


**WEDNESDAY, 04 June 2025 (Day 1)**

15 <sup>40</sup> – 16 <sup>10</sup>	Poster Pitch session
	Poster presentations* – 1-minute/1 slide presentation for each poster
16 <sup>10</sup> – 17 <sup>20</sup>	Posters Session & Coffee (building H-14)
1	<b>Mateusz Banaszek</b> , Military University of Technology in Warsaw, Poland <i>Mechanical response of bioinspired TPMS structures manufactured via EBM under quasi-static loading conditions</i>
2	<b>Aleksander Banaś, Radosław Wojtuszewski</b> , PZL MIELEC, Poland <i>Advancing Aerospace Composite Additive Manufacturing: Integrating AFP Technology's Material, Structural, and Analysis Perspectives</i>
3	<b>Paulina Dzienny</b> , Wrocław University of Science and Technology, Poland <i>Beyond the Macro: Unleashing Micro &amp; Nano Functionality in Additive Manufacturing with Femtosecond Precision</i>
4	<b>Marta Frankowicz</b> , Wrocław University of Science and Technology, Poland <i>Extrusion-Based 3D Printing of Hybrid Plant-Based Meat Analogues</i>
5	<b>Zuzanna Gembala</b> , Wrocław University of Science and Technology, Poland <i>Application of 3D Printing and Micro-CT Imaging in Education and Biological Structure Reconstruction: A Case Study of a <i>Lepidodactylus Lugubris</i> Egg</i>
6	<b>Katarzyna Jasik</b> , Military University of Technology in Warsaw, Poland <i>Additive manufacturing of metal parts using the MEX method – investigation of process parameters and their influence on material structure</i>
7	<b>Agnieszka Klimek</b> , Military University of Technology in Warsaw, Poland <i>Application of machine learning to predict porosity of 42CrMo4 steel components manufactured by PBF-LB/M technique</i>
8	<b>Aleksander Kubeczek</b> , Wrocław University of Science and Technology, Poland <i>Dual Beam Laser Sintering – closed loop PA12 reuse</i>
9	<b>Anil Kunwar</b> , Silesian University of Technology, Poland <i>Physics-informed neural network modeling of template-based copper electrodeposition for 3D printing design</i>
10	<b>Tajwo Ladipo</b> , Wrocław University of Science and Technology, Poland <i>Optimizing Process Parameters for Laser-Based Powder Bed Fusion of PAEK at Reduced Temperatures</i>
11	<b>Monika Lewandowska</b> , Wrocław Medical University, Poland <i>Carrageenan-based hydrogels for use in drug formulation via semi-solid 3D printing technology</i>
12	<b>Agnieszka Łagoda</b> , Opole University of Technology, Poland <i>Ultrasonic Atomization of Waste Materials: A Case Study on MS1 Steel</i>
13	<b>Jakub Marchewka</b> , AGH University of Krakow, Poland <i>Evaluation of catalytic activity of nickel/silica catalysts for Sabatier reaction prepared by Direct Ink Writing</i>
14	<b>Sebastian Müller</b> , Fraunhofer Institute for Machine Tools and Forming Technology, Germany <i>Copper conductive lines with glass insulation by a melt extrusion process – Coco</i>



15	<b>Sebastian Müller</b> , Fraunhofer Institute for Machine Tools and Forming Technology, Germany <i>Polymer-Metal 3D Printing using hybrid material extrusion – Pompey</i>
16	<b>Małgorzata Noworyta</b> , Cracow University of Technology, Poland <i>Application of VPP 3D printing technique to obtain ceramic objects</i>
17	<b>Joanna Ortyl</b> , Cracow University of Technology, Poland <i>New photoinitiators for 3D VPP printing with photopolymerization techniques for printing micro-needles for biomedical applications</i>
18	<b>Marcin Orzechowski</b> , Bimo Tech Sp. z o.o., Poland <i>SPARK (Strong Performance Alloys for Rocket Kinetics)</i>
19	<b>Filip Petko</b> , Cracow University of Technology, Poland <i>Frontal photopolymerization as a new technique for additive manufacturing processes of obtaining composites materials</i>
20	<b>Sachin Poudel</b> , Silesian University of Technology, Poland <i>Thermal-Structural Modeling of Additively Manufactured Ni-YSZ Layers for SOFC Electrodes applications</i>
21	<b>Bartłomiej Sarzyński</b> , Military University of Technology in Warsaw, Poland <i>Additive Manufacturing of Conical Interference-Fit Joints from 42CrMo4 Steel with Laser-Hardened Zones using the SLM Technique</i>
22	<b>Maciej Sitarz</b> , AGH University of Krakow, Poland <i>Composite metal/silica catalysts for Sabatier reaction prepared by Direct Ink Writing</i>
23	<b>Upadesh Subedi</b> , Silesian University of Technology, Poland <i>Digital Twin for Phase Transition Prediction in Laser-Based Additive Manufacturing: A Phase-Field and U-Net Model Framework</i>
24	<b>Bhavishanth Suresh</b> , Waseda University, Japan <i>Additive Manufacturing of Lunar Regolith Structures Using Multi-Wavelength Photopolymerization</i>
25	<b>Krzysztof Szczepniak</b> , Wrocław University of Science and Technology / Silencions Sp. z o.o., Poland <i>Selection of process parameters for the fabrication of lattice structures</i>
26	<b>Urszula Tekień</b> , Wrocław University of Science and Technology, Poland <i>Influence of Geometry on Energy Absorption Properties of Additively Manufactured Gyroid, Split P and Diamond TPMS structures</i>
27	<b>Paweł Widomski</b> , Wrocław University of Science and Technology, Poland <i>Comparative Study of Binder Jetting, Fused Deposition Modeling and Sintering (FDMS), Selective Laser Melting (SLM), and Laser Metal Deposition (LMD) Printing Technologies for H13 Tool Steel Production</i>
28	<b>Ayesha Zaka</b> , Aalto University, Finland <i>Bulk metallic glass composites for green energy transition</i>
29	<b>Dominik Zdybał</b> , Alpha Powders Sp. z o.o., Poland <i>Revolution in polymer powder materials for Selective Laser Sintering industry</i>
30	<b>Agnieszka Żuk</b> , Wrocław University of Science and Technology, Poland <i>Laser-induced periodic surface structuring of Ti-6Al-7Nb alloy manufactured by L-PBF for medical applications</i>

\* Listed in alphabetical order by surname, according to the provided list