### Registration Hours
- **Monday, May 8**: 7:00 AM - 4:30 PM
- **Tuesday, May 9**: 7:00 AM - 5:00 PM
- **Wednesday, May 10**: 7:00 AM - 5:00 PM
- **Thursday, May 11**: 7:00 AM - 1:00 PM

### Exhibit Hours
- **Tuesday, May 9**: 10:00 AM - 6:00 PM
- **Wednesday, May 10**: 10:00 AM - 6:00 PM
- **Thursday, May 11**: 10:00 AM - 2:00 PM

---

<table>
<thead>
<tr>
<th>Monday, May 8</th>
<th>7:00 AM - 4:30 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>Kickoff</td>
<td>1:30 PM - 5:00 PM</td>
</tr>
<tr>
<td>Spirit of Pittsburgh Ballroom</td>
<td></td>
</tr>
</tbody>
</table>

### All morning programming runs concurrently
- Choose Only One
- **8:00 AM - 1:00 PM Workshops and Review Course**

### Keynote
- **Networked Matter and the Nature of Things**
  - Mikey McManus, Chairman, MAYA and Research Fellow Office of CTO/Future of Learning, Autodesk

### Awards
- **SME Additive Manufacturing Community Awards**
  - Dick Austin Distinguished Paper Award: John L. Wilson, 3D Systems
  - Direct Digital Competition Award: Matt Mitrovic, Boeing
  - Industry Achievement Award: Bob Beam, EOS

### Panels
- **Transformation of Manufacturing**
  - Vyomesh Joshi, President & Chief Executive Officer, 3D Systems; Stephen Aigner, President, 3D Printing, HP; Mike Morin, Additive Technologies Leader, GE Aviation; Fred Vanzo, Founder & CEO, Materialise

### Technical Sessions
- **Additive Manufacturing with Metals & Its Impact on Plastic Injection Molding**
  - Matthew C. Crandall, Food & Drug Administration
  - Kim Torner, 3D Systems
  - Janelle Schrot & Jenny Jones, Materialise
  - Gilbert Croes, Johnson & Johnson
  - Adam Jakus, Northwestern University

- **Fundamentals of Additive Manufacturing**
  - Graham Tromans, GP Tromans Associates

- **Casting Processes and Materials**
  - Zayna Connor PhD, American Foundry Society
  - Phil Campbell, Carnegie Mellon University
  - Prashant Kumar, University of Pittsburgh
  - Alan Amberg, Carnegie Mellon University
  - Ken Church, RioGrity

- **Bioprinting Fundamentals**
  - Roger Narayan, UNC/NCSU Joint Department of Biomedical Engineering
  - Phil Campbell, Carnegie Mellon University
  - Prashant Kumar, University of Pittsburgh
  - Ken Church, RioGrity

- **State of America Makes**
  - Rob Graham, Director of Operations, Autodesk

- **Realizing Value with Additive Manufacturing**
  - Dr. B. W. K. Pillmore, MD
  - Jack H. Soifer, M.D., MS
  - Dr. D. J. Frame, M.D.
  - Dr. J. P. Price, M.D.

- **Fundamentals of 3D Scanning and 3D Modeling**
  - Giles Geisler, Wenzel America Ltd

- **Additive Manufacturing Technologies**
  - Frank Medina PhD, EWI

- **Metal Part Fabrication Using Additive Manufacturing**
  - Mark Golseon, Jim Joyce
  - Matt Golseon, Jim Joyce

- **Additive Manufacturing Certification Review Course**
  - Room 334

---

### More Details
- **May 8 - 11, 2017  |  David L. Lawrence Convention Center  |  Pittsburgh, Pennsylvania USA**

---

**May 8 - 11, 2017 | David L. Lawrence Convention Center | Pittsburgh, Pennsylvania USA**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Concurrent AM Sessions</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Show Floor</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Show Floor</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Art of 3D Printing and Intellectual Property (Novice)</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Low Cost and Equipment Methods to Create Flexible Anatomical Models (Novice)</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Development of Cost-Effective Prostheses for Medical Training (Novice)</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Concurrent AM Sessions</td>
</tr>
</tbody>
</table>

