



THURSDAY, 19 September 2019 (Day 2)

Young scientists posters session (building B-4)

- 1 Rabia Aftab, Tallinn University of Technology, Estonia
Soft magnetic properties of FeCo alloy produced with Selective Laser Melting

- 2 Sandra Bednarek, Wrocław University of Science and Technology, Poland
The influence of part build orientation on its strength properties and dimensional accuracy in MJF technology

- 3 Paula Broniszewska, Institute of Fundamental Technological Research PAS, Poland
Anodic Oxidation of AlSi10Mg Alloy Manufactured by DMLS

- 4 Agnieszka Chmielewska, Warsaw University of Technology, Poland
Chemical and Electrochemical Polishing of 3D Printed Metal Parts

- 5 Bianca Gomes, ISQ, Portugal
Effect of Interpass Temperature on the Properties of Al-Cu Alloys Parts Produced by Wire and Arc Additive Manufacturing

- 6 Konrad Gruber, Wrocław University of Science and Technology, Poland
Methodology of Powder Qualification for L-PBF Process on Example of Nickel-based Alloy In718

- 7 Piotr Gruber, Wrocław University of Science and Technology, Poland
Influence of Active Pharmaceutical Ingredients and Plasticizers on Processability of HPMC with FFF Technology

- 8 Viktoria Hoppe, Wrocław University of Science and Technology, Poland
Application of alloys based on ternary Ti-Nb-Zr system in additive manufacturing – review

- 9 Eva Horynova, Czech Technical University, Czech Republic
Degradation Study of 3D Printed Structures from Polylactic Acid

- 10 Javad Karimi, Tallinn Technology University, Estonia
Additive Manufacturing of High-Entropy Alloys

- 11 Michał Karoluk, Wrocław University of Science and Technology, Poland
The Influence of Abrasive Blasting Parameters on Surface Quality of Titanium Alloy Ti-6Al-4V Parts Produced by Electron Beam Melting

- 12 Dmitriy Khrapov, Tomsk Polytechnic University, Russia
Manufacturing of Ti-Nb alloy from elemental powders by EBM

- 13 Aleksander Kowalski, Łukasiewicz Research Network — Institute of Non-Ferrous Metals, Poland
The influence of various WAAM parameters on the microstructure of Cu-Al alloys

- 14 Marta Krawczyk, West Pomeranian University of Technology, Poland
Analysis of Fused Filament Fabrication Strategy on Polyamide Properties



15	Joanna Kulasa, Łukasiewicz Research Network — Institute of Non-Ferrous Metals, Poland <i>Application of the 3DMP® technology in a marine industry</i>
16	Adrianna Mackiewicz, Wrocław University of Science and Technology, Poland <i>Development of Manufacturing Method of the MAP21 Magnesium Alloy Prepared by Selective Laser Melting (SLM)</i>
17	Benjamin Meier, Joanneum Research Forschungsg mbh, Austria <i>Effect of Powder Properties on Mechanical and Physical Properties of Ti64 Processed by SLM</i>
18	Micael Nascimento, University of Aveiro, Portugal <i>Cascaded Optical Fiber Sensor for Temperature and Strain Monitoring of 3D Additive Manufacturing Processes</i>
19	Małgorzata Rusińska, Wrocław University of Science and Technology, Poland <i>Mechanical Properties and Structure Analysis of PLA Bone Regeneration Scaffolds Manufactured with the Use of FFF Method</i>
20	Krzysztof Surma, Wrocław University of Science and Technology, Poland <i>The Designing Process of Personalized Products Based on Reverse Engineering Tools on the Example of an Intervertebral Disc Implant</i>
21	Bartłomiej Świątek, HBM Prenscia, Poland <i>Function Integration Impact on Failure Rates in Additive Manufactured Parts</i>
22	Patrycja Szymczyk, Wrocław University of Science and Technology, Poland <i>The influence of surface modification processes of additive manufactured titanium alloys on cytotoxicity and bacterial activity</i>
23	Magdalena Tomanik, Wrocław University of Science and Technology, Poland <i>Mechanical Properties of HPMC For Drug Delivery Systems Manufactured using FFF Process</i>
24	Grzegorz Treter, Wrocław University of Science and Technology, Poland <i>In situ X-ray Computed Tomography Method for Structure and Mechanical Properties Analysis of Additive Manufactured Polymers</i>
25	Christoph Weinkum, University of Applied Sciences Technikum Wien, Austria <i>3D printing of endless fiber-reinforced components</i>
26	Bartłomiej Wysocki, Warsaw University of Technology / MaterialsCare, Poland <i>Mechanical properties, microstructure and cell behavior of CP titanium processed by Selective Laser Melting (SLM)</i>
27	Michał Ziętała, Military University of Technology, Poland <i>The temperature distribution and thermal cycles during the 316L stainless steel manufacturing by Laser Engineered Net Shaping</i>