



is proud to announce the
4th Ingot Casting, Rolling and Forging Conference

ICRF 2022

21–23 June

**Sheraton Pittsburgh Hotel at Station Square
Pittsburgh, Pa., USA**

Call for Papers

Authors are invited to submit abstracts for ICRF 2022 at [AIST.org/conference-expositions/icrf](https://www.aist.org/conference-expositions/icrf)

Call for abstracts opens
1 June 2021

Abstract deadline
1 September 2021

The subject matter should present new developments, methods or applications related to the topics listed in the Conference Scope.

Organizing Committee

- Calum Learn, Universal Stainless & Alloy Products Inc.
- Raymundo Ordonez, Ellwood Group Inc.
- Andy Pinskey, Holland Manufacturing Corp.
- Konstantin Redkin, WHEMCO Inc.
- Rich Smith, Carpenter Technology Corp.
- Thomas Wingens, WINGENS LLC — International Industry Consultancy

Conference Scope

The purpose of the 4th Ingot Casting Rolling Forging (ICRF 2022) Conference is to provide a forum for presentations on metallurgical and technological developments for ingot casting and processing, with areas of interest ranging from vacuum and remelt processing, through casting and refractories, forging and rolling, to heat treating and quality evaluation. Additional topics include modeling, which has seen widespread application to all areas of development and production, as well as the rise of digitalization/Industry 4.0, which has started to transform the industry.

Who Should Attend

This conference is aimed at metallurgists, engineers, and operators from producers and suppliers involved in ferrous and non-ferrous operations, research and development, as well as professors, students, and researchers at universities and institutes.

Conference Topics

- Metallurgy of Ingot Casting
- Ingots and Molds
- Refractory Technology
- Ingot Casting Systems
- Additives for Ingot Casting (e.g., Fluxes, Alloys, Inoculants)
- Materials Development
- Remelting (e.g., VAR, ESR) and Vacuum Processing Technologies
- Hot and Cold Rolling
- Forging of Ingots
- Reheating and Thermal Processing of Ingots and Products (e.g., Microstructure Development, H Removal, Residual Stress)
- Furnace Controls, Service and Maintenance
- Ingot and Product Quality Assurance
- Failure Analysis and Prevention
- Modeling, Verification and Validation
- Management of Production Scheduling and Logistics
- Digital Transformation and Industry 4.0 (e.g., Automation, Artificial Intelligence, Machine Learning)
- Sustainability, Energy Efficiency and Emissions Control
- Safety



4th International Conference

[AIST.org/ICRF](https://www.aist.org/ICRF)