



THURSDAY, 19 September 2019 (Day 2)

Young scientists posters session (building B-4)

- 1 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

- 2 Paula Broniszewska, Institute of Fundamental Technological Research PAS, Poland
Anodic Oxidation of AISi10Mg Alloy Manufactured by DMLS

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

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

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

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

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

- 8 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

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

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

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

- 12 Joanna Kulasa, Łukasiewicz Research Network — Institute of Non-Ferrous Metals, Poland
Application of the 3DMP® technology in a marine industry

- 13 Adrianna Mackiewicz, Wrocław University of Science and Technology, Poland
Development of Manufacturing Method of the MAP21 Magnesium Alloy Prepared by Selective Laser Melting (SLM)



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