

# Detailed Agenda



72nd Annual Technical  
Conference & Exhibition

**Pittsburgh:  
A Bridge to Technology**



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# ∟ Agenda, September 29

**8:00 a.m.** – Welcome Introduction: Ty Ueland, SeaCast, Inc., ICI President

**8:10 a.m.** – Annual General Meeting (North American ICI Members Only): Ty Ueland, SeaCast, Inc., ICI President; Business Review (North American ICI Members Only): Timothy C. Sullivan, Esq., ICI Executive Director

**8:40 a.m.** – Intern Scholarships: Russ Rosmait, Pittsburg State University

**9:00 a.m.** – Bridging the Knowledge Gap: AI-Powered Information Systems in Manufacturing: Aaron Phipps, MPI, Inc.; Patrick Byrne, Annora AI

**9:40 a.m.** – A New Approach to Evaluate Green Shell Strength Properties to Better Understand Shell Cracking: Austin Scheer, Ransom & Randolph

**10:15 a.m.** – **Coffee Break**

**10:30 a.m.** – Observations After Adopting CCS CrackAttack® Chemically Cured Refractory: Justin Neutra and Dylan Carpino, Hitchiner Manufacturing Co., Inc.

**11:10 a.m.** – Implementation of an Automated System for Slurry Viscosity and Density Measurement: Impact on Shell Quality and Labor Efficiency: Sunil Kumar, Rheonics GmbH; Abdul Kader and George Salomon, Nalco Water | An Ecolab Company; Brad DeSplinter, TPM

**11:50 a.m.** – **Lunch Break**

**12:50 p.m.** – University Casting Contest Awards: Erich Knoespel, Artcast, Inc.

**1:00 p.m.** – A Fundamental Analysis Into the Temperature of Investment Casting Slurries: Is it Important and How Can it Affect My Slurries?: Gavin Dooley, Remet UK, Ltd.

**1:40 p.m.** – Faster Drying Layers or Fewer Layers to Dry – Which Shell-Building Approach Is Best For My Process?: Azhar Juhari, Remet UK, Ltd.

**2:30 p.m. – 6:00 p.m.** – **Expo**



# ∟ Agenda, September 30

## **8:00 a.m. – Greeting**

**8:10 a.m.** – North American IC Market Update and World IC Market Update: Timothy C. Sullivan, Esq., ICI Executive Director

**8:40 a.m.** – Panel Discussion: Tariffs – Protecting Margins, Managing Costs and Planning: Andrew Stephany, Signicast; Kevin Joslyn, Procurement Professional

**9:20 a.m.** – Benchmarking Shell Recycling, Productivity Metrics, and Rising Practices in the North American Investment Casting Industry: Brian Began, AFS, Inc.

## **10:00 a.m. – Coffee Break**

**10:15 a.m.** – Superalloy Defect Characterization: Mark White, Impro Aerotek USA, Inc.

**10:45 a.m.** – Mitigating Investment Casting Distortion Through Counter-Distortion Techniques: Evan Letourneau, MAGMA Foundry Technologies; Kazuki Okamoto, Castem Technology Laboratories, Inc.

**11:20 a.m.** – Revert Cleanliness to Improve Cost Savings: Robert Cook, Cannon Muskegon

## **11:55 a.m. – Lunch Break**

**12:50 p.m.** – Superalloy Metallography Review to Empirically Reduce Scrap and Rework: Robert Cook, Cannon Muskegon

**1:20 p.m.** – Navigating the Automation Journey: Technical Considerations for Evaluating and Implementing Robotic Material Removal Systems: Patrick O’Neil, Acme Manufacturing

**1:55 p.m.** – Development of Silica-Based Photopolymer Materials for 3D Printing in Investment Casting Applications: Vincent Icart, Prodways; Ann Kutsch, Tethon 3D

**2:30 p.m. – 5:00 p.m. – Expo**

**6:00 p.m. – 8:00 p.m. – Evening Reception**



# ∟ Agenda, October 1

## **8:00 a.m. – Greeting**

**8:10 a.m.** – Enhancing Manufacturing Processes: Investment Casting Meets 3D Printing: Eric Yeung, Stratasys

**8:50 a.m.** – Advances in 3D Printed Patterns for Investment Casting: Parts from Pixels +: Steve Hartung, 3D Systems

**9:30 a.m.** – Panel Discussion: America Makes – AM Ceramic Shell Technology for Investment Casting: Paul Finelt, Concurrent Resources, LLC; Jim Hauska, Foundry Support Operations, LLC; Bob Johnson, Shellcast, Inc.

## **10:10 a.m. – Coffee Break**

**10:25 a.m.** – Potential Benefits of Printed Shells for Investment Casting: Tom Mueller, Mueller Additive Manufacturing Solutions

**11:05 a.m.** – How 3D-Printed Ceramic Molds Are Transforming Casting: Five Key Insights: Rick Pressley, Renaissance Services

**11:45 a.m.** – Awards Ceremony and Closing Remarks: Timothy C. Sullivan, Esq., ICI Executive Director

## **12:00 p.m. – Adjournment**

