

3D Printing and Scanning Trends 2022

Conference Programme



INSTITUTE FOR NANOMATERIALS,
ADVANCED TECHNOLOGIES
AND INNOVATION TUL

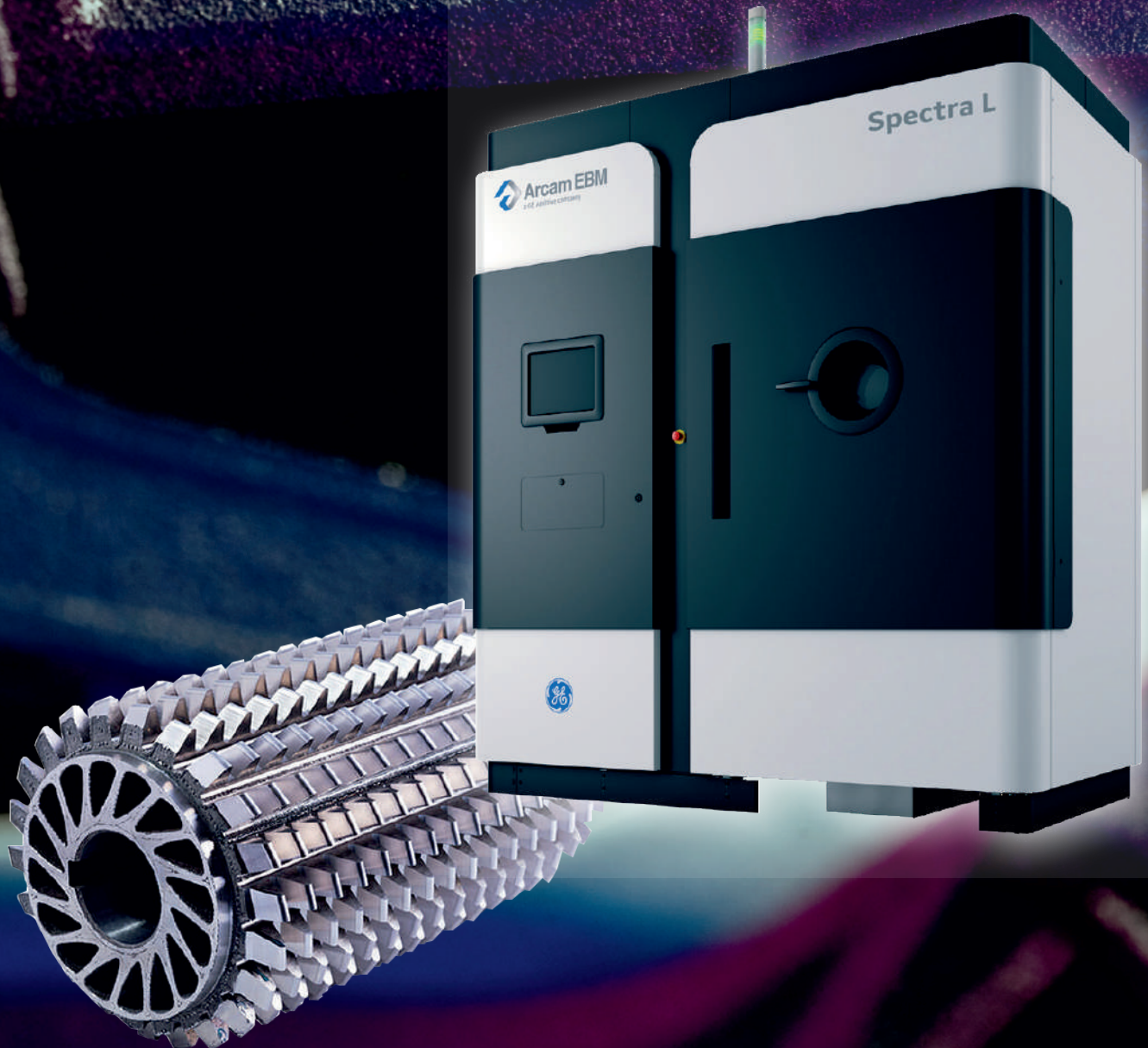


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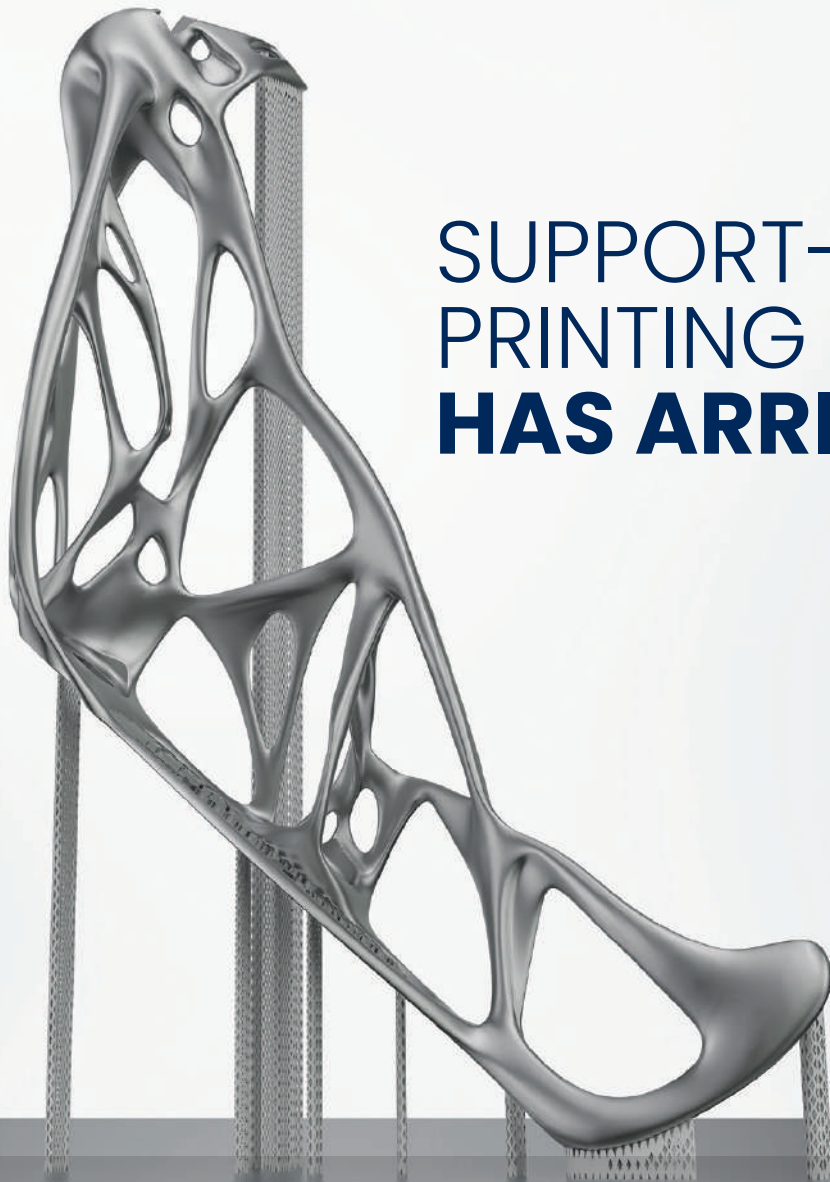
3rd November 2022 – Thursday	
09:00 – 09:10	Welcome speech by Mr. M. Černík (director of the CxI) and organisation committee
09:10 – 09:20	Program conference - the main programme of the conference, Ph.D. forum
09:20 – 9:50	Mr. L. Čapek – Regional hospital Liberec (CZ) Topic: In House 3D Printing and Hospital Data Life-Cycle Management System
9:50 – 10:20	Mr. T. Huguet – Laboratoire Laplace, Toulouse (FR) Topic: 3D Printed Electric Motor
10:20 – 10:40	Short break
10:40 - 11:10	Mr. A. Grygar – Invent Medical (CZ) Topic: Algorithm Driven 3D Printed Medical Products
11:10 – 11:40	Mr. M. Czinner – Regional hospital Liberec (CZ) Topic: 3D Planning in Forearm Reconstructive Surgery
11:40 – 12:10	Mr. S. Uthamaraj – Mayo Clinic (USA) Topic: Additive Manufacturing at the Point-of-Care: Mayo Clinic's Experience and Future Outlook
12:10 – 12:40	Short break
12:40 – 13:10	Mr. W. Förster – University of Cooperative Education Glachau (DE) Topic: Mechanical Performance of Hollow Sphere Infill Structures Under Compression Load
13:10 – 13:40	Mr. J. Hudec – Misan s.r.o. (CZ) Topic: Electron Beam Melting
13:40 – 14:10	Mr. J. A. Narvarte - Mondragon Unibertsitatea (ES) Topic: Additive Manufacturing of Structural Composites
