

2022 ASPE and euspen Summer Topical Meeting on Advancing Precision in Additive Manufacturing

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11-14 July 2022

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Table of Contents

Preface.....	ii
Table of Contents	iii
Foreword	iv
Sustaining Corporate Members	v
Corporate Members.....	vii
Technical & Poster Paper Index.....	viii
Technical Papers	1-260
Author Index	261

Technical & Poster Paper Index

Session 1

Design for Manufacturing and Topology Optimization – I

Tuesday, July 12, 2022

8:30 AM – 10:00 AM

Session Chairs: John S. Taylor (University of North Carolina – Charlotte) and Dirk Oberschmidt (Technische Universität Berlin)

1.	Invited – Enabling Process-aware Design Optimization for Mitigating Residual Stress and Distortion in Metal Additive Manufacturing Wen Dong, Praveen Vulimiri, Albert C. To (University of Pittsburgh)	1
2.	Invited – (Micro)structure Considerations in Additive Manufacturing John J. Lewandowski, Hannah Sims (Case Western Reserve University); Mohsen Seifi (ASTM International).....	6
3.	Invited – Controlling Cooling Rates through Topology Optimization for Required Microstructure in Additive Manufacturing Process Vibhas Mishra, Can Ayas, Matthijs Langelaar, Fred van Keulen (Delft University of Technology)	8

Session 2

Applications of Additive Manufacturing

Tuesday, July 12, 2022

10:30 AM – 11:50 AM

Session Chairs: Henning Zeidler (TU Freiberg, Germany) and Xiayun Zhao (University of Pittsburgh)

1.	Heat Transfer Characteristics of Additively Manufactured Surfaces: An Experimental and Computational Study Kuldeep Mandloi, Christopher J. Evans, Harish P. Cherukuri, Jimmie A. Miller, Angela Allen, Jeff Raquet, Brian Dutterer (University of North Carolina at Charlotte); Jason C. Fox (National Institute of Standards and Technology).....	13
2.	Additive Manufacturing of High Resolution PZT Components: Slurry Development, Characterization, Design and Fabrication Marina Artemeva, Anna Danielak, Alberto Basso, Javier L. Navas, Macarena M. Ribo, David B. Pedersen, Venkata K. Nadimpalli (Technical University of Denmark)	18
3.	Evaluating the Scalability of Channels Made by Binder Jetting and Laser Powder Bed Fusion Using X-ray CT and Image Analysis Approach Thomas Dahmen, Wayne E. Alphonso, Christopher G. Klingaa, Sina Baier-Stegmaier, Alberto Lapina, Venkata K. Nadimpalli, David B. Pedersen, Jesper H. Hattel (Technical University of Denmark)	24
4.	Non-destructive, Low Cost Qualification of AM Materials and Processes using RF Measurements Paul R. Carriere, Nanda Matavalan, Pedro Frigola, Aurora Araujo, Sergey Kutsaev (Radiabeam Technologies)	30

Session 3**Poster Introductions-Rapid Fire****Tuesday, July 12, 2022****11:50 AM – 12:30 PM****Session Chairs: Adam Thompson (University of Nottingham) and Seno Rekawa (Lawrence Berkeley National Laboratory)**

