



ADVANCING THE TECHNICAL DEVELOPMENT, PRODUCTION, PROCESSING AND APPLICATION OF IRON AND STEEL

AIST Fall Meeting Notice / Agenda Energy & Utilities Technology Committee

Date: Tuesday 16 to Wednesday-17-September-2025

Location: Lemont, IL

Arrangements

Crowne Plaza Chicago SW Burr Ridge, 300 S Frontage Road, Burr Ridge, IL 60527

Reserve at the Argonne National Lab discounted rate by visiting the [booking link](#)

Note, there is a separate security clearance step necessary for completion 30-days prior to the visit, with details provided during the AIST meeting registration procedure

AIST technology committee members are asked to print out the latest revised meeting agenda from our website one week prior to this meeting.

Attire notes: When inviting visitors into laboratory spaces, Argonne strives to keep everyone safe by enforcing attire guidelines. Bare legs are prohibited, closed-toe, flat or block-heel shoes are required, and shirts must cover the back and shoulders (minimum ¼ length sleeves). In some labs, visitors must wear safety glasses provided by the laboratory (or bring their own).

Tuesday 16-September-2025

**Day #1, Carpooling to this address is recommended: 9700 South Cass Avenue
Lemont, IL 60439**

Arrival | Obtain Gate Passes

<8:30 - 9:00 am CDT>

Location: Building 224, Argonne Welcome Center

Identity verification & gate passes issued; Marcia Rogers will escort to Building 203/ D120

1. Chair's opening remarks – *John Hill*

<9:00 am CDT>

2. Appoint minute-taker

3. Antitrust guidelines

4. Membership and attendance

5. Review minutes of previous meeting

6. AIST Staff Announcements

7. Steel Industry Fatalities

BREAK

<10:30 am CDT>

8. Main agenda items

- **AISTech session development – *Anup Sane, Armin Silaen***

- **Selection of Abstracts (Due by 16 Sept) – (Handle via conference call if necessary)**

Association for Iron & Steel Technology

186 Thorn Hill Road, Warrendale, PA 15086-7528 USA

Phone +1.724.814.3000 • Fax +1.724.814.3001 • www.aist.org



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- *Determine session structure (Due by 28 Oct) including session titles & session chairs*
- *Review Papers Chair and Session Chair instructions*
- *Finalize AISTech call for papers for 2027-year, the current [PROGRAM TOPIC reads](#) “♦ ENERGY & UTILITIES Energy efficiency in the use of combustion and purchased utilities; practical application and innovative uses of byproduct gases, reducing carbon footprint and greenhouse gas emissions, (low-carbon energy sources, renewable energy, carbon capture, carbon storage and decarbonization), water usage and reduction, steam, industrial gases, compressed air, electricity, lighting, heat recovery systems, boilers/furnaces, and power generation.”*
- *Energy Achievement Award – Ben Myer, Josh Davich*
- *Technology Training conference – Tina Wolff*
 - Energy Reduction in the Steel Industry – A Practical Training Seminar
 - Location: Cleveland, OH
 - Date: Fall 2026
 - Tour: Rockwell-Cleveland

LUNCH, with Argonne Overview

<Noon>

9. Discussion items

Life Cycle Analysis – GREET

<12:20 pm – 1:00 pm CDT>

Location: Building 203/D120

[Michael Wang](#), Department Director, LCA and Technology Assessment, Energy Systems and Infrastructure Assessment (ESIA)

CO2 Capture and Conversion

<1:00 pm – 1:30 pm CDT>

Location: Building 203/D120

[Meltem Urgun Demirtas](#), Department Director, Resource Recovery and Separations, Applied Materials Division (AMD)

Critical Materials Recovery

<1:30 pm – 2:00 pm CDT>

Location: Building 203/D120

[Albert Lipson](#), Group Leader, Separations and Bioprocessing, AMD

[Meltem Urgun Demirtas](#), Department Director, Resource Recovery and Separations, AMD

Modeling (burners et al)

<2:00 pm – 2:30 pm CDT>

Location: Building 203/D120

[Riccardo Scarcelli](#), Group Leader – Multi-Physics Engine Computations, Transportation and Power Systems (TAPS)

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BREAK

<2:30 pm CDT>

Metals Research

<2:45 pm – 3:15 pm CDT>

(concept and early data for using electricity for iron production)

