## HYBRID EVENTS UPCOMING

# Hot Sheet and Plate Rolling Fundamentals –

Practical Training Seminar 8–11 February 2021 Courtyard by Marriott Starkville MSU at The Mill Conference Center Starkville, Miss., USA

# **Maintenance Solutions: Fundamentals**

and New Frontiers Embassy Suites San Antonio Riverwalk San Antonio, Texas, USA 24–26 February 2021

## igital Transformation Forum for the eel Industry

15–17 March 2021 Omni William Penn Hotel Pittsburgh, Pa., USA

# Modern Electric Furnace Steelmaking undamentals – A Practical Training Seminar 24–28 May 2021

Nashville Marriott at Vanderbilt University Nashville, Tenn., USA



### ABOUT THE PROGRAM

The production and use of direct reduced iron (DRI) in North America is increasing with the reduced price of natural gas due to advances in drilling technology. As such, DRI is becoming a more important feedstock to the steelmaking process. This conference will focus on areas that include: raw materials and DRI handling and shipping; technologies to produce DRI; and the use of DRI to produce steel in electric arc furnaces (EAFs), blast furnaces and basic oxygen furnaces (BOFs).

GISTICS,

VIRTUAL SEMINAR

2-3 MARCH 2021

Virtual Seminar

#### WHO SHOULD ATTEND

Those engaged in the production, sale and use of DRI; managers and engineers from EAF, BOF and blast furnace operations; suppliers of iron ore, coal and natural gas; steel company, engineering company, academic and research personnel engaged in ironmaking process development.

## PROFESSIONAL DEVELOPMENT HOURS

This course may qualify for up to 11.25 Professional Development Hour (PDH) credits. Each attendee will receive a certificate listing the quantity of PDH credits earned for this course. This course is not approved for PDH credit in New York, Florida, North Carolina and Oklahoma.

### EGISTRATION INCLUDES

Virtual event registration includes Zoom link to access live presentations and online link to download conference materials.

**AIST MEMBERS Virtual US\$645** 



UKGANIZED BY AIST's Direct Reduced Iron Technology Committee.





## SCHEDULE OF EVENTS



#### Tuesday, 2 March 2021

8 a.m.

Introduction to DR Product, Production and Use Joseph Poveromo, RMI Global Consulting

8:30 a.m. Pellets for Direct Reduction

Renard Chaigneau, Baffinland

Within direct reduced iron (DRI) production, high-grade iron ore and preferably pellets are a key burden component. The lecture will cover the key quality components to look for, how to manufacture such high-grade pellets and the value of high grade through processing in the DRI/electric arc furnace (EAF) route.

#### 9:30 a.m. Direct Reduction To

Direct Reduction Technology (Non-Cas-Shaft-Based) Yakov Gordon, Hatch Ltd.

10 a.m. **Break** 

10:15 a.m. MIDREX DRI Technology and Project Overview Vincent Chevrier, Midrex Technologies Inc.

11 a.m. ENERCIRON HYL Technology and Project Overview Joel Morales, Tenova HYL

11:45 a.m. **Lunch Break** 

12:45 p.m. **Air Quality Permitting and Compliance for the Ironmaking Sector** Tim Desselles, SLR International Corp. Air quality permitting and compliance for industrial facilities, from the basics to an introduction of advanced concepts, with examples specific to the iron and steel industry.

1:30 p.m. Water Treatment

2:15 p.m. **Dust Recovery and Reuse** Erick Bubniak, Diproinduca Canada Ltd.

3 p.m. Networking Lounge

5 p.m. **Adjourn** 

#### Wednesday, 3 March 2021

8 a.m. DRI and HBI: Bulk Material Handling and Shipping Nigel Noel, Nu-Iron Unlimited

9 a.m. DRI: Safe In-Plant Handling and Storage

9:45 a.m. **Break** 

10 a.m. ArcelorMittal: Production and Use of DRI

11 a.m. Nucor: DRI Use in EAF

Noon **Lunch** 

#### 1 p.m. Use of DRI in EAF Steelmaking

Jeremy Jones, Continued Improvements Experts (CIX Inc.) This presentation will evaluate the use of DRI/HBI in the EAF globally. It will also touch on quality aspects and methods to optimize the use of DRI/HBI. Actual results will be presented from various DRI/EAF operations.

2 p.m. DRI and the Future of Steelmaking Alisha Giglio, Hatch Ltd.

Overview of steel process routes (blast furnace-basic oxygen furnace, DRI-EAF, scrap-EAF) and the main differences, tonnages, greenhouse gas emissions and future growth. Discussion will cover why DRI is important and how it fits in with overall future steelmaking options (hydrogen DRI, etc.)

2:45 p.m. Networking Lounge

3:45 p.m. Adjourn Conference