**3D Printing and Intellectual Property (Novice)**
- Joseph P. Higgins
- Paul A. Zwart
- Caterpillar Inc

**Low Cost and Equipment Methods to Create Flexible Anatomical Models (Novice)**
- Joseph P. Higgins
- Caterpillar Systems Inc

**Development of Cost-Effective Prostheses for Medical Training (Novice)**
- Joseph P. Higgins
- Caterpillar Systems Inc

---

**Tuesday, May 9 - morning**

8:00 AM - 9:45 AM: New Frontiers in Metal 3D Printing (PANEL)
9:00 AM - 2:00 PM: Tooling & SME Manufacturing Challenge (Student Summit)
12:30 PM - 1:30 PM: Incremental Manufacturing Products & Processes (Novice)
3:00 PM - 4:00 PM: Concurrent AM Sessions
4:15 PM - 5:15 PM: Concurrent AM Sessions
5:30 PM - 6:30 PM: Concurrent AM Sessions
6:30 PM - 8:30 PM: Concurrent AM Sessions
8:00 PM - 9:00 PM: Concurrent AM Sessions

---

**Friday, May 12 - morning**

7:00 AM - 9:00 AM: Registration
9:00 AM - 12:00 PM: Concurrent AM Sessions
1:00 PM - 2:00 PM: Concurrent AM Sessions
2:15 PM - 3:15 PM: Concurrent AM Sessions
3:30 PM - 4:30 PM: Concurrent AM Sessions
4:45 PM - 5:45 PM: Concurrent AM Sessions
6:00 PM - 7:00 PM: Concurrent AM Sessions
7:15 PM - 8:15 PM: Concurrent AM Sessions
8:30 PM - 9:30 PM: Concurrent AM Sessions
9:45 PM - 10:45 PM: Concurrent AM Sessions

---

**Thursday, May 11 - evening**

7:30 PM - 9:30 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Wednesday, May 10 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Monday, May 8 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Sunday, May 7 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Saturday, May 6 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Friday, May 5 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Thursday, May 4 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Wednesday, May 3 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Tuesday, May 2 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions

---

**Monday, May 1 - evening**

7:00 PM - 9:00 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
11:45 PM - 1:45 PM: Concurrent AM Sessions
1:45 PM - 3:45 PM: Concurrent AM Sessions
3:45 PM - 5:45 PM: Concurrent AM Sessions
5:45 PM - 7:45 PM: Concurrent AM Sessions
7:45 PM - 9:45 PM: Concurrent AM Sessions
9:45 PM - 11:45 PM: Concurrent AM Sessions
Tuesday, May 9 - afternoon

2:00 PM – 3:00 PM  Attendee Show Floor Tour: Metal Additive Manufacturing

3:30 PM – 5:00 PM  Technical Briefing: Fundamentals of Metal Additive Manufacturing

6:00 PM – 8:00 PM  Welcome Event: Heinz Field

As of 5/24/2017
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15 AM - 12:15 PM</td>
<td><strong>AM Sessions</strong></td>
</tr>
<tr>
<td>10:15 AM - 12:15 PM</td>
<td>Integrated Additive Manufacturing with mKAFES: Pushing 3D Printing into Industry for Full Functional Parts (Intermediate), Ramoney, University of Michigan</td>
</tr>
<tr>
<td>11:45 AM - 12:15 PM</td>
<td>Digital Printing of Large Aerospace Tooling (Novice), Jin Rou, University of Cincinnati</td>
</tr>
<tr>
<td>11:15 AM - 11:45 AM</td>
<td>Control of Solidification Microstructure Across Additive alloys (Systems), Gargi Pithadia, Carnegie Mellon University</td>
</tr>
<tr>
<td>1:00 PM - 3:00 PM</td>
<td><strong>PM Sessions</strong></td>
</tr>
<tr>
<td>1:00 PM - 3:00 PM</td>
<td>Developing Advanced Additive Manufacturing Processes (Intermediate), Ramoney, University of Michigan</td>
</tr>
<tr>
<td>1:15 PM - 1:45 PM</td>
<td>Effective Ways to Manage the Combinable Dual HeliArc Additive Manufacturing (Novice), Kyle Hunter, Aerojet Rocketdyne</td>
</tr>
<tr>
<td>1:45 PM - 2:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>2:15 PM - 2:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>2:45 PM - 3:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>3:15 PM - 3:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>3:45 PM - 4:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>4:15 PM - 4:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>4:45 PM - 5:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>5:15 PM - 5:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>5:45 PM - 6:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>6:15 PM - 6:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>6:45 PM - 7:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>7:15 PM - 7:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>7:45 PM - 8:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>8:15 PM - 8:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>8:45 PM - 9:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>9:15 PM - 9:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>9:45 PM - 10:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>10:15 PM - 10:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>10:45 PM - 11:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
<tr>
<td>11:15 PM - 11:45 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Philippe Riche &amp; Aaron Bormann, Sandia National Laboratories</td>
</tr>
<tr>
<td>11:45 PM - 12:15 PM</td>
<td>Additive Manufacturing of Polymeric Preforms and Ceramics (Intermediate), Andrew Hudson, Additive Manufacturing Technologies i.e. Printers, Stratasys, Inc.</td>
</tr>
</tbody>
</table>

