

ICSTI 2027

The 11th International Congress
on the Science and Technology of Ironmaking

June 14th-18th, 2027

Hokkaido University
Conference Hall

Kita 8, Nishi 5, Kita-ku, Sapporo, Hokkaido, Japan

Important Dates

Abstract submission — 30th September 2026

Notification of Acceptance — 30th November 2026

Extended abstract submission — 31st January 2027

Early bird registration — 31st March 2027

Conference — 14th-17th June 2027

Plant Tour — 18th June 2027



Organized by: The Iron and Steel Institute of Japan, ISIJ





Greetings / Introduction

Welcome to ICSTI2027, the 11th International Congress on the Science and Technology of Ironmaking will be held from 14 to 18 June 2027, in Sapporo, Hokkaido, Japan. It will be organized by the Iron and Steel Institute of Japan (ISIJ).

The first ICSTI was held in Sendai, Japan, in 1994, with the aim of deepening and exchanging scientific knowledge and technology in ironmaking, as well as promoting international collaboration among researchers and engineers. Since then, the congress has been held in Toronto, Canada (1998); Düsseldorf, Germany (2003); Osaka, Japan (2006); Shanghai, China (2009); Rio de Janeiro, Brazil (2012); Cleveland, USA (2015); Vienna, Austria (2018); Bremen, Germany (2022); and Beijing, China (2025). Throughout its history, ICSTI has consistently provided participants with the latest insights into ironmaking technologies reflecting contemporary industrial and societal needs.

In recent years, the global steel industry has been undergoing unprecedented transformation amid accelerating societal efforts toward carbon neutrality. ICSTI2027 aims to provide an international platform for academia, researchers, and engineers from around the world to showcase cutting-edge research, exchange innovative ideas, and discuss the future of ironmaking in a rapidly evolving landscape.

We look forward to welcoming you to Sapporo, a city renowned for its natural beauty and warm hospitality, for fruitful discussions and collaborations that will help shape the next generation of ironmaking.

Hiroshi Nogami,
Chair of ICSTI 2027, Tohoku University





Organizer / Committee

Organizer

Organized by The Iron and Steel Institute of Japan

Sponsored by The Consortium for Scientific and Engineering Research on
Ironmaking Processes,
Hyuga Memorial Grant for International Conference

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WATANABE, Takashi (Institute of Science Tokyo)



Supporting Organizations

- Acciarium Association for Iron and Steel Technology / AIST (USA)
- The Austrian Society for Metallurgy and Materials / ASMET (Australia)
- Brazilian Association of Metallurgy, Materials and Mining / ABM (Brazil)
- The Chinese Society for Metals / CSM (China)
- Czech Metallurgical Society (Czech)
- Italian Association for Metallurgy / AIM (Italy)
- Indian Steel Association / ISA (India)
- Institute of Materials, Minerals and Mining / IOM3 (UK)
- The Institute of Life Cycle Assessment / ILCAJ (Japan)
- Korean Institute of Metals and Materials / KIMM (Korea)
- The Latin American Steel Association / ALACERO (Mexico)
- The Mining and Materials Processing Institute of Japan / MMIJ (Japan)
- Society of Environmental Science / SES (Japan)
- The Japan Institute of Metals and Materials / JIMM (Japan)
- The Japan Research and Development Center for Metals / JRCM (Japan)
- The Society of Chemical Engineers / SCEJ (Japan)
- The Steel Institute VDEh (Germany)
- The Swedish Steel Producers Association / Jernkontoret (Sweden)
- Spanish Association of Steel / UNESID (Spain)



Program

Conference Schedule (Tentative)

Day	Morning	Afternoon	Evening
June 14 (Mon.)			Registration / Welcome Reception
June 15 (Tue.)	Plenary Lecture / Technical Session	Plenary Lecture / Technical Session	
June 16 (Wed.)	Plenary Lecture / Technical Session	Plenary Lecture / Technical Session	Banquet
June 17 (Thu.)	Plenary Lecture / Technical Session	Technical Session/ Closing	
June 18 (Fri.)	Plant Tour		

*Poster sessions are also scheduled.

