



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

## **AIST Fall Joint Meeting Notice / Agenda Galvanizing / Cold Sheet Rolling Technology Committees**

**Date: 30 August – 1 September 2022**

**Location: Queretaro, Mexico**

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### ***Arrangements***

Recommend flying into Queretaro International Airport (QRO) and taking an UBER to your hotel.

Hotel reservations can be made using Expo Acero's "Hosting" [link](#).

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

### **Tuesday, 30 August 2022 - Expo Acero - Queretaro Centro De Congressos, Queretaro, Mx.**

- Committee members are encouraged to attend the Expo Acero. The exhibit floor is free to attend. If you choose to attend the presentations, there will be a fee and you will need to register online.

### ***Evening Reception***

**5 – 7 pm**

- o Thank you to our sponsors: EMG, Spraying Systems, Radian Robotics and Itipack Systems

### **Wednesday, 31 August 2022 – Meeting room at Queretaro Centro De Congressos, Queretaro, Mx.**

**1. Chair's opening remarks**

**9:00 am**

**2. Appoint minute-taker**

**3. Antitrust guidelines**

**4. Membership and attendance**

**5. Review minutes of previous meeting of 16 May 2022**

**6. AIST Staff Announcements**

**7. Steel Industry Fatalities**

**8. Main agenda items**

- AISTech 2023 session development
  - Selection of Abstracts (Due by 15 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

**Association for Iron & Steel Technology**

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- Finalize call for papers for AISTech 2024
  - Galvanizing - *Hot-dip galvanize, galvanneal, aluminized, new zinc alloy coating and dual metallic/organic processes (new facilities and modernizations, productivity improvements, new equipment technologies), plus coated product substrate quality, defect prevention and detection, and new surface post-treatments.*
  - Cold Sheet Rolling - *Sheet and tin cold rolling, temper/skinpass rolling, pickling, cleaning and annealing facilities: new, revamps or modernizations. Process modeling and equipment reliability studies. New or revised technologies for enhancing safety, energy efficiencies, cost, quality, productivity and yield. Topics of interest include but are not limited to: width, thickness, shape, flatness, edge drop, surface, temperatures, properties, steering, and processing of new and/or advanced high-strength steels.*
  
- Finalize committee roundup
  - Galvanizing – Gary Dallin
    - Updates required by: 1 December 2022
  - Cold Sheet Rolling – Ken Hutter
    - Updates required by: 1 December 2022
  
- Technology Training conferences
  - Galvanizing – Frank Goodwin
    - Galvatech 2022 – Recap
    - MS&T 2022 – 9-13 October 2022, Pittsburgh, PA
    - AISTech 2023 – 8-11 May 2023, Detroit, MI
    - Galvatech 2023 – 15-19 October 2023, Seoul, South Korea



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### **9. *Technical Discussion items***

#### **Coil Joining at Cold Mills & Galvanizing Lines**

- |   |         |
|---|---------|
| <b>1. Coil Joining Advances and/ &amp; Weld Quality Control at:</b> | 9:30 am |
| a. Pickling Line/Tandem Cold Mills (PLTCMs)                         |         |
| b. Galvanizing & Continuous Annealing Lines                         |         |
| Matt Keller, Taylor Winfield  |         |
| (45minutes with QA after each sub-topic)                            |         |

Coffee Break 10:15 am

#### **Controlling/Mastering Strip Shape** 10:30 am

- |   |  |
|---|--|
| <b>2. Transverse Roll Gap Mechanics During In-Line Skin<br/>Pass Rolling with Applications to Surface Conditioning<br/>Uniformity</b> |  |
| Mark Zipf, SMS group  |  |

#### **Inline Monitoring and/or Control Systems** 11:00 am

- |  |  |
|--|--|
| <b>3. Quality Assurance Systems for Cold Rolling &amp; CGL</b> |  |
| Emanuel Orihuela, EMG Automation GmbH                          |  |

#### **Cold Rolling Solution Maintenance / Chem Cleaning at CGLs**

- |  |          |
|--|----------|
| <b>4. Rolling Emulsion Maintenance, Equipment &amp; Practices<br/>at the TCM Affecting Cleanliness of Fullhard Coils Going<br/>to CGLs</b> | 11:30 am |
| Edgar Gonzalez, Quaker Metals Mexico   |          |

Lunch Break Noon

- |   |         |
|---|---------|
| <b>5. Chemical Cleaning Best Practices at Galvanizing Lines</b> | 1:00 pm |
| Presenter from Henkel Mexico                                    |         |

#### **Automated Surface Inspection Systems & Quality Management Systems**

- |  |         |
|--|---------|
| <b>6. Automated Surface Inspections Systems &amp; Plantwide<br/>Integration (ASIS)</b> |         |
| a. Greg Gutmann, ISRA-Parsytec   | 1:30 pm |



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- b. Mark Cornell for Dr. Schenk 2:00 pm
- Coffee Break 2:30 pm
- 7. Coil Quality Grading & Management Tools**
- a. Maxime Monnoyer, Fives KEODS 2:45 pm
- b. Artificial Intelligence Supported Production in Rolling and Galvanizing Mills 3:15 pm  
Michael Peintinger, Smart Steel Technologies
- Role of Roll Shop Technologies**
- 8. Roll Grinder Values – Key Features for Long Lasting High Performance** 3:45 pm  
Jochen Muenker, Heinrich Georg Machinefabrik GmbH
- Self-Recuperative Burners Installed in the Galvanizing Line at Nucor-JFE**
- 9. Modern Burner Technology for Strip Lines** 4:15 pm  
Steven Mickey, WS Thermal Process Technology Inc.
- Plant Tour Host Presentation**
- 10. Overview of Nucor-JFE Steel CGL Capabilities & Featured Technologies, Plant Tour Safety & Logistics** 4:45 pm  
David Hamblin, Nucor-JFE JV
- 10. Next meeting*
- 11. Chair conclusion*
- 12. Adjourn* 5:00 pm

### **Thursday, 1 September 2022 – Mill tour of Nucor - JFE Galvanizing Line**

- Leaving Expo Acero - Queretaro Centro De Congresos promptly at 9:00 am. Expect a 2-hour bus ride to the mill followed by a 2-hour mill tour then 2-hours back to the conference center.
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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.