



# THE 8TH INTERNATIONAL STEELSIM CONFERENCE

> 13–15 AUGUST 2019 > TORONTO, ONT., CANADA

## ABOUT THE PROGRAM

The important role of modeling and simulation of metallurgical processes has achieved worldwide acknowledgment, especially in optimizing technological processes, reducing production costs and increasing steel quality. Powerful computational methods provide an in-depth understanding of experimental findings and guide further experimental work. Modeling and simulation promise possible solutions, even breakthroughs, for the future development of the steel industry.

STEELSIM2019 will be an excellent venue for producers, academia, researchers and engineers from around the globe to exchange recent developments and information on issues related to modeling and simulation of metallurgical processes. We welcome you to participate in this advanced conference and are looking forward to meeting you in the summer of 2019.

### SPONSORED BY

AIST's Computer Applications  
Technology Committee

### ORGANIZED BY

Chenn Zhou  
Purdue University Northwest

Scientific Program Committee

Visit [AIST.org/SteelSim](http://AIST.org/SteelSim) to see the full list of members.



# REGISTRATION NOW OPEN!

## THREE TRACKS DAILY, WITH 30 SESSIONS!

- > Oxygen Steelmaking
- > Electric Steelmaking
- > Ironmaking
- > Rolling and Reheating Simulations
- > Ladle Metallurgy Mixing
- > Blast Furnace Modeling
- > Solidification
- > Electromagnetics in Continuous Casting
- > Material Handling and Tracking
- > Machine Learning, Big Data and Artificial Intelligence
- > Advanced High-Strength Steels

**MORE THAN 100 PRESENTATIONS!**

## REGISTRATION FEES

### > Advance Registration

before 2 July 2019

Member

**US\$1,095**

Non-Member

**US\$1,310**

### > Registration

after 2 July 2019

Member

**US\$1,195**

Non-Member

**US\$1,410**

Student rate available.

# SCHEDULE

## TRACK A

- > **SESSION A1**  
Desulfurization
- > **SESSION A2**  
Blast Furnace Modeling I
- > **SESSION A3**  
Blast Furnace Modeling II
- > **SESSION A4**  
Blast Furnace Modeling III
- > **SESSION A5**  
Ironmaking & Raw Materials
- > **SESSION A6**  
Weldability & Fracture Toughness
- > **SESSION A7**  
Steel-Slag Interaction
- > **SESSION A8**  
Material Handling & Tracking
- > **SESSION A9**  
Electric Steelmaking
- > **SESSION A10**  
Recent Advances in Steel Manufacturing

## TRACK B

- > **SESSION B1**  
Rolling & Reheating Simulations
- > **SESSION B2**  
Rolling & Reheating Simulations
- > **SESSION B3**  
Microstructural Effects on Product
- > **SESSION B4**  
Elemental Effects on Macrosegregation & Product Design
- > **SESSION B5**  
Prediction, Simulation & Detection of Cracking During Continuous Casting
- > **SESSION B6**  
Oxygen Steelmaking
- > **SESSION B7**  
Ladle Metallurgy Mixing I
- > **SESSION B8**  
Ladle Metallurgy Mixing II
- > **SESSION B9**  
Machine Learning, Big Data and Artificial Intelligence
- > **SESSION B10**  
Environmental Improvements

## TRACK C

- > **SESSION C1**  
Downstream
- > **SESSION C2**  
Solidification
- > **SESSION C3**  
Electromagnetics in Continuous Casting I
- > **SESSION C4**  
Electromagnetics in Continuous Casting II
- > **SESSION C5**  
Tundish
- > **SESSION C6**  
Continuous Casting I
- > **SESSION C7**  
Continuous Casting II
- > **SESSION C8**  
Continuous Casting III
- > **SESSION C9**  
Processing of Advanced High-Strength Steels I
- > **SESSION C10**  
Processing of Advanced High-Strength Steels II

SEE THE COMPLETE SCHEDULE AT  
[AIST.ORG/STEELSIM](http://AIST.ORG/STEELSIM)