Plenary Lecturers

Prof. FABRITIUS, Timo Matti Juhani (Process Metallurgy Research Unit, University of Oulu, Finland)

Prof. HONEYANDS, Tom (Centre for Sustainable Steelmaking Research, University of Newcastle , Australia)

Dr. KIKUCHI, Naoki (Steel Research Laboratory, JFE Steel Corporation, Japan)

Dr. SHIN, Myoung-Gyun (Future Steel R&D Conter, POSLAB, POSCO, Korea)

Dr. ZHANG, Fuming (Shougang Group Co., Ltd., China)

Topics

- Cokemaking
- Pre-treatment of raw materials (sintering, pelletizing, etc.)
- Blast furnace ironmaking
- Direct reduction
- Smelting reduction
- Hydrogen (H₂)-based ironmaking
- Melter (EAF, ESF)
- Electrolysis in ironmaking
- CCUS
- Automation, digitalization, and artificial intelligence in coke- and iron-making



Call for Papers

Abstract submission	30th September 2026
Notification of Acceptance	30th November 2026
Extended abstract submission	31st January 2027
Early bird registration	31st March 2027

| Abstract Submission Instructions

Submission is only accepted via the online ICSTI2027 conference website. **Only one Abstract per Presenter is accepted for submission.** No fax or e-mail submission is accepted.

Please fill in the online submission form and submit the abstract with up to 5 Keywords.

Abstract should be written not exceeding 200 words. You are requested to choose the topics from the listed below that are most applicable to your abstract theme. After submission, you will receive an automatic submission number in return by e-mail when the submission succeeded.

1. Cokemaking
2. Pre-treatment of raw materials (sintering, pelletizing, etc.)
3. Blast furnace ironmaking
4. Direct reduction
5. Smelting reduction
6. Hydrogen (H₂)-based ironmaking
7. Melter (EAF, ESF)
8. Electrolysis in ironmaking
9. CCUS
10. Automation, digitalization, and artificial intelligence in coke- and iron-making

| Other Notes

Either Oral or Poster presentation is accepted. However, the Program Committee will make the final decision.

One abstract per author is permitted.

Presenting author must register during the early-bird registration period.



Registration

Early bird registration ————— 31st March 2027

| Registration Fees (Tentative)

	ISIJ Individual Member	Early Bird Registration Until 31th March, 2027	Late Registration Until 13th June, 2027	Onsite Registration
Regular Participant	Member	120,000JPY	130,000JPY	140,000JPY
	Non-Member	130,000JPY	140,000JPY	150,000JPY
Student	Member	60,000JPY		
	Non-Member	70,000JPY		
Banquet	TBA			
Plant Tour	TBA			
Documents for Visa acquisition	20,000JPY			

- Tax included. •All participants are subject to register online in advance or on-site at the venue.
- All presenters are required to register for Early Bird registration in order to secure a presentation.
- Students must upload Student ID card at the time of registration. Students attending onsite are requested to show their student ID card at the onsite registration desk.
- Accompanying person registration will be announced in due course.

| Entitlement

Registration fees for Regular Participant and Student includes:

Session participation, Conference kit, Welcome Reception, Coffee Breaks

| Payment Methods

After registering through congress web site, all payments must be made in Japanese yen by credit card.

| Cancellation and Refund Policy

No refund after payment.

| VISA Information

Please be careful of visa requirement for travel to Japan under participants own responsibility.

As of July 2026, Japan has taken measures on the visa exemption arrangements for 74 countries /regions.

For more information, please visit MOFA Japan web site at

https://www.mofa.go.jp/j_info/visit/visa/index.html

Once your participation has been accepted as a presenter or an audience, and you are required to obtain visas to enter Japan, please contact ICSTI2027 Secretariat.

In this case, more than one month are required for visa acquisition.



Plant Tour (18th June 2027)

NIPPON STEEL CORPORATION, North Nippon Works, Muroran Area



Nippon Steel's Muroran Area of the North Nippon Works was established in 1909. It is one of Japan's most historic steelmaking centers and has long supported the industrial development of Hokkaido.

