REGISTRATION INCLUDES
In-person event registration includes breakfast and lunch Tuesday–Thursday; reception Tuesday; plant tour with bus transportation; and a course workbook or flash drive including presentations. Virtual event registration includes Zoom link to access live presentations and online link to download conference materials.

HOTEL ACCOMMODATIONS
A block of rooms has been reserved at the Sheraton Gunter Hotel. Please call the hotel at +1.210.227.3241 by 8 January 2021 to secure the AIST discount rate of US$139 per night for single occupancy.
Monday, 8 February 2021
4–6 p.m.
Registration

Tuesday, 9 February 2021
7 a.m.
Registration and Breakfast
8 a.m.
Introduction
8:05 a.m.
Welcome and Overview of CMC Steel Texas
8:30 a.m.
Changing the Mindset for a Safer Environment
9:30 a.m.
Break
9:45 a.m.
Rod/Bar Products and Applications
10:45 a.m.
Rolling Mill Metallurgy
Noon
Lunch
1 p.m.
Pass Design and Rolling Theory
Joseph Kennedy, Quad Engineering Inc.
This presentation will cover pass design terminology, basic rolling principles, and examples of their application and how an operator can use rolling theory to improve decisions made in the mill.

2 p.m.
Break
2:15 p.m.
Pass Design and Rolling Theory, Part II
Joseph Kennedy, Quad Engineering Inc.

3:15 p.m.
Break
3:30 p.m.
Overview of Micro-Mill Start-Up of CMC Steel Oklahoma
4:30 p.m.
Question-and-Answer Session
5–6 p.m.
Reception

Wednesday, 10 February 2021
7 a.m.
Breakfast
8 a.m.
Reheat Furnace Basics
9:15 a.m.
Break
9:30 a.m.
Descaling and Spray in Hot Rolling
Lesli Peterson, Spraying Systems Co.
Basic descale spray theory in the hot rolling process. Topics will cover nozzles used in the process, considerations on how to place the nozzles and nozzle maintenance.

10:15 a.m.
Break

10:30 a.m.
Technology of Merchant Bar Mills
Mario Fabro, SMS group Inc.
Steel shapes such as angles, channels and flats, commonly known as merchant bars, are used in a variety of industries, such as light commercial construction, industrial fabrication and various manufacturing processes. The forming of these shapes in a rolling mill presents some challenges not present when rolling simple rounds, such as complex pass sequence, guiding, cooling, straightening and packaging. This presentation will cover most of them and the effective solutions in modern merchant bar rolling.

11:45 a.m.
Lunch

1 p.m.
Torque and the Rolling Stand
Kevin Barber, Danieli Corp.
This segment provides a comprehensive description of the mechanical components of a rolling mill stand, how they function and how they handle the stress of rolling. An in-depth investigation of both the driveline and the mill stand will include how the components work together, common failure modes, preventive and predictive maintenance strategies, early indicators of functional failures, and product quality problems that can stem from driveline wear.

2:15 p.m.
Break
2:30 p.m.
Work Rolls
Bill Posey, SinterMet LLC
Discussion regarding multiple types of rolls for hot rolling applications.

3:45 p.m.
Break

4:00 p.m.
Motors, Drive and Speed Control
Eric Thorstenson, Russula Corp.
Motor, drives and speed control for long products rolling mills.

5:15 p.m.
Question-and-Answer Session

Thursday, 11 February 2021
7 a.m.
Breakfast
8 a.m.
Cutting Technologies and Saw Cutting
Peter Haas, Haas Saw & Supply
This presentation will analyze various saw cutting methods used by long products rolling mills. Included in the discussion will be a detailed review of safety issues, cost calculations, comparison of saw cutting machines and saw blade designs, maintenance and use of saw blades, troubleshooting guidelines, and cutting parameters. Information will also be provided on saw blade tracking, performance analysis, wear life comparison, creating benchmarks for improvement, and planned saw blade changes to prevent mill downtime due to cutting issues.

9:15 a.m.
Break

9:30 a.m.
Bar Finishing
Kevin Barber, Danieli Corp.

10:45 a.m.
Break

11 a.m.
Predictive Maintenance Tools and Strategies for Long Products
Daniel Phillips, Regal Beloit America, Inc.

Noon
Lunch

1 p.m.
Plant Tour of CMC Steel Texas

5 p.m.
Return From Plant Tour and Adjourn Conference