Location: Building 203/D120

[John Hryn](#), Group Leader, Emergent Materials and Processes, AMD

[Michael Dziekan](#), Materials Engineer, AMD

[Matt Earlam](#), Materials Process Engineer, AMD

Carrie Siu, Materials Scientist, AMD

[Kelly Cohen](#), Postdoctoral Appointee, AMD

C- STEEL | ARPA-E Rosie

<3:15 pm – 3:45 pm CDT>

Location: Building 203/D120

[Brian Ingram](#), Group Leader, Materials Scientist, Chemical Sciences and Engineering (CSE)

Material Flow Analysis and Technology Roadmapping **<3:45 pm – 4:15 pm CDT>**

Location: Building 203/D120

[Sarang Supekar](#), Senior Systems Scientist and Industrial Technologies Team Lead, ESIA

Yongxian Zhu, Energy Scientist, ESIA

10. Next meeting. TBD

11. Chair conclusion

12. Adjourn

<4:30 pm CDT>

Wednesday 17-September-2025

Day #2 Tour, Argonne National Labs

Arrival | Obtain Gate Passes

Location: Building 224, Argonne Welcome Center

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Lemont, IL 60439***

<8:30 - 9:00 am CDT>

Required PPE includes Bare legs are prohibited, closed-toe, flat or block-heel shoes are required, and shirts must cover the back and shoulders (minimum ¼ length sleeves). In some labs, visitors must wear safety glasses provided by the laboratory (or bring their own).

Tour Route, with tour bus provided

Materials Engineering Research Facility Tour ([MERF](#))

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Location: Building 370 – MERF	<9:00 - 9:25 am CDT>
Travel to Building 440	<9:25 - 9:35 am CDT>
Advance Photon Source (APS) Tour Location: Building 440	<9:35 - 10:00 am CDT>
Travel to Building 240	<10:00 - 10:10 am CDT>
Aurora Exascale Supercomputer Tour Location: Building 240	<10:10 - 10:35 am CDT>
Travel to Building 208	<10:35 - 10:45 am CDT>
Nuclear Energy Exhibition Hall Location Building: 208/1st Floor	<10:45 - 11:15 am CDT>
Travel to Building 203	<11:15 - 11:45 am CDT>
Wrap up Discussion Location: Building 203/D120	<11:45 – NOON CDT>
<i>Departure</i>	<i><NOON CDT></i>



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Antitrust Compliance

Antitrust law prohibits agreements or understandings between two or more individuals or businesses to regulate prices or quantities of goods and services, to allocate customers or territories, to hinder or limit a competitor or potential competitor's operations, or otherwise unreasonably restrain business activity. Discriminatory pricing or servicing is also prohibited.

Every individual who participates in AIST meetings and activities should follow these guidelines:

- DON'T discuss with other members your own or competitors' prices, pricing procedures, or anything that might affect prices such as costs, discounts, terms of sale, or profit margins, or anticipated wage rates.
- DON'T make announcements or statements about your own prices or those of competitors.
- DON'T talk about what individual companies plan to do in particular markets or with particular customers.
- DON'T disclose to others any competitively sensitive information.
- DON'T propose or agree to any action intended to disadvantage or injure another company.
- DON'T stay at a meeting or activity where any such anti-competitive talk occurs.
- DO have an AIST staff person present at any meetings and insist on the agenda being followed and minutes kept.
- DO confer with AIST staff before making any statement with competitive ramifications.

It is incumbent upon all AIST members to adhere to these guidelines to avoid putting all parties and their respective companies at risk for antitrust law violation.

Anti-Harassment Policy

The Association for Iron and Steel Technology (AIST) is dedicated to providing harassment-free events for everyone, regardless of age, race, religion, disability, gender, gender identity or sexual orientation. We do not tolerate harassment in any form of anyone attending an AIST event.

Harassing behaviors include: offensive verbal comments related to age, race, religion, disability, gender, gender identity or sexual orientation; the use or display of sexual images, activities or commentary in public spaces; deliberate intimidation; stalking or following; harassing photography or recording; sustained disruption of events; or inappropriate physical contact.

Participants asked to stop any harassing behavior are expected to comply immediately. Participants violating this policy may be sanctioned or expelled from the event or the membership at the discretion of the AIST leadership.