The works are equipped with a blast furnace, converters, continuous casting facilities, and bar and wire rod rolling mills, enabling an integrated production system that manufactures high-quality steel products from iron ore. Its main products today are special steel bars and wire rods, known for their high strength and durability.

The works also promotes energy-saving technologies and recycling initiatives, making it an environmentally conscious steelworks.



Note: The plant tour is currently planned to visit the ironmaking facilities.



General Information about Japan and Sapporo

General Information

Climate

June in Sapporo is pleasantly mild, with average temperatures of around 17°C. Hokkaido has no rainy season, making it an ideal time to enjoy the fresh early-summer climate.

Credit Cards

Credit cards are widely accepted. Commonly recognized cards include Visa, MasterCard, and American Express.

Electrical Application

The voltage in Japan is 100 - 110 volts for electrical appliances. Electrical outlets generally accept Type A plugs.

Insurance

The organizer cannot accept responsibility for any accidents which might occur. It is recommended that participants take out adequate medical, travel and personal insurance prior to the commencement of travel.

Contact

The 11th International Congress on the Science and Technology of Ironmaking (ICSTI 2027) Secretariat
c/o Convention Linkage, Inc.
Sapporo Tokeidai Bldg., 2-1 Kita 1-Jo Nishi, Chuo-ku,
Sapporo, Hokkaido, 060-0001, Japan
E-mail: icsti2027@c-linkage.co.jp

Currency

Only Japanese Yen is acceptable at regular stores and restaurants. Foreign currency can be changed into Japanese yen (¥) at major banks, hotels, and airports.

Tipping

There is no custom of tipping anywhere in Japan, even at hotels and restaurants. On certain occasions, however, a service charge is added to the bill.

Special Requirements

If you require any special assistants such as special diet or disability, please input the requirement in the comment field on the online participation registration.





Access

| The required time from the main domestic airport

- Tokyo International Aiport(Haneda) ————— About 1 hour 30 minutes
- Narita International Aiport ————— About 1 hour 45 minutes
- Kansai International Aiport ————— About 2 hour 00 minutes
- Chubu Centrair International Aiport ————— About 1 hour 35 minutes
- Fukuoka Aiport ————— About 2 hour 15 minutes
- Naha Aiport ————— About 3 hour 05 minutes

| Access to Hokkaido University Conference Hall

-By Train (JR)

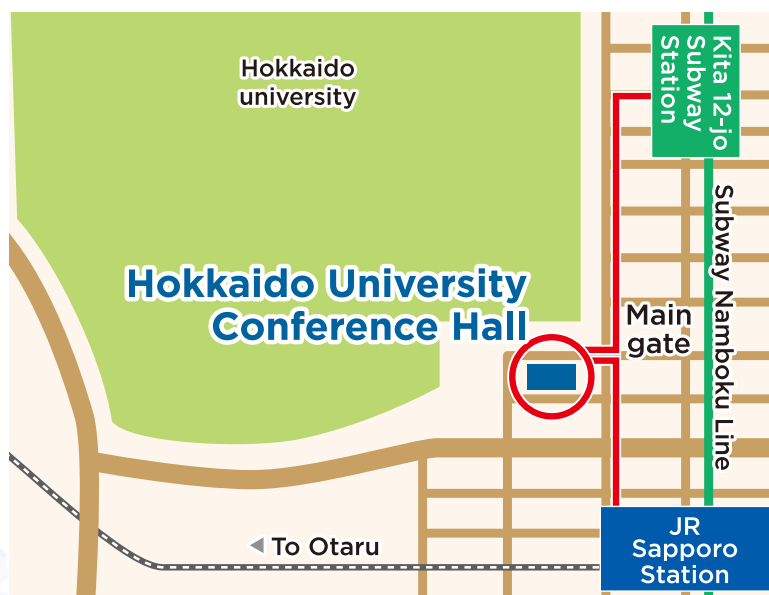
7-minute walk from JR Sapporo Station

-By Subway

Sapporo Municipal Subway, Namboku Line

8-minute walk from Sapporo Station

7-minute walk from Kita-12-jo Station





Accommodation

All participants are requested to book their accommodation by themselves.

