installation of reinforcement in 3-D printed concrete structures |
| 8 | Ole-Bjorn Moe | Mechatronics Innovation Lab, Grimstad, NO | Implementing 3DCP in the Norwegian construction industry |
| 9 | Jan Suchorzewski | RISE, SE | Industrial applications of 3DCP – materials, printing technology and product development |
| 10 | Johan Silfwerbrand | KTH, SE | Closing |

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