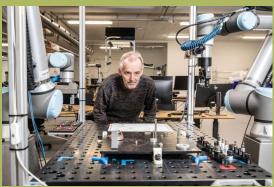
Curious today – Partner tomorrow?















Additive Manufacturing

15:30 Tune in, coffee and greetings

> Grab a cup of coffee. Find a chair and tune in to the ZOOM meeting. Greetings will be immediately prior to four o'clock.

16:00 Researchers corner

> Dr. Saeed Farahani, Prof. Christian Schlette, Assc. Prof. Henrik Blichfeldt, Asst. Prof. Roberto Naboni, Asst. Prof. Alireza Daman Pak Moghaddam, and Eng. Andrei-Alexandru

Popa on: Technologies and applications, Large concrete parts, 4D Printing & Meta Materials, Advanced applications and Adoption of Additive Manufacturing in the organizations.

17:15 How to reach out?

> TEK Innovation is your "one-stop" entry point to SDU researchers and students for future partnerships.

17:20 Partners corner

> AddiFab, a Danish 3D-printing pioneer, and inventor of Freeform Injection Molding by CEO, Lasse Staal

17:40 **Guided tour**

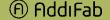
AddiFab facilities in Jyllinge

18:00 **Networking**

> Beers and popcorn for the PHYSICAL participants Break-out sessions for the CYBER participants

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Additive Manufacturing

Technologies and applications, by Dr. Saeed Farahani, Assc. Prof. Henrik Blichfeldt

The existing printing technologies and their applications as well as AM technology usage in a collaborative way using a "Digital Backbone" platform.

Large concrete parts, by Prof. Christian Schlette

Field report from one extreme application, namely 3D printing of concrete of towers in the energy sector. In N3XTCON project, COBOD International A/S and SDU work closely to develop Digital Twins of COBOD's commercial printing systems in the field.

CREATE with Computational Design for Additive Manufacturing, by Asst. Prof. Roberto Naboni

The use of computational design tools allow to maximize the benefits of Additive Manufacturing and achieve higher levels of material performance and design efficiency. The presentation will showcase projects from SDU CREATE, discussing large-scale 3D printing with different material systems

4D Printing & Meta Materials , by Asst. Prof. Alireza Daman Pak Moghaddam

3D Printing of smart materials (4D Printing) to fabricate adaptive metamaterials may create a new generation of collaborative, and other robotic devices.

Advanced applications, by Eng. Andrei-Alexandru Popa

By use of complex materials and novel postprocessing, low-cost recyclable mechatronic products can be produced. Their applications, linked with their topology optimized designs and embedded sensors, span from low digital signals, to wearable electronics and collaborative robot prototypes.

Adoption of Additive Manufacturing in the Organization, by Dr. Saeed Farahani, Assc. Prof. Henrik Blichfeldt

How companies can adopt AM in three areas including rapid prototyping, production tools end components manufacturing.

Overview of Freeform Injection Molding (FIM), by CEO, Lasse Staal

FIM, an agile manufacturing platform, that combines the best from 3D-printing and injection molding to deliver superior product launch acceleration. FIM is highly suitable in terms of materials and mass customization, as well as for the rapid manufacturing of small series of complex spare parts.

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