ICSTI2027 Organizing Committee or Secretariat Office will not arrange accommodation for the participants.

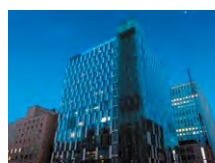
Please enquire at your favorite online hotel-booking page or travel agency.

Some hotels in the vicinity of the conference venue are listed below for your reference.

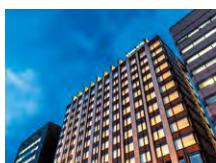
Please contact directly to the hotel you would like to stay at. Please note that the Organizing Committee or Secretariat Office has no special contract with these hotels and is not responsible for participants' hotel reservations.



**① Hotel Route-Inn
Sapporo Ekimae Kitaguchi**
1 min walk
from North Exit of JR "Sapporo Station"



② Hotel Gracery Sapporo
1 min walk
from South Exit of JR "Sapporo Station"



③ Solaria Hotel Sapporo
5 min walk
from North Exit of JR "Sapporo Station"



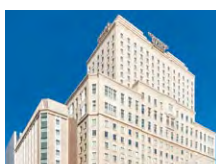
④ ANA Crowne Plaza
7 min walk
from North Exit of JR "Sapporo Station"



**⑤ JR Tower Hotel Nikko
Sapporo**
3 min walk
from North Exit of JR "Sapporo Station"



⑥ Keio Plaza Hotel Sapporo
5 mins walk
from JR "Sapporo Station"



**⑦ Hotel Monterey Edelhof
Sapporo**
7 mins walk
from JR "Sapporo Station"



⑧ New Otani Inn Sapporo
8 mins walk
from South Exit of JR "Sapporo Station"



⑨ Sapporo Grand Hotel
5 mins walk
from Subway "Odori Station"



⑩ Hotel Resol Trinity Sapporo
1 min walk
from Exit 3 of Subway "Odori Station"



**⑪ Sapporo View Hotel
Odori Park**
5 mins walk
from Subway "Odori Station"



⑫ Sapporo Prince Hotel
3 mins walk
from Subway "Nishi 11-chome Station"
exit No.2



**⑬ Grand Mercure Sapporo
Odori Park**
1 min walk
from Subway "Nishi 11-chome Station"
exit No.1



Tourism information

Sapporo is Japan's fifth biggest city, and the largest north of Tokyo. Enjoy exquisite cuisine created from the blessings of nature, plentiful shopping, and myriad artistic and cultural experiences together with the vibrant nightlife of one of Japan's leading entertainment districts. The great outdoors also lies within easy reach, and there is no shortage of incredible views and thrilling outdoor activities.

SAPPORO STATION

Located about 40 minutes from New Chitose Airport, Hokkaido's main airport, Sapporo Station is a gateway to the four corners of Hokkaido for visitors traveling by rail or bus.



SUSUKINO

It's hard to find someone who's visited Sapporo without checking out its iconic entertainment district. Get off the Namboku subway line at Susukino Station at night and you'll be surrounded by crowds buzzing with anticipation for the amazing nightlife.



Night Views

Sapporo was selected as one of Japan's new top three cities for night views. Cast your eyes over unique views from various vantage points, including mountain peaks, the ski jump, parks and skyscrapers. Sapporo's iconic snowy landscape adds extra charm with lights twinkling amid dancing snowflakes.



ODORI PARK

Odori Park runs for 1.5km from east to west right through the heart of Sapporo. Its beautiful gardens lined with flowers and trees are beloved by locals and visitors alike.



Sapporo's Culinary Specialties

Surrounded by three ocean currents, Hokkaido is a treasure trove of incredible seafood. The vast expanses of the island are also a thriving hotbed of dairy farming and other agriculture, ideal for growing the very best local produce. As the capital of Hokkaido, Sapporo is the culinary center where all of these fresh ingredients come together. Indulge your taste buds with a fascinating lineup of seafood, world-class dining, and soul food beloved by locals, including miso ramen and the local lamb barbecue dish Genghis Kan.



RAMEN



SUSHI & SEAFOOD



GENGHIS KHAN



Markets



SOUP CURRY



SHIME PARFAIT