

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

15 ⁴⁰ – 16 ¹⁰	Poster Pitch session
	Poster presentations* – 1-minute/1 slide presentation for each poster
16 ³⁰ – 17 ³⁰	Coffee Break
16 ³⁰ – 17 ³⁰	Posters session (building H-14)

1	Mateusz Banaszek , Military University of Technology in Warsaw, Poland <i>Mechanical response of bioinspired TPMS structures manufactured via EBM under quasi-static loading conditions</i>
2	Aleksander Banaś, Radosław Wojtuszewski , PZL MIELEC, Poland <i>Advancing Aerospace Composite Additive Manufacturing: Integrating AFP Technology's Material, Structural, and Analysis Perspectives</i>
3	Paulina Dzienny , Wrocław University of Science and Technology, Poland <i>Beyond the Macro: Unleashing Micro & Nano Functionality in Additive Manufacturing with Femtosecond Precision</i>
4	Marta Frankowicz , Wrocław University of Science and Technology, Poland <i>Extrusion-Based 3D Printing of Hybrid Plant-Based Meat Analogues</i>
5	Zuzanna Gembala , 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 Lepidodactylus Lugubris Egg</i>
6	Katarzyna Jasik , 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	Agnieszka Klimek , 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	Aleksander Kubeczek , Wrocław University of Science and Technology, Poland <i>Dual Beam Laser Sintering – closed loop PA12 reuse</i>
9	Anil Kunwar , Silesian University of Technology, Poland <i>Physics-informed neural network modeling of template-based copper electrodeposition for 3D printing design</i>
10	Monika Lewandowska , Wrocław Medical University, Poland <i>Carrageenan-based hydrogels for use in drug formulation via semi-solid 3D printing technology</i>
11	Agnieszka Łagoda , Opole University of Technology, Poland <i>Ultrasonic Atomization of Waste Materials: A Case Study on MS1 Steel</i>



12	Małgorzata Noworyta , Cracow University of Technology, Poland <i>Application of VPP 3D printing technique to obtain ceramic objects</i>
13	Joanna Ortyl , Cracow University of Technology, Poland <i>New photoinitiators for 3D VPP printing with photopolymerization techniques for printing micro-needles for biomedical applications</i>
14	Marcin Orzechowski , Bimo Tech Sp. z o.o., Poland <i>SPARK (Strong Performance Alloys for Rocket Kinetics)</i>
15	Filip Petko , Cracow University of Technology, Poland <i>Frontal photopolymerization as a new technique for additive manufacturing processes of obtaining composites materials</i>
16	Sachin Poudel , Silesian University of Technology, Poland <i>Thermal-Structural Modeling of Additively Manufactured Ni-YSZ Layers for SOFC Electrodes applications</i>
17	Bartłomiej Sarzyński , 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>
18	Upadesh Subedi , 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>
19	Bhavishanth Suresh , Waseda University, Japan <i>Additive Manufacturing of Lunar Regolith Structures Using Multi-Wavelength Photopolymerization</i>
20	Krzysztof Szczęśniak , Wrocław University of Science and Technology / Silencions Sp. z o.o., Poland <i>Selection of process parameters for the fabrication of lattice structures</i>
21	Urszula Tekień , 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>
22	Paweł Widomski , 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>
23	Ayesha Zaka , Aalto University, Finland <i>Bulk metallic glass composites for green energy transition</i>
24	Dominik Zdybał , Alpha Powders Sp. z o.o., Poland <i>Revolution in polymer powder materials for Selective Laser Sintering industry</i>
25	Agnieszka Żuk , Wrocław University of Science and Technology, Poland <i>Biocompatibility of Periodically Laser-Structured Titanium Surfaces Produced by L-PBF Technology</i>