Conference Will Be Held in Eastern Time Zone

TUESDAY, OCTOBER 13, 2020

11:00 a.m. - 11:30 a.m.  
Tim Sullivan, ICI President  
Hitchiner Manufacturing  
Russ Gallagher, ICI Director  
BESCAST, Inc.  
Opening & Annual Awards Ceremonies  
Casting Contest  
Hall of Honor  
Innovator of the Year

11:30 a.m. – 12:15 p.m.  
Dr. Leroy Chiao  
Former NASA Astronaut &  
Space Station Commander  
Keynote Speech  
Endeavor to the Next Level

1:00 p.m. - 2:00 p.m.  
Gavin Dooley  
REMET, UK  
Paper No. 1  
Fundamental Analysis into Properties Affecting  
Investment Casting Shell Strength

3:00 p.m. – 4:00 p.m.  
Sander Klemp  
Davis Alloys  
Paper No. 2  
Hypoallergenic Surgical Cast Stainless Steel

WEDNESDAY, OCTOBER 14, 2020

11:00 a.m. – 12:00 p.m.  
Iñaki Vicario  
Consarc Engineering  
Paper No. 3  
Vacuum Induction Melting Process Optimization In  
Precision Investment Casting Furnaces

1:00 p.m. – 2:00 p.m.  
Dan Sokol  
Renaissance Services  
Shawn Franks  
HTCI, Co.  
Paper No. 4  
Rapid & Affordable Castings from 3D-Printed Ceramic  
Molds

3:00 p.m. – 4:00 p.m.  
Dave Berta &  
Sam Duncan  
Ransom & Randolph  
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*  
**Panel Discussion No. 1**  
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*

**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*  
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

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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. **Amar Nath 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**