1. Microstructure Analysis of Laser-based Powder Bed Fusion Surfaces Ahmet Koca , Mingyu Liu, Richard Leach (University of Nottingham)	32
2. Inside an MPVP Light Engine: Illumination System Analysis Gwendoline A. E. Anand , Anna H. Danielak, Alberto Basso, Macarena Méndez Ribó, Javier Navas López, Marina Artemeva, Jon Spangenberg, David B. Pedersen (Technical University of Denmark).....	36
3. Machine Learning Aided High Dynamic Range 3D Measurements of Surface Topography During LPBF Additive Manufacturing with In-situ Fringe Projection Profilometry Topography Haolin Zhang , Chaitanya Krishna Prasad Vallabh, Sizhe Xu, Xiayun Zhao (University of Pittsburgh)	41
4. Spatial Resolution of 3D Printed Silica-acrylate Hybrid Materials via VAT Photopolymerization Javier López Navas , Gwendoline A. E. Anand, Alberto Basso, Anna H. Danielak, Marina Artemeva, Macarena Méndez Ribó, David B. Pedersen (Technical University of Denmark); Zhang Liu, King Lun Yeung (The Hong Kong University of Science and Technology)	47
5. In-situ Optical Sensor Integration in an Open Source L-PBF System for Correlating Laser Power to Melt Pool Radiation Kenneth AE. Meinert , Christian L. Budden, Aakil Raj Lalwani, David B. Pedersen (Technical University of Denmark); Rob Kleijnen (LEGO System A/S).....	52
6. In-Situ Monitoring of Wire Arc Additive Manufacturing for Defect Prediction Using Random Forests Eduardo Miramontes , Bradley H. Jared, Joshua Penney, William R. Hamel,, Tony L. Schmitz, Samuel St. John, Anahita Khojandi (University of Tennessee Knoxville)	57
7. Topology Optimization of Thin-walled Parts for Hybrid Manufacturing Eduardo Miramontes , William R. Hamel, Joshua Penney, Tony L. Schmitz, Bradley H. Jared (University of Tennessee Knoxville); Joshua Robbins (Sandia National Laboratories)	62
8. Hybrid Manufacturing of Steel Boat Propellers Joshua Penney , Aaron Cornelius, Tiffany Quigley, William Hamel, Bradley H. Jared, Tony L. Schmitz (University of Tennessee, Knoxville).....	66
9. Precision Finishing of Additive Manufactured Ti-Al-components Using Diamond Slide Burnishing Julian Polte, Mitchel Polte, Eckart Uhlmann (Fraunhofer Institute for Production Systems and Design Technology IPK); Christian Lahoda (Technische Universität Berlin)	70
10. Optimal Dispersant Concentration of PZT Ceramic-containing Slurry to Enhance Printing and Surface Quality of DLP 3D Printed Ceramics Insup Kim , Sanglae Kim, Alberto Andreu, Jeong-Hwan Kim, Yong-Jin Yoon (Korea Advanced Institute of Science and Technology)	74
11. Continuously Varied Infill Pattern (ConVIP) for Fused Filament Fabrication 3D Printing Sanglae Kim , Alberto Andreu, Insup Kim, Jeong-Hwan Kim, Yong-Jin Yoon (Korea Advanced institute of Science and Technology)	78
12. Fast Impression Painting Using Multi-color Fused Deposition Modeling with a Diamond Hotend Riccardo Tonello , David Bue Pedersen, Jeppe Revall Frisvad (Technical University of Denmark), Fereshteh Abedini (Linkoping University)	83

13. Compounding for Material Extrusion Additive Manufacturing	
Frederik Grønborg, Jon Spangenberg, David B. Pedersen (Technical University of Denmark)..	88
14. Extrusion Head Geometry Influence on Strand Wall Uniformity in Additive Manufacturing	
Marco Brander, Mathias M. Christensen, Jonathan T. Pedersen-Bjergaard, Berin Seta, David B. Pedersen, and Jon Spangenberg (Technical University of Denmark).....	93

Session 4

Design for Manufacturing and Topology Optimization – II

Tuesday, July 12, 2022

1:30 PM – 2:30 PM

Session Chairs: Bradley Jared (University of Tennessee, Knoxville) and Fred van Keulen (Delft University of Technology)

1. Increased Damping for Shape Memory Alloy Powder Bed Fusion Structures	
Gregory M. Corson, Matthew Robert Patterson, Tony L. Schmitz (University of Tennessee, Knoxville); Patxi Fernandez-Zelaia, Christopher Ledford (Oak Ridge National Laboratory).....	98
2. A Physics-based Topology Optimization Method for Enhancing Precision in Metal Parts	
Rajit Ranjan, Can Ayas, Matthijs Langelaar, Fred van Keulen (Delft University of Technology); Zhuoer Chen (Chalmers University of Technology)	104
3. Field Driven Design and Additive Manufacturing of Optomechanical Components	
Nicholas Horvath, Prabhjot Singh, Ivan Lucatero, Isaac Weingrod (Lockheed Martin Space, USA)	108

