

# Across length scales in Additive Manufacturing

Date: May 23, 2019

Location: **Horstring C101**

9:15-9:30- Welcome/coffee

**9:30-9:40- Opening Dr. Ir. Timo Meinders**

## Session 1

**Chair: Dr. Arturo Susarrey, Faculty of Science and Technology, UT**

9:40-10:00 – *In-air microfluidics enables rapid fabrication of emulsions, suspensions, and multi-scale materials*, Dr. Claas Willem Visser

10:00-10:20 – *Advanced 3D bioprinted tumor models*, Prof. Dr. Jai Prakash

10:20-10:40 – *Creating advanced bio-inks using microfluidics to engineer multiscale tissues*, Dr. Jeroen Leijten

10:40-11:00 – *Additive manufacturing of self-organizing vascular networks*, Dr. Jeroen Rouwkema

11:00-11:20 **COFFEE BREAK**

## Session 2

**Chair: Dr. Ir. Timo Meinders, Faculty of Engineering Technology, UT**

11:20-11:40 – *Taking AM seriously: the move from prototyping to manufacturing*, Prof. Dr. Ian Gibson

11:40-12:00 – *Two decades of Rapid Prototyping and Additive Manufacturing with DPM*, Dr. Ir. Tom Vaneker

12:00-12:20 – *Additive manufacturing in after-sales service supply chains*, Dr. Nils Knofius

12:20-13:10 **LUNCH**

## Session 3

**Chair: Prof. Dr. Jan Mahy, Saxion University of Applied Sciences**

13:10-13:30 – *Additive Manufacturing on Textiles*, Dr. Henk Gooijer

13:30-13:50 – *Applied research on (concrete, metal, plastic) AM applications*, Ir. Ivo Vrooijink

13:50-14:10 – *Laser-based additive manufacturing at the Chair of Laser Processing-from sub-microns to meters*, Dr. Matthias Feinaeugle

14:10-14:30 – *Integrated Manufacturing solutions for Industrial Additive Production*, Ir. Arjen den Hollander

14:30-14:50 **COFFEE BREAK**

## Session 4

**Chair: Drs. Laura Vargas, Faculty of Science and Technology, UT**

14:50-15:10 – *Additive Manufacturing of Physical sensors*, Prof. Dr. Gijs Krijnen

15:10-15:30 – *Multiscale modeling approaches for powders in additive manufacturing*, Prof. dr Stefan Luding

15:30-15:50 – *Particle-scale and multi-scale modelling of additive manufacturing processes in MercuryDPM*, Dr. Thomas Weinhart

15:50-16:10 – *The scope of additive manufacturing in cryogenics, component design and applications*, Dr. Srinivas Vanapalli

16:10-16:30 – *Additive manufacturing of mesoscale structures with chemical applications*, Prof. Dr. Han Gardeniers

**16:30-17:30- Closure and drinks**