

# Powder Flow Seminar

3<sup>rd</sup> October 2018

Location - LPW Technology, 110 South Campus Drive, Imperial, PA 15126

## AGENDA

- |                   |   |
|-------------------|---|
| 10.00am - 10.15am | Registration (Tea & Coffee)   |
| 10.15am - 10.30am | Welcome & Introduction  |
| 10.30am - 11.15am | Measuring and Understanding Powder Flow and Powder Behavior<br><i>John Yin, Product Manager, Freeman Technology</i>   |
| 11.15am - 12.15pm | <b>Guest Speaker</b><br>Binder Jet 3D Printing: Materials, Properties and Applications<br><i>Andrew Klein, Manager - Material &amp; Process Development, ExOne</i>  |
| 12.15pm - 1.00pm  | Lunch (complimentary)   |
| 1.00pm - 1.45pm   | Increasing the Life Span of IN718 in Powder Bed Fusion Additive Manufacturing<br><i>Nate Kistler, Application Engineer, LPW Technology USA</i>  |
| 1.45pm - 2.30pm   | <b>Guest Speaker</b><br>On the Development of Powder Spreadability Metrics and Feedstock Requirements for Powder Bed Fusion Additive Manufacturing<br><i>Zack Snow, PhD Student, Applied Research Laboratory, Pennsylvania State University</i> |
| 2.30pm - 3.00pm   | <b>Guest Speaker</b><br>Supporting AM industrialization with Powder Expertise and Workforce Education<br><i>John E. Barnes, The Barnes Group Advisors</i>   |
| 3.00pm - 3.15pm   | Coffee Break  |
| 3.15pm - 4.00pm   | FT4 Powder Rheometer Demonstration & LPW Facility Tour  |
| 4.00pm - 4.05pm   | Closing Remarks   |

[CLICK HERE TO REGISTER](#)

## CONTRIBUTORS

**freemant***technology*

a  **micromeritics**® company

Freeman Technology, a Micromeritics company, specializes in systems for measuring the flow properties of powders and has over 15 years' experience in powder flow and powder characterization.

The company invests significantly in R&D and applications development, and provides comprehensive support alongside its range of products. Expert teams guide and support users around the world in addressing their individual powder challenges, focusing on delivering the most relevant information for the process.

The result is world-leading solutions that underpin process and product understanding, accelerate R&D and formulation towards successful commercialization, and support the long term optimization of powder processes.

[www.powderflow.com](http://www.powderflow.com)



Established in 2007, LPW Technology is the market leader in the manufacture, development and processing of high-quality metal powders for additive manufacturing, and provides a comprehensive range of solutions and services for the AM industry. These include the development of new alloys and expert application support, and innovative end-to-end solutions for AM.

LPW's PowderRange is a series of fully optimized, off-the-shelf powders for AM, supplied to quality management standards AS 9120, AS 9100, ISO 9001 and ISO 13485, and dispatched within 24 hours of receipt of order. Every PowderRange powder is shipped with a test certificate, adding assurance that the consistency and specification have been checked and confirmed in LPW's laboratories.

PowderLife™ is LPW's AM suite of powders, products and solutions designed to support AM in production. AM metal powders are tailored to individual customer specifications with hardware and software solutions to deliver material traceability and control through repeated builds.

[www.lpwtechnology.com](http://www.lpwtechnology.com)

### Seminar Location

LPW Technology Facility  
110 South Campus Drive  
Imperial  
PA 15126  
USA

The seminar is free to attend.