



Organized by:

In Cooperation with:



Start	Finish	
12:50	13:05	<b>M3d+it – Opening (Day 1)</b> <i>Francesco Moscato, MedUni Vienna, &amp; Gernot Kronreif, ACMIT, Wiener Neustadt</i>
13:05	13:30	<b>M3d+it – Keynote 1</b> <i>Chair: Francesco Moscato, MedUni Vienna</i> <b>4D printed smart medical devices: strategies, challenges and trends</b> <i>Andrés Diaz Lantada, UPM, Spain</i>
13:30	15:00	<b>(Session 1) First meeting of the European Special Interest Group for 3D Printing in Hospitals: who we are, what we do?</b> <i>Chairs: Francesco Moscato, MedUni Vienna, &amp; Arnau Valls, SJD Barcelona Children’s Hospital, Spain</i>
13:30	13:45	<b>The European Special Interest Group for 3D Printing in Hospitals</b> <i>Arnau Valls, SJD Barcelona Children’s Hospital, Spain</i>
13:45	14:00	<b>European research landscape in medical 3D Printing</b> <i>Carina Hopfner, LMU Klinikum, Germany</i>
14:00	14:15	<b>European education chances in medical 3D Printing</b> <i>Giovanni Biglino, Bristol Medical School, UK</i>
14:15	14:30	<b>3D planning and printing: registry and reimbursement models</b> <i>Josep Munuera, SJD Barcelona Children’s Hospital, Spain</i>
14:30	14:45	<b>The regulatory path towards custom made devices &amp; in-hospital 3D printing</b> <i>Sabine Rentz-Chorherr, MedUni Vienna</i>
14:45	15:00	<b>Round table discussion</b>
15:00	16:00	<b>(Session 2) Clinical Use-Cases of Additive Manufacturing</b> <i>Chairs: Andrea Lorenz, ACMIT, Wiener Neustadt, &amp; Erik Kornfellner, MedUni Vienna</i>
15:00	15:15	<b>The 3Dlab experience at Erasmus Medical Center Rotterdam</b> <i>Bart Cornelissen, Erasmus MC, Netherlands</i>
15:15	15:30	<b>Optimal aneurysm clip selection through patient-specific 3D physical and holographic simulations</b> <i>Philippe Dodier, MedUni Vienna</i>
15:30	15:45	<b>3D-printed reality – surgical planning in visceral surgery</b> <i>Hans Nopper, cirp GmbH, Heimsheim, Germany</i>
15:45	16:00	<b>Virtual and 3D printing lab in craniomaxillofacial surgery</b> <i>Alessandro Tel, University Hospital of Udine, Italy</i>
16:00	16:35	<b>COFFEE BREAK</b>

16:35	17:00	<b>M3d+it – Keynote 2</b> <i>Chair: Daniel Seitz, BioMed Center Innovation, Germany</i> <b>Solvent-free Fabrication of Nanofibrillar Microbundles that Exhibit Strong Topological Modulation of Primary Human Immune Cells</b> <i>Jürgen Groll, Universitätsklinikum Würzburg, Germany</i>
16:35	17:00	<b>(Session 3) Clinical Use-Cases of Additive Manufacturing</b> <i>Chairs: Zoltan Major, JKU Linz, &amp; Filip Jelinek, ACMIT, Wiener Neustadt</i>
17:00	17:15	<b>3D printing in veterinary medicine</b> <i>Moritz Klonner, Vet MedUni Vienna</i>
17:15	17:30	<b>3D manufactured patient-specific tracheobronchial stents</b> <i>Thomas Schweiger, MedUni Vienna</i>
17:30	17:45	<b>Clinical implementation of 3D technologies in the paediatric cardiology setting</b> <i>Vico Schot, Bristol Medical School, UK</i>
17:45	18:00	<b>Segmentation and modeling strategies for preoperative planning in pediatric surgery</b> <i>Daniel Seitz, BioMed Center Innovation, Germany</i>
18:00	18:45	<b>(Session 4) Additive Manufacturing: Industry Update</b> <i>Chairs: Gernot Kronreif, ACMIT, Wiener Neustadt, &amp; Ewald Unger, MedUni Vienna</i>
18:00	18:15	<b>Point-Of-Care 3D printing with Stratasys solutions</b> <i>Arnaud Toutain, EMEA Stratasys, Rheinmünster, Germany</i>
18:15	18:30	<b>Mass Personalization at the Point Of Care</b> <i>Veronica Ceccato, Materislise, Leuven, Belgium</i>
18:30	18:45	<b>3D-technologies for surgical education and training</b> <i>Gernot Kronreif, ACMIT, Wiener Neustadt</i>
18:45	18:50	<b>M3d+it – Closing (Day 1)</b> <i>Francesco Moscato, MedUni Vienna, &amp; Gernot Kronreif, ACMIT, Wiener Neustadt</i>
20:00	Open End	<b>Social Event   Networking @ Heuriger Hengl-Haselbrunner</b>

