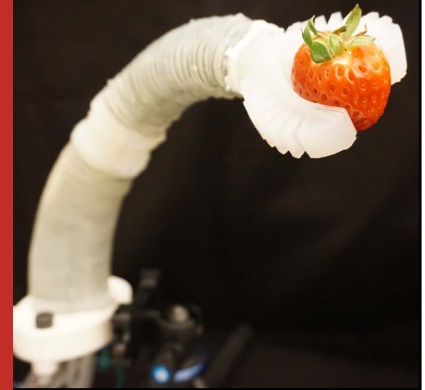


# MaP Distinguished Lecture Series 'Additive Manufacturing'

Internationally renowned experts highlight current research  
& frontiers in Additive Manufacturing.

Tuesdays 16.15 - 17.45 | ETH Zurich Zentrum, HG E 1.1



[www.map.ethz.ch](http://www.map.ethz.ch)

- 22 February**    **Laura De Lorenzis, ETH Zurich**  
FLIGA - A New Computational Tool for Simulation of Extrusion-Based AM Processes
- 1 March**  
**ONLINE**        **Shoji Takeuchi, University of Tokyo & KISTEC**  
3D Tissue Fabrication for Biohybrid Robots
- 8 March**        **Ernst Rank, TU München**  
Immersed Boundary Methods with Applications in Simulation for AM
- 15 March**  
**ONLINE**        **Sang Jin Lee, Wake Forest Institute for Regenerative Medicine**  
3D Bioprinting Strategies for Building Body Parts
- 22 March**       **Michele Chiumenti, UPC BarcelonaTech**  
Numerical Simulation of AM Processes: Industrial Technologies & Numerical Analyses
- 29 March**       **Martin Bechthold, Harvard University**  
Material Uncertainty: Ceramics
- 5 April**         **Ferdinando Auricchio, University of Pavia**  
AM: A World of Challenges & Opportunities. From Computational Mechanics to New AM Technologies, from Civil Engineering to Biomedical Applications.
- 12 April**        **Bai-Xiang Xu, TU Darmstadt**  
Non-isothermal Phase-Field Modeling & Simulation of Microstructure Evolution During AM
- 26 April**        **John Rogers, Northwestern University**  
3D Manufacturing by Geometry Transformation - From Electronic Microfliers to Neural Interfaces
- 3 May**            **Amir Zadpoor, TU Delft**  
Meta-Biomaterials
- 10 May**  
**ONLINE**        **David Kaplan, TUFTS University**  
Printing Structures from Silk Proteins
- 17 May**         **Julia Mergheim, FAU Erlangen-Nürnberg**  
Modelling & Simulation of Selective Beam Melting Processes for Metals & Polymers
- 24 May**         **Xuanhe Zhao, MIT**  
3D Printing of Soft, Living & Robotic Materials
- 31 May**  
**ONLINE**        **Hod Lipson, Columbia University**  
The Four Waves of AM