**Note:** The schedule includes sessions on various aspects of additive manufacturing, including technical presentations, workshops, and networking opportunities. The topics range from full functional parts to digital data packages, control of solidification microstructure, and control of gelatin particle size. The sessions are designed to provide insights into the latest advancements in the field and to foster collaboration among researchers and practitioners.
Wednesday, May 10 - afternoon

1:30 PM - 6:00 PM  
Poster Session

2:00 PM - 3:00 PM  
Attendees Show Floor Tour: MM-New to Medical Applications

4:45 PM - 6:30 PM Show Floor Reception  
Design Studio Fashion Show  

4:45 PM - 6:30 PM  
Show Floor Reception  
Design Studio Fashion Show  

Show Floor Theater

Concurrent PM Sessions 2:15 PM - 4:15 PM

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kevin Hart</td>
<td>Boris Fritz</td>
<td>Sandra DeVincent Wall</td>
<td>Sheldon Kamara</td>
<td>Lance Hill</td>
<td>Pedro Gonzales</td>
<td>Carl Dekker</td>
<td>Roger Narayan</td>
</tr>
<tr>
<td>Room 303</td>
<td>Room 317/318</td>
<td>Room 306/305</td>
<td>Room 312/311</td>
<td>Room 301/302</td>
<td>Room 319/320/321</td>
<td>Room 319/316</td>
<td>Room 306/307</td>
</tr>
</tbody>
</table>

2:15 PM - 2:25 PM  
3D Printing: Breaking Barriers and Expanding Full Speed 
into Manufacturing (Intermediate)  
Roger Katalenski  
(Intermediate)

2:25 PM - 2:35 PM  
Development of New Metal Additive Manufacturing Concepts for Large Parts Manufacturing (Intermediate)  
Raj R. Coelho & Tagu-Fouad  
ACRA Metal Forming Solutions, S.A.

2:35 PM - 3:00 PM  
Magnesium Liquid Metal 3D Printing: Cutting the Costs Using a Drop-on-Demand Approach (Intermediate)  
Scott Völter  
Völder Systems LLC

2:30 PM - 2:40 PM  
Three-Dimensional Metal Printing by Thiolic Thiol-Based Paste Deposition (Intermediate)  
Michael R. Sullivan  
University at Buffalo  
The State University of New York

2:45 PM - 2:50 PM  
A Study on Removal of Additive Manufacturing Residue from Complex Parts  
Matthew D'Imima & James Cohn  
NSF Food and Drug Administration

2:50 PM - 3:10 PM  
A Computationally Efficient Algorithm for Precision Additive Manufacturing Using a Mesh-Simpson Multistep Method (Expert)  
Amin Doost  
University of Delaware

2:15 PM - 2:40 PM  
Empowering Additive Manufacturing Through ANDYS Tools (Intermediate)  
David Consorve  
ANDYS