Session 5

Additive Manufacturing Process Physics

Tuesday, July 12, 2022

2:45 PM – 3:45 PM

Session Chairs: Paul Hooper (Imperial College) and Jason Fox (National Institute of Standards & Technology)

1. Influence of Critical Process Parameters on Surface Roughness and Statistical Optimization of LPBF 316L Stainless Steel	
S. R. Narasimharaju, W. Liu, W. Zeng, Paul J. Scott, X. Jiang, S. Lou (University of Huddersfield, Queensgate)	113
2. Modelling of Additive Manufacturing — Compression Molding Process using Computational Fluid Dynamics	
Berin Šeta, Marco Brander, Md. Tusher Mollah, Jon Spangenberg (Technical University of Denmark); Vipin Kumar, Deepak Kumar Pokkalla, Seokpum Kim (Oak Ridge National Laboratory)	119
3. Layer-to-layer Dynamics in DED and their Relation to Stability and Geometric Accuracy in 5-axis Parts	
Douglas A. Bristow, Michelle Gegel (Missouri University of Science and Technology)	124

Session 6

Poster Session

Tuesday, July 12, 2022

3:45 PM – 4:30 PM

For a listing of the posters, see Session 3.

Session 7

Additive Manufacturing Process Optimization

Tuesday, July 12, 2022

4:30 PM – 5:30 PM

Session Chairs: David Bue Pedersen (Technical University of Denmark) and Michael Cullinan (The University of Texas at Austin)

1. Efficient Fused Filament Fabrication of Large-scale Parts with High Resolution

Moritz Lamottke, Leif Micke, **Henning Zeidler** (TU Bergakademie Freiberg); Thomas Berger, Sascha Loebel, André Martin, Andreas Schubert, Philipp Steinert (TU Chemnitz); Patrick Müller (N+P Informationssysteme GmbH)..... 126

2. A Numerical Investigation of the Inter-layer Bond and Surface Roughness During the Yield Stress Buildup in Wet-on-wet Material Extrusion Additive Manufacturing

Md. Tusher Mollah, Marcin P. Serdeczny, Raphaël Comminal, Berin Šeta, **Marco Brander**, David B. Pedersen, Jon Spangenberg (Technical University of Denmark)..... 131

3. Enhanced Build Plate Design for VAT-photopolymerization Additive Manufacturing

Anna H. Danielak, Alberto Basso, Christian Budden, Kenneth Weiss, Javier López, Gwendoline A. E. Anand, Marina Artemeva, David B. Pedersen (Technical University of Denmark)..... 135

Session 8

Machine Learning & Data Fusion

Wednesday, July 13, 2022

8:30 AM – 10:20 AM

Session Chairs: Ron Aman (EWI) and Seno Rekawa (Lawrence Berkeley National Laboratory)

1. Invited – Multi-sensor Measurement for In-situ Defect Identification in Metal Laser Powder Bed Fusion

Afaf Remani, Adam Thompson, Nicola Senin, Richard Leach (University of Nottingham); Richard Williams, Paul Hooper (Imperial College London); Arianna Rossi (University of Perugia); Fernando Peña (University of Oviedo); John Dardis, Nick Jones (Renishaw Plc) 141

2. Machine Learning Based Melt Pool Spattering Registration and Defect-correlation for LPBF Additive Manufacturing

Haolin Zhang, Chaitanya Krishna Prasad Vallabh, Xiayun Zhao (University of Pittsburgh Pittsburgh) 146

3. Improving Camera Calibration with Machine Learning for the Measurement of Additively Manufactured Parts

Joe Eastwood, George Gayton, Richard Leach, Samanta Piano (University of Nottingham) ... 152

4. Classification of PBF-LB Surfaces using Light Scattering and Machine Learning: Influence of Scattering Image Resolution on Classification Accuracy and Speed

