



Conference Will Be Held in Eastern Time Zone

TUESDAY, OCTOBER 13, 2020

11:00 a.m. - 11:30 a.m.	Russ Gallagher , <i>ICI Director</i> <i>BESCAST, Inc.</i>	Annual Awards Ceremonies Casting Contest Hall of Honor Innovator of the Year
11:30 a.m. – 12:15 a.m.	Dr. Leroy Chiao <i>Former NASA Astronaut &</i> <i>Space Station Commander</i>	Keynote Speech Endeavor to the Next Level
1:00 p.m. - 2:00 p.m.	Gavin Dooley <i>REMET, UK</i>	Paper No. 1 Fundamental Analysis into Properties Affecting Investment Casting Shell Strength
3:00 p.m. – 4:00 p.m.	Sander Klemp <i>Davis Alloys</i>	Paper No. 2 Hypoallergenic Surgical Cast Stainless Steel

WEDNESDAY, OCTOBER 14, 2020

11:00 a.m. – 12:00 p.m.	Iñaki Vicario <i>Consarc Engineering</i>	Paper No. 3 Vacuum Induction Melting Process Optimization In Precision Investment Casting Furnaces
1:00 p.m. – 2:00 p.m.	Dan Sokol <i>Renaissance Services</i> Shawn Franks <i>HTCI, Co.</i>	Paper No. 4 Rapid & Affordable Castings from 3D-Printed Ceramic Molds
3:00 p.m. – 4:00 p.m.	Dave Berta & Sam Duncan <i>Ransom & Randolph</i>	Paper No. 5 Slurry Analysis & Shell Material Testing Methods

THURSDAY, OCTOBER 15, 2020

11:00 a.m. – 12:00 p.m. **John Dyck**
CESMII

Paper No. 6
The Smart Manufacturing Institute

1:00 p.m. – 2:00 p.m. **Tom Mueller**
Mueller Additive Manufacturing Solutions

Paper No. 7
Evaluation of a Low-Cost Material Extrusion Printer for Investment Casting Applications

3:00 p.m. - 4:00 p.m. **Brian Lewis**
Foundry Education Foundation (FEF)
Mingzhi Xu
Georgia Southern University
Dr. Robert Voigt
Pennsylvania State University
Dr. Victor Okhuysen & Dika Handayani
Cal Poly Pomona University
Andrew Wessman
University of Arizona
Russ Rosmait
Pittsburg State University

Panel Discussion No. 1
Preparing our Future Engineers and Technologists

FRIDAY, OCTOBER 16, 2020

11:00 a.m. - 12:00 p.m. **Nip Singh, ICI Director**
S&A Consulting Group LLP
Joseph Fritz, Executive Director
Investment Casting Institute
Craig Lanham, Member Emeritus
Brian Ferg
Consolidated Precision Products
Tom Planz
Kovatch Castings, Inc.
Thad Nykiel
BESCAST, Inc.

Panel Discussion No. 2
Process Control Standards

1:00 p.m. – 2:00 p.m. **John Lea**
Geo 40

Paper No. 8
How It's Made: Colloidal Silica, a New Method

3:00 p.m. – 4:00 p.m. **John Slawvey**
Vestshell, Inc.

Paper No. 9
Life Cycle of our Ceramic Shells

MONDAY, OCTOBER 19, 2020

- 11:00 a.m. - 12:00 p.m. **Joseph Fritz**, *Executive Director*
Investment Casting Institute
Hiroshi Yokota, *Executive Director*
Japan Foundry Society
Carlos Olabe, *Executive Director*
European Investment Casting Foundation **Panel Discussion No. 3**
Market Insights
- 1:00 p.m. - 2:00 p.m. **Donald Deptowicz**
Aspen Hybrid Technology Solutions, LLC **Paper No. 10**
Industry Viable Strategic Tooling Enablers for MRB Elimination
- 3:00 p.m. – 4:00 p.m. **Amarnath Bhat**
SoftCAST Technologies
Stephen Barnett
INCAST Consultancy **Paper No. 11**
Casting Simulation: An Aid to Address Industry’s Covid-19 Challenges

TUESDAY, OCTOBER 20, 2020

- 11:00 a.m. - 12:00 p.m. **Julie Markee**, *ICI Director*
Key Process Innovations **Paper No. 12**
COVID-19 - the Catalyst to Enhanced Performance
- 1:00 p.m. - 2:00 p.m. **Dr. Suman Das**
DDM Systems **Paper No. 13**
Tool-less Digital Investment Casting Using 3D-printed “ready to pour” Ceramic Shells
- 3:00 p.m. – 4:00 p.m. **Dr. -Ing. Santhanu Jana**
ALTAIR Engineering GmbH **Paper No. 14**
Digital Twin Design Process for Development of Next Generation Lightweight Investment Casted Parts

WEDNESDAY, OCTOBER 21, 2020

- 11:00 a.m. - 12:00 p.m. **Ray Snider**
Siemens **Customer Spotlight No. 1**
Siemens Energy, Inc.
- 1:00 p.m. – 2:00 p.m. **Michael Fanz-Huster**
Inductotherm **Paper No. 15**
Advancements in Melt System Control Technology
- 3:00 p.m. - 4:00 p.m. **Steven Ashlock**
Kyanite Mining Corporation **Paper No. 16**
The Effect of Removing Dust from Backup Stuccos on Shell Properties

THURSDAY, OCTOBER 22, 2020

11:00 a.m. – 12:00 p.m. **Gerald Richard**
MAGMA Foundry Technologies

Paper No. 17
The Digital Foundry: Building on the processes of today to meet the demand of tomorrow

1:00 p.m. – 2:00 p.m. **Jiten Shah**
Product Development & Analysis (PDA)

Paper No. 18
Light-weighting using Advance Simulation and Tooling Free Investment Casting AM Process

3:00 p.m. – 4:00 p.m. **Robert Johnson**
Shellcast, Inc.
Steve Sikorski
MAGMA Foundry Technologies
Russ Rosmait
Pittsburg State University
Joseph Fritz
Investment Casting Institute

Panel Discussion No. 4
Educating The Customer

FRIDAY, OCTOBER 23, 2020

11:00 a.m. – 12:00 p.m. **Chad Beamer**
Quintus Technologies, LLC

Paper No. 19
The Effect of HIP and High Pressure Heat Treatment on The Investment Cast Super Alloys

1:00 p.m. – 2:00 p.m. **Gregory Colvin**
Honeywell Aerospace

Customer Spotlight No. 2
Honeywell Aerospace

3:00 p.m. **Investment Casting Institute**

Closing Ceremony and Parting Words