14:10 – 14:30	Short break
14:30 – 15:00	Mr. Z. Plíva – Technical University of Liberec (CZ) Topic: Printed Circuit Boards
15:00 – 15:40	Keynote speaker: Mr. C. Rock – NC State University (USA) Topic: Alloy Design and Process Monitoring for Additive Manufacturing
15:40 – 16:10	Keynote speaker: Mr. M. Zetek – University of West Bohemia (CZ) Topic: Useful Properties of 3D Printed Parts Produced by DMLS technology
16:10 – 16:40	Mr. M. Seidl – Technical University of Liberec (CZ) Topic: Usability of Specific Polymer Waste
16:40 – 17:00	Conclusion
4th November 2022 – Friday	
09:00 – 09:10	Program conference and Ph.D. forum
09:10 – 09:40	Mr. D. Koutny – Brno University of Technology (CZ) Topic: Additive Manufacturing of Biodegradable Magnesium Alloys
09:40 – 10:10	Mr. F. Ragusa – SLM Solutions Group AG (DE) Topic: Metal Additive Manufacturing Technology for the Energy Sector
10:10 – 10:40	Mr. P. Zeleny - Technical University of Liberec (CZ) Topic: 3D Printing of the Concrete
10:40 - 11:10	Mr. D. Skaroupka – 3Deposition s.r.o. (CZ) Topic: Large Scale 3D Printing Strategies and Instrumentation
11:10 – 11:40	Mr. M. Trpak - Czech company Scolopt (CZ) Topic:
11:40 - 12:10	Mr. O. Melter – Czech Technical University in Prague (CZ) Topic: Robotic fabrication of cementitious materials on a device developed within the 3D Star project
12:10 – 13:40	Short break
12:40 - 16:00	Ph.D. forum

**SYSTÉMY PRO SPÉKÁNÍ PRÁŠKOVÝCH KOVŮ
ELEKTRONOVÝM PAPRSKEM**





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