Mingyu Liu, Nicola Senin, Richard Leach (University of Nottingham)..... 156

5. High Throughput Deep Learning-based X-ray CT Characterization for Process Optimization in Metal Additive Manufacturing

Amirkoushyar Ziabari, Singanallur Venkatakrishnan, **Ryan Dehoff**, Alex Plotkowski, Vincent Paquit (Oak Ridge National Lab) Alex Lisovich, Paul Brackman, Pradeep Bhattad (Carl Zeiss Industrial Metrology, LLC)..... 160

Session 9

Micro-Nano & Lattice Structures

Wednesday, July 13, 2022

1:30 PM – 2:30 PM

Session Chairs: Dirk Oberschmidt (Technische Universität Berlin) and John S. Taylor (University of North Carolina – Charlotte)

1. Investigation of the Contrast Limits of Hybrid Polymers in Two-photon Lithography Eugenia Bosler, Stefan Kühne, Marco Jagodzinski, Dirk Oberschmidt (Technische Universität Berlin)	165
2. Assessment of the Fatigue Performance of Titanium Lattice Structure Components Made by SLM AM Technology Ahmed Tawfiq, Paul Bills, Janine Downs, Liam Blunt (University of Huddersfield); Philip Sperling, Gerd Schwaderer, Philipp Sugg (Volume Graphics); S Tammas-Williams (University of Edinburgh).....	170
3. Part Scale Simulation of Heat Affected Zones for Parameter Optimization in a Microscale Selective Laser Sintering System Joshua Grose, Obehi G. Dibua, Aaron Liao, Francis Caruso, Michael A. Cullinan (The University of Texas at Austin); Chee S. Foong (NXP Semiconductors)	171

Session 10

Characterizing the Performance of AM Machines

Thursday, July 14, 2022

8:30 AM – 9:50 AM

Session Chairs: David Bue Pedersen (Technical University of Denmark) and Bradley Jared (University of Tennessee, Knoxville)

1. Measurement of Laser Focal Plane Error in Laser Powder Bed Fusion Systems Jaime Berez, Elliott Jost, Enea Dushaj, Chris Saldaña (Georgia Institute of Technology)	175
2. Chamber Heat Calibration by Emissivity Measurements in an Open Source SLS System Christian L. Budden, Kenneth AE. Meinert, Aakil R. Lalwani, David B. Pedersen (Technical University of Denmark).....	180
3. Novel Pin-hold Analyzer for Characterizing Laser Beam Quality Across the Build Environment in L-PBF Ronald Aman, Ajay Krishnan, Arushi Dhakad, Jake Hay (EWI).....	186

Session 11

In-Process Metrology

Thursday, July 14, 2022

10:20 AM – 12:20 PM

Session Chairs: Paul Hooper (Imperial College) and Michael Kirka (Oak Ridge National Laboratory)

1. A Data-driven Dynamics Model for Defect Detection in Laser Powder Bed Fusion Sebastian Larsen, Paul A. Hooper (Imperial College London)	188
2. In-situ Monitoring of Laser-powder-bed-fusion using IR and NIR Emissions to Detect Thermal Anomalies Matthew A. Roach, Bennett Fowler, Bradley H. Jared (University of Tennessee, Knoxville); Darshan Thakkar, Charles Babbitt, Shuchi Khurana (Addiguru USA).....	192
3. Use of Electron Imaging for In-situ Process Monitoring of Electron Beam Powder Bed Fusion Christopher Ledford, Michael Sprayberry, Michael Kirka (Oak Ridge National Laboratory); Timothy Horn (North Carolina State University)	197
4. In-Situ Monitoring of Laser Powder Bed Fusion Using Optical Camera for Detection of Process Anomalies Charles Babbitt, Darshan Thakkar, Shuchi Khurana (Addiguru); Bradley H. Jared, Devon Goodspeed, Matthew A. Roach (University of Tennessee, Knoxville).....	198

