



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

AIST Fall Meeting Notice / Agenda Electrical & Digitalization Applications Technology Committee

**Date: Monday 16 September 2024
Location: Cleveland, OH**

Arrangements

The Westin Cleveland Downtown

777 St Clair Ave NE, Cleveland, OH 44114

Reserve by 23 August for AIST Room Rate of \$199

For reservations, book [online](#)

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

1. *Chair's opening remarks – Bryan Beard and Hiranya Pathak* <1:00 p.m.>
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*
8. *Main agenda items*
 - *AISTech session development – David Kober & Andy Wojc*
 - *Selection of Abstracts (Due by 16 Sept) – (Handle via conference call if necessary)*
 - *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 next year*

- **◆ ELECTRICAL APPLICATIONS**

Design, application, and/or engineering of power quality and distribution; AC/DC motor/drive technology; HMI systems; open architectural systems and other networks; electrical maintenance and electrical safety applications; and electrical upgrades/retrofits. Application of sensors for process control; efficiency and cost-effective solutions; on-line and off-line shape and flatness measurement; mechanical properties testing; automated surface inspection; oil thickness measurement; surface cleanliness; soft sensors (i.e., modeling of a variable that cannot be measured directly); and other unique sensors that provide new and innovative uses to the primary and finishing sides of the steelmaking process.

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Association for Iron & Steel Technology

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- **◆ COMPUTER APPLICATIONS /DIGITALIZATION APPLICATIONS**

Relevant topics include digitalization technologies in addition to traditional computer applications. Digitalization technologies include applications of artificial intelligence, machine learning and advanced analytics, the use of digital twins, big data, cloud computing, augmented or virtual reality, the Industrial Internet of Things (IIoT), and other applications of digitalization technologies that advance or transform iron and steel processes. Traditional computer applications include existing, new, and emerging uses of computers to control, monitor and interface steel manufacturing and processing; evolution of industrial control systems — hierarchies and mobile interfaces; modern control system technologies driving a safer workplace; the application of advanced process modeling and control; the impact of human factors and safety in process control (such as users, engineers and support personnel); manufacturing execution systems and business systems; network/wireless communications; automation planning and software development methodologies; database, data warehousing, data mining systems and predictive analytics; remediation of legacy automation systems; and cybersecurity for industrial control systems.

- ***Technology committee award planning – Best Paper Awards***
- ***Finalize committee roundup (if applicable)***
- ***Technology Training conference – David Kober***
- ***Study Tour planning (if applicable)***
- **Webinars** Visit: <https://www.aist.org/conference-expositions/webinars>

9. Discussion items

- a. Brief on Decarbonization from the committee liaison.
- b. Young Professional brief
- c. Update on the Digital Transformation Forum.

10. Next meeting

11. Chair conclusion - Bryan Beard and Hiranya Pathak

12. Adjourn

<4:00 p.m.>

Registration Open 4-6 p.m.



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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.