

AM4IC Symposium Agenda

Tuesday, March 14th

- 8:00 a.m. **Opening Remarks**
Joseph E. Fritz, ICI
- 8:15 a.m. **Leaping Into The Future**
Donald Deptowicz, Advanced Programs
- 8:30 a.m. **KEYNOTE PRESENTATION**
Lessons Learned in 3D Printing
Batuhan Ak, Yamaha Marine Precision

Session I: Making Castings from Printed Patterns Moderated by Nip Singh

- 9:00 a.m. **Kovatch Castings & Additive Manufacturing**
Tom Planz, Tyler Planz, Kovatch Castings
- 9:30 a.m. **Designing for Automation & Foundry 4.0**
Josh O'Dell, University of Northern Iowa
- 10:00 a.m. **Avoiding the Two Largest Causes of Failure When Casting Printed Patterns**
Tom Mueller, Mueller Additive Mfg.
- 10:30 a.m. **Break / Networking**

Session II: Using AM in Non-Pattern IC Applications Moderated by Donald Deptowicz

- 10:45 a.m. **AM Shells**
Eric Ziemba, Aristo-Cast
- 11:15 a.m. **Dimensional Capabilities of AM**
Paul Finelt, Concurrent Resources LLC
- 11:45 a.m. **Collaboration for Progress**
Devon Parker, Kristopher Knyszek, Bescast, Inc.

12:15 p.m. **Lunch**

Session III: Setting Up AM in the Foundry Moderated by Mike Hascher

- 1:15 p.m. **Additive Manufacturing – The Simple Justification to Bring it in House**
Cliff Fischer (via MS Teams), SeaCast
- 1:45 p.m. **Developing an In-House Additive Manufacturing Department for the Investment Casting Industry**
Aaron Meyer, Wisconsin Precision
- 2:15 p.m. **Have a Little a Heart**
Jack Ziemba, Aristo-Cast
- 2:45 p.m. **Break / Networking**

Panel Discussion

- Moderated by Al Torok**
- 3:00 p.m. **All Day 1 Presenters**
- 4:00 p.m. **Wrap-up and Adjournment**

Wednesday, March 15th

- 8:00 a.m. **Opening Remarks**
Paul Finelt, Concurrent Resources LLC

- 8:15 a.m. **KEYNOTE PRESENTATION**
COL Ryan A. Howell, Ph.D

Session IV: Moving AM from Development to Production Moderated by Joseph Fritz & Paul Finelt

- 8:45 a.m. **The Perfect Storm**
Robert Johnson, Shellcast
- 9:15 a.m. **Using Additive in A Fully Integrated Approach To Investment Casting**
Ben Wynne, Intrepid Automation
- 9:45 a.m. **Break / Networking**
- 10:00 a.m. **Evolved Sea Sparrow Missile (ESSM) Block II Program**
Juan Molina & Issa Nassar, FS Precision Tech
- 10:30 a.m. **AM Equipment for Production Applications**
Mike Dougherty, Voxeljet

Panel Discussion

- Moderated by Tom Mueller**
- 11:00 a.m. **All Day 2 Presenters**
- 12:00 p.m. **Lunch**

Break Out Sessions (1:00 p.m. to 2:30 p.m.)

- Moderated by Don Deptowicz**
- Group I: Making Castings from Printed Patterns
 - Group II: Using AM in Non-Pattern IC Applications
 - Group III: Setting Up AM in the Foundry
 - Group IV: Moving AM from Development to Production

2:30 p.m. **Break / Networking**

Break Out Session Reports (2:45 p.m. to 4:00 p.m.)

- Moderated by Joseph Fritz**
- Group I: Tom Mueller
 - Group II: Don Deptowicz
 - Group III: Mike Hascher
 - Group IV: Paul Finelt

4:00 p.m. **Closing Remarks and Adjournment**