5. **Detection Theory and the Comparison and Evaluation of In-situ Monitoring Systems in Laser Powder Bed Fusion**
 Henry C. de Winton, Richard J. Williams **Paul A. Hooper** (Imperial College London) 202
6. **Radiometric Sensing for Digital Glass Forming**
 Nicholas E Capps, Robert G. Landers, **Edward C. Kinzel** (University of Notre Dame); Douglas Meredith, Alexander Rose, Andre Bos, John D. Bernardin (Los Alamos National Laboratory); Douglas A. Bristow (Missouri University of Science and Technology)..... 204

Session 12

Topography Characterization & Metrology

Thursday, July 14, 2022

1:30 PM – 2:30 PM

Session Chairs: John S. Taylor (University of North Carolina – Charlotte) and Xiayun Zhao (University of Pittsburgh)

1. Invited – **Segmentation and Characterization of Surface Features to Aid Computational Modelling of Nickel Superalloy 625 As-built Laser Powder Bed Fusion Parts**
Jason C. Fox (National Institute of Standards and Technology); Christopher J. Evans (University of North Carolina at Charlotte)..... 206
2. **3D Surface Texture Characterisation Techniques for Additive Manufacturing Components**
Shan Lou, Wenhan Zeng, Paul J. Scott, Xiangqian Jane Jiang (University of Huddersfield).... 212
3. **Weld Track Distortion in Laser Powder Bed Fusion of Nickel Superalloy 625**
Jason C. Fox (National Institute of Standards and Technology); Christopher J. Evans, Aarush Sood, Brigid Mullany, Angela Allen, Edward P. Morse (University of North Carolina at Charlotte); Romaine Isaacs (Carl Zeiss Industrial Metrology LLC) 217

Session 13

CT to Characterize Inner and Outer Features

Thursday, July 14, 2022

2:45 PM – 3:45 PM

Session Chairs: Shan Lou (University of Huddersfield) and Adam Thompson (University of Nottingham)

1. **Investigate Geometry and Surface Texture of Selective Laser Melting Built Internal Channels with Varying Inclination Angles Using XCT**
 Weidong Liu, Shubhavardhan R. Narasimharaju, Huodao Huang, Wenhan Zeng, Paul J. Scott, Xiangqian Jiang, **Shan Lou** (University of Huddersfield) 223
2. **Image Quality Metrics for Similarity Assessment in the XCT Measurement of Lattice Structures**
Maxwell R. Praniewicz, Jason C. Fox (National Institute of Standards and Technology)..... 229
3. **Characterization of Laser Powder Bed and Laser Wire Directed Energy Deposited AM Samples with X-ray CT**
Paul Brackman, Curtis Frederick, Pradeep Bhattad (Carl Zeiss Industrial Metrology LLC), Joshua Penney, Bradley H. Jared (University of Tennessee, Knoxville) 236

Session 14

Integration of AM into a Holistic Manufacturing Process

Thursday, July 14, 2022

4:15 PM – 5:35 PM

Session Chairs: Doug Bristow (Missouri University of Science & Technology) and Bradley Jared (University of Tennessee, Knoxville)

- 1. End to End Additive Manufacturing for a Structural Aerospace Component**
Michiel Vlaeyen, Mirko Sinico, Ann Witvrouw, Wim Dewulf (KU Leuven); Serkan Yildiz (BMT Additive International N.V.); Fernando Gallego-Bordallo (Siemens Digital Industries Software); Carlos Furtado (Asco Industries N.V.) 241
- 2. CAD-to-Scan Planning for Hybrid Manufacturing**
Tiffany Quigley, Joshua Penney, Devon Goodspeed, Aaron Cornelius, William Hamel, Tony Schmitz, Bradley Jared (University of Tennessee, Knoxville)..... 247
- 3. Additive Manufacturing of Strain Wave Gears in 17-4 PH Stainless Steel**
Satyanarayana Konala, Ian Crawford, Ola Harrysson (North Carolina State University); Moritz Stolpe, Peter Czer (Amorphology, Inc.) 251
- 4. Invar Mold Manufacturing by Additive + Metrology + Machining**
Aaron W. Cornelius, Jake F. Dvorak, William R. Hamel, Bradley H. Jared, Tony L. Schmitz (University of Tennessee, Knoxville)..... 255