Start	Finish	
08:15	08:20	<b>M3d+it – Opening (Day 2)</b> <i>Francesco Moscato, MedUni Vienna, &amp; Gernot Kronreif, ACMIT, Wiener Neustadt</i>
08:20	08:45	<b>M3d+it – Keynote 3</b> <i>Chair: Gernot Kronreif, ACMIT, Wiener Neustadt</i> <b>Fundamental challenges for the mechanics of 3D printed implants</b> <i>Nazli Sarkalkan Tumer, TU Delft, Netherlands</i>
08:45	10:00	<b>(Session 5) Additive manufacturing: Research &amp; Development</b> <i>Chairs: Emir Benca, MedUni Vienna, &amp; Gunpreet Oberoi, MedUni Vienna</i>
08:45	9:00	<b>Customized orthotics with uniform pressure based on AM non-periodic lattices</b> <i>Giorgio De Pasquale, Politecnico di Torino, Italy</i>
9:00	9:15	<b>Radiologic imaging property tuning using multi-material extrusion 3D-printing</b> <i>Andrea Lorenz, ACMIT, Wiener Neustadt</i>
9:15	9:30	<b>3D bioprinting of human placenta ECM Hydrogels for soft tissue engineering</b> <i>Karl Schneider, MedUni Vienna</i>
9:30	09:45	<b>3D printed silk-ceramic composites for bone tissue engineering</b> <i>Vincent Fitzpatrick, Tufts University, USA</i>
09:45	10:00	<b>MRI-visible imaging phantoms manufactured using 3d printing</b> <i>Markus Ortner, MedUni Vienna</i>
10:00	10:15	<b>High resolution vat photopolymerization for fabrication of tricalcium phosphate and hydroxyapatite scaffolds for bone regeneration</b> <i>Martin Schwentenwein, Lithoz, Vienna</i>
10:15	10:30	<b>COFFEE BREAK</b>
10:30	11:30	<b>(Session 6) International Projects</b> <i>Chairs: Daniel Seitz, BioMed Center Innovation, Germany, &amp; John van den Dobbelen, TU Delft, Netherlands</i>
10:30	10:45	<b>EU-MDOT (Medical Device Obligation Taskforce)</b> <i>Gernot Kronreif, ACMIT, Wiener Neustadt</i>
10:45	11:00	<b>EU-INKplant (Ink-Based Hybrid Multi-Material Fabrication Of Next Generation Implants)</b> <i>Elena Guillén Rodríguez, Profactor, Steyr</i>
11:00	11:15	<b>Third Strategy in Tissue Engineering – ERC CoG at TU Wien</b> <i>Oliver Kopinski-Grünwald, TU Vienna</i>

11:15	11:30	<b>EU-INCITE (Immune Niches for Cancer ImmunoTherapy Enhancement)</b> <i>Simon Sayer, UpNano, Vienna</i>
11:30	13:00	<b>(Session 7) National Projects</b> <i>Chairs: Francesco Moscato, MedUni Vienna, &amp; Laszlo Jaksa, ACOMIT, Wiener Neustadt</i>
11:30	11:45	<b>M3dRES project: Additive Manufacturing for M3dical RESearch</b> <i>Francesco Moscato, MedUni Vienna</i>
11:45	12:00	<b>Medusa &amp; Ares Projects</b> <i>Julia Maier, JKU, Linz</i>
12:00	12:15	<b>Meniskus 3D-Silk-Print Project</b> <i>Jennifer Fritz, Danube University, Krems</i>
12:15	12:30	<b>CAMed: In-House Manufacturing of Patient-Specific Implants – Business Process Management in the Clinic</b> <i>Philipp Url, TU Graz</i>
12:30	12:45	<b>OPTIFLOW-3D Project: Optimized Hydrodynamic Flow Behaviour by Selective Surface Structured of Ceramic 3D Printed Rotodynamic Blood Pumps</b> <i>Michael Mühlberger, Profactor, Steyr</i>
12:45	13:00	<b>QA Tomosynthesis Project</b> <i>Elisabeth Salomon, MedUni Vienna</i>
13:00	13:05	<b>M3d+it – Closing (Day 2)</b> <i>Francesco Moscato, MedUni Vienna, &amp; Gernot Kronreif, ACOMIT, Wiener Neustadt</i>

Conference Co-Chairs:

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