AIST Fall Meeting Notice / Agenda
Metallurgy—Steelmaking & Casting and Computer Applications Technology Committees

Date: 9-11 October 2019
Location: Livermore, CA
Tour: Lawrence Livermore National Laboratory

Hotel Arrangements
Holiday Inn Dublin – Pleasanton
6680 Regional Street
Dublin, CA 94568
Reserve by 25 September for AIST Room Rate of $189.00
For reservations, call +925.574.7109 or +925.574.7105 (Block Code “AIS”)

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

9 October 2019
The two committees will meet separately to discuss AIST business at the hotel.

1. Chair’s opening remarks—Pallava Kaushik
2. Appoint minute-taker
3. Antitrust guidelines
4. Membership and attendance
5. Review minutes of previous meeting
6. AIST Staff Announcements
7. Main agenda items
   • AISTech session development
     ▪ Selection of Abstracts (Due by 15 Sept)
     ▪ Determine session structure (Due by 30 Oct) including session titles & session chairs
     ▪ Review Papers Chair and Session Chair instructions
     ▪ Identify volunteers for Session Chairs
   • Review call for papers for next year
   • Nominate papers for “AIST Transactions”—MSCTC
   • AIST Leadership Conference
     ▪ Solicit any discussion items/concerns from the TC to be discussed at the Leadership Conference
     ▪ Determine who from the committees will attend Leadership
   • Technology committee award planning
     ▪ Kent D. Peaslee Award (joint award between Metallurgy—Steelmaking & Casting and Ladle & Secondary Refining TC)
   • Technology Training conference planning
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- Digital Transformation Forum
- 16-19 March 2020
- The Omni William Penn Pittsburgh, PA

8. End of meeting 5:00 p.m.

10 October 2019
Attendees will meet at Lawrence Livermore National Laboratory (LLNL) for presentations and tours to begin at 8am. Address is 7000 East Ave, Livermore, CA 94550.

All attendees will be allowed to the LLNL conference area to hear the presentations. If we have time for tours, the tours of the facility will only be open to U.S. Citizens and some can accept foreign nationals. Please be aware of this when planning to attend the meeting.

Presentations will focus on
1. Use of Machine learning and artificial intelligence models in problem solving for metals and materials coupled with visitation for HPC lab
2. Use of Data visualization and data analysis technology from sensors i.e. process automation for plants and if there are tools that LLNL has to speed up this process
3. Characterization of inclusions, nano-particles and use of ID beam in understanding mechanical failures in metals and alloys, coupled with tours of high energy SEM and x-ray tomography labs
4. Additive manufacturing – fundamentals and applied research, especially for powder metallurgy, metals and light weighting materials coupled with tours of additive manufacturing labs

11 October 2019
The two committees will meet together at the hotel for joint presentations & discussion

9. Presentations & Discussion items 7:30 a.m.

MSCTC presentations:
- Classification of non-metallic inclusions by computer vision and machine learning methods – Brian Webler, CMU
- Micro-CT and Inclusion Analysis Research at Missouri S&T – Ron O’Malley + Simon Lekakh – MS&T
- Digitalization at Big River Steel – Joe Laughlin + Franck Adjogble - SMS
CATC presentations:
- Accelerating new product grade development using machine learning - Gerdau, Fero Labs
- Data visualization and data technology, big data and high performance computational software (Industry 4.0) – Quinlogic
- Data visualization and data technology management - OSIsoft LLC

10. Next meeting
   a. MSCTC—
   b. CATC—

11. Chair conclusion—Yufeng Wang & Pallava Kaushik
12. Adjourn 11:00 a.m.
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.