

9:15 – 9:20

*Welcome and overview of the event: Barbara Mazzolai, Thomas Speck, Mirko Kovac*

*Animals and plants: a face-to-face of growing structures from biology to robotics*

9:20 – 9:40

**Fritz Vollrath**, Oxford Silk Group, Department of Zoology, Oxford University

Topic: Spider web engineering and behavior

URL: <https://www.zoo.ox.ac.uk/oxford-silk-group>

9:40 – 10:00

**Mirko Kovac**, Aerial Robotics Lab, Imperial College London

Topic: Tensile web construction and perching with aerial vehicles

URL: <http://www.imperial.ac.uk/infrastructure-robotics>

10:00 – 10:20

**Justin Werfel**, Wyss Institute for Biologically Inspired Engineering, Harvard

Topic: Collective construction in insects' colonies

URL: <https://projects.ig.harvard.edu/del>

10:20 – 10:40

**Nicholas Rowe**, Botany and Modelling of Plant Architecture and Vegetation, CNRS

Topic: Architecture, functioning and evolution of plants

URL: <http://amap.cirad.fr/en/index.php>

10:40 – 11:00

**Barbara Mazzolai**, Center for Micro-BioRobotics, Istituto Italiano di Tecnologia

Topic: Plant-inspired growing artefacts

URL: <https://www.iit.it/it/people/barbara-mazzolai>

*Biomimetic materials and technologies for architecture, robots and cultural heritage*

11:00 – 11:20

**Andreas Lendlein**, Institute of Biomaterial Science, Helmholtz-Zentrum Geesthacht at Teltow

Topic: Active biomaterials for growing robots

URL: [https://www.hzg.de/institutes\\_platforms/biomaterial\\_science/director/index.php.en](https://www.hzg.de/institutes_platforms/biomaterial_science/director/index.php.en)

11:20 – 11:40

**Thomas Speck**, Plant Biomechanics Group, University of Freiburg

Topic: Biomimetic architecture materials and structures inspired by plants

URL: <https://www.botanischer-garten.uni-freiburg.de/mitarbeiter/pbg>

11:40 – 12:00

**Achim Menges**, Institute for Computational Design and Construction, University of Stuttgart

Topic: Bioinspired architecture

URL: <https://www.icd.uni-stuttgart.de/team/Menges-00002/>

12:00 – 12:20

**Barbara Imhof**, Liquifer Systems Group and University of Applied Design, Vienna

Topic: Space architecture

URL: <http://spacearchitect.org/>

12:20 – 12:40

**Robert Stuart Smith**, Computer Science Autonomous Manufacturing Lab, Univ. College London

Topic: Design, robotics and computation

URL: <https://www.aml-ucl.co.uk/team>