



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

## **AIST Fall Joint Meeting Notice / Agenda Ironmaking and Energy & Utilities Technology Committee**

**Date: 26 September 2024**

**Location: Burlington, Ontario CANADA**

**Tour: Stelco, Blast Furnace, Pig caster, Wergen and Boiler upgrade**

### ***Arrangements***

**Holiday Inn Burlington Hotel & Conference Centre**

3063 South Service Road

Burlington, Ontario L7N 3D9

**Reserve by 6 September** for AIST Room Rate of \$147 CAD

For reservations, call 905-639-4443 or book [online](#) (ask for AIST; Group Code "IME")

### **Thursday 26 September 2024**

1. *Chairs-opening remarks—John Hill and Brian Black* 8 a.m.
2. *Appoint minute-taker*
3. *Antitrust guidelines*
4. *Membership and attendance*
  - a. IMTC—
  - b. EUTC—
5. *Review minutes of previous meeting*
  - a. IMTC—[6 May • Columbus, OH](#)
  - b. EUTC—[8 May • Columbus, OH](#)
6. *AIST Staff Announcements—Charlie Bender*
7. *Safety Discussion and review of Steel Industry Fatalities*
8. *Main agenda items*
  - *AISTech session development—Jesse Carreau, Husain Tapia, Russ Chapman*
    - *Selection of Abstracts (Due by 16 Sept)*
    - *Determine session structure (Due by 28 Oct) including session titles & session chairs*
    - *Review Papers Chair and Session Chair instructions*
    - *Solicit volunteers for Session Chairs*
      - IMTC—
      - EUTC—
  - *Finalize AISTech call for papers for 2026 (next year)*
    - *IMTC—Blast furnace operations including startup & shutdown; campaign extension; furnace relines/rebuilds; environmental programs in ironmaking; maintenance programs for ensuring reliability; hearth and taphole design; monitoring and maintenance; blast furnace stoves, stove refractory and safe stove operation; ironmaking raw materials; waste oxides recycling; hydrogen-based ironmaking; blast furnace refractory*

**Association for Iron & Steel Technology**

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*and cooling systems; ironmaking equipment design and improvement including injection; ironmaking control and modeling. **Incorporate decarbonization; an open discussion item to add any new topics for the changing landscape***

- *EUTC— “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.”*
- *Technology committee award planning—John Hill*
  - *EUTC—[Energy Achievement Award](#)*
  - *IMTC—[Josef S. Kapitan Award](#), [Thomas L. Joseph Award](#), [J.E Johnson Award](#)*
- *Finalize committee roundup—Stuart Street*
  - *IMTC Blast Furnace Roundup due Feb 12, 2025, for publication in the April Issue of IS&T*
- *Technology Training conference—Tina Wolff, Larry Fabina*
  - *Review of Energy Reduction Fundamentals in the Steel Industry—Nashville, TN 12-14 March 2024*
  - *Review planning of Thermal Combustion seminar March 2025*
- *Study Tour planning Ironmaking*
- *Liaison Reports (Digital and Decarbonization)*

### **BREAK**

10 a.m.

- *“Decarbonization Pathway [IMTC] Initiative” an Update & Discussion from IMTC Subcommittee work on identifying two branches of the pathway and highlighting progress made—Joe Morey & Brian Black*

### **LUNCH**

11:30 a.m.

#### **9. Discussion items and *Joint Presentations***

- a. De-carbonization look forward at Stelco – High level overview
- b. Safety at Stelco by Debasish Kakoty-Stelco
  - i. Technology Based Safety Projects”
  - ii. “New Safety Training Programs”
- c. “Carbon Capture, Past, Present and Future with gas cleaning by Mark Puett-Elessent Clean Technologies
- d. “Large Scale Hydrogen Production and Distribution” by Air Products
- e. Roundtable discussion “Energy Use, Reuse and Efficiency”, David Marshall moderator

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### **10. Next meeting**

IMTC—February 2025 with Eastern States Blast Furnace and Coke Oven Association meeting Pittsburgh, PA

EUTC—T.B.D. combined with Thermal Combustion seminar March 2025

### **11. Chair conclusion**

### **12. Adjourn**

*Northern Chapter Reception*

*Please register separately for the chapter dinner*

*4 p.m.*

*5:30 p.m.*

### **Friday 27 September 2024**

Tour of Stelco Lake Erie Works

Address: 2330 Regional Road #3

Nanticoke ON Canada N0A 1L0

Meet at hotel lobby 8am to carpool with roughly 1hr to tour site

Carpooling is encouraged (30 maximum tour attendees)

*9:00 am arrival*

Safety Video and guest registration

Participants: Bringing your own safety boots and/or other PPEs are highly encouraged. Note: when leaving the designated walkways, Class 2+ high visibility apparel and approved safety boots with metatarsals are required. **See AIST for a complete list of STELCO-approved PPE.**

Suggested: Long-sleeved shirts, long pants, eye and hearing protection, gloves and footwear. Suggested Footwear: Closed toe, no sandals. Heels should be full width flat soled. Stelco-LEW will provide PPE for those who aren't able to travel with their own equipment.

Tour will include:

1. Blast Furnace
2. Pig caster
3. Wergen
4. CPS Building (Boiler upgrade)

*Adjourn*

*Noon*

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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.