2:45 PM - 3:10 PM  
Feature Based Fatigue Characterization for Powder Bed Fusion and Small Scale Proportion Components (Intermediate)  
Corinne Eastham  
US Air Force Research Laboratory

3:15 PM - 3:25 PM  
What the Next Generation of Hybrid CNCs Brings to Additive Manufacturing (Intermediate)  
Jason Jones  
Hybrid Manufacturing Technologies

3:25 PM - 4:00 PM  
Aerospace is Making a Future with Additive Manufacturing (Intermediate)  
John Barnes  
Aerocraft

3:00 PM - 3:10 PM  
Surface Metrology of Additive Manufacturing Components: Understanding the Complete Texture of Powder Bed-Based Surfaces (Intermediate)  
Agustin Diaz PhD  
REM Surface Engineering

3:45 PM - 4:10 PM  
A New Algorithm for Precision Additive Manufacturing: How to Predict Residual Stress Evolution in Parts During SLM (Expert)  
D.N. Simpson & C.W. Ho  
University of Wisconsin-Madison

3:30 PM - 3:40 PM  
Tailoring RFPs for Increased Strength Using Real 3D Printing (Intermediate)  
Natalie M. Rudolph Dr-Ing  
University of Wisconsin-Madison

3:45 PM - 4:10 PM  
Three-Dimensional Metal Printing by Thiolic Thiol-Based Paste Deposition (Intermediate)  
Michael R. Sullivan  
University at Buffalo  
The State University of New York

4:00 PM - 4:10 PM  
Gas Atomized Powder Synthesis Improvements for Additive Manufacturing (Expert)  
Iver E. Anderson PhD & Emmi M. White PhD  
Aerospace Laboratory of USOE

4:45 PM - 5:10 PM  
Aging Quality Control Process for FDM Parts (Intermediate)  
Tim Yewchuk  
3D Print Valorem

5:15 PM - 5:40 PM  
Influence of Processing Parameters on the Development of Microstructures and Texture in EB/Tig-64-V (Expert)  
Kevin J. Chuap PhD  
Air Force Research Laboratory

3:15 PM - 3:40 PM  
Evolution in Parts During SLM and Connectors (Expert)  
Zachary Larimore  
Vader Systems LLC

3:45 PM - 4:10 PM  
A Computationally Efficient Algorithm for Precision Additive Manufacturing Using a Mesh-Simpson Multistep Method (Expert)  
Amin Doost  
University of Delaware

4:25 PM - 4:50 PM  
Training the Workforce for Future Fabrication (Intermediate)  
Eric J. Foster PhD & Eric Barnes  
NIST/ASPE/RADMD

4:55 PM - 5:20 PM  
Creating an Affordable Aerospace Grade Aluminum Alloys via Computational Alloy Design Methods (Intermediate)  
Eric J. Foster PhD & Eric Barnes  
NIST/ASPE/RADMD

5:05 PM - 5:30 PM  
Influence of Processing Parameters on the Development of Microstructures and Texture in EB/Tig-64-V (Intermediate)  
Kevin J. Chuap PhD  
Air Force Research Laboratory

5:45 PM - 6:10 PM  
A Novel Algorithm for Precision Additive Manufacturing: How to Predict Residual Stress Evolution in Parts During SLM (Expert)  
D.N. Simpson & C.W. Ho  
University of Wisconsin-Madison
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM - 9:45 AM</td>
<td>So Where Do We Go From Here? Managing Director, Deloitte Services, LP</td>
</tr>
<tr>
<td>9:00 AM - 2:00 PM</td>
<td>Innovative Applications, Material Properties III, and Part/Product Certification, Strategic Power Up, Business &amp; Economic Considerations - M&amp;I Metals, Show Floor Theater</td>
</tr>
<tr>
<td>2:15 PM - 5:00 PM</td>
<td>Lunch on the Exhibit Floor</td>
</tr>
<tr>
<td>3:00 PM - 5:00 PM</td>
<td>M&amp;I Medical AWSW Workshop Meeting (Room: 327)</td>
</tr>
<tr>
<td>5:00 PM - 6:30 PM</td>
<td>M&amp;I Certification Exam (Room: 318)</td>
</tr>
</tbody>
</table>