The 186th ISIJ Meeting

Date

September 20 to 22, 2023

Venue

University of Toyama, Gofuku Campus

3190 Gofuku, Toyama-shi, Toyama 930-8555, Japan

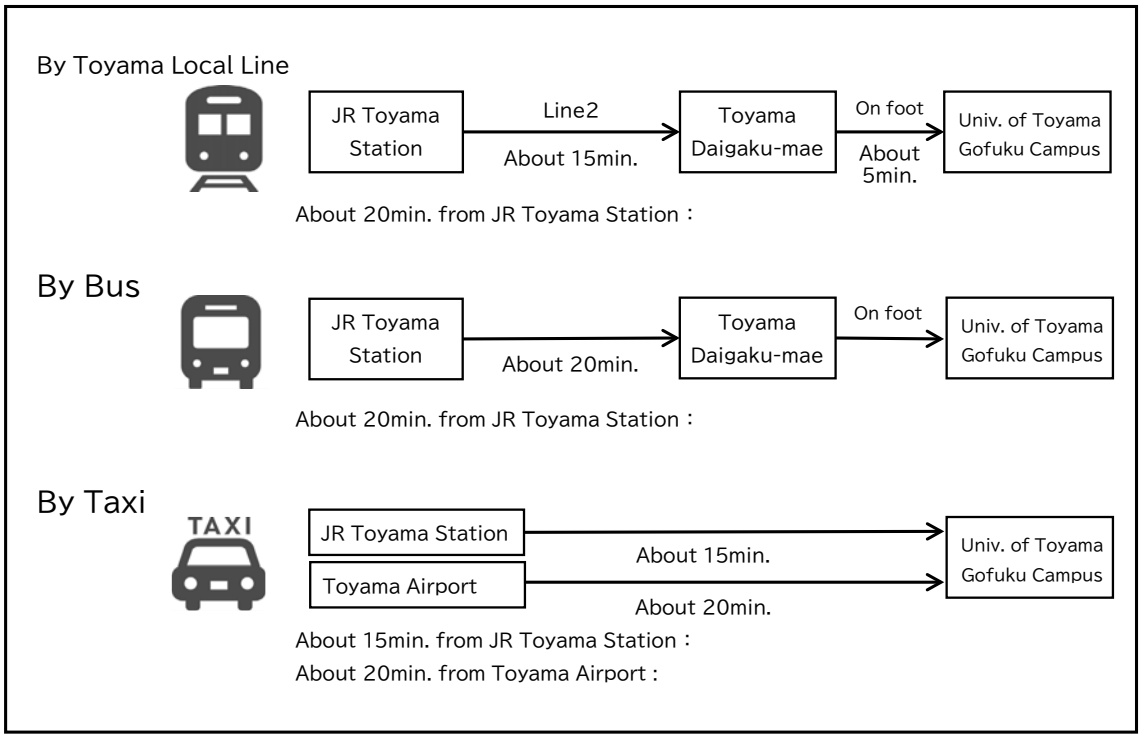
Access to University of Toyama

From Tokyo

About 1hr. from Haneda (Tokyo) Airport by Air

About 2hrs 10min. from JR Tokyo Station by Rail

From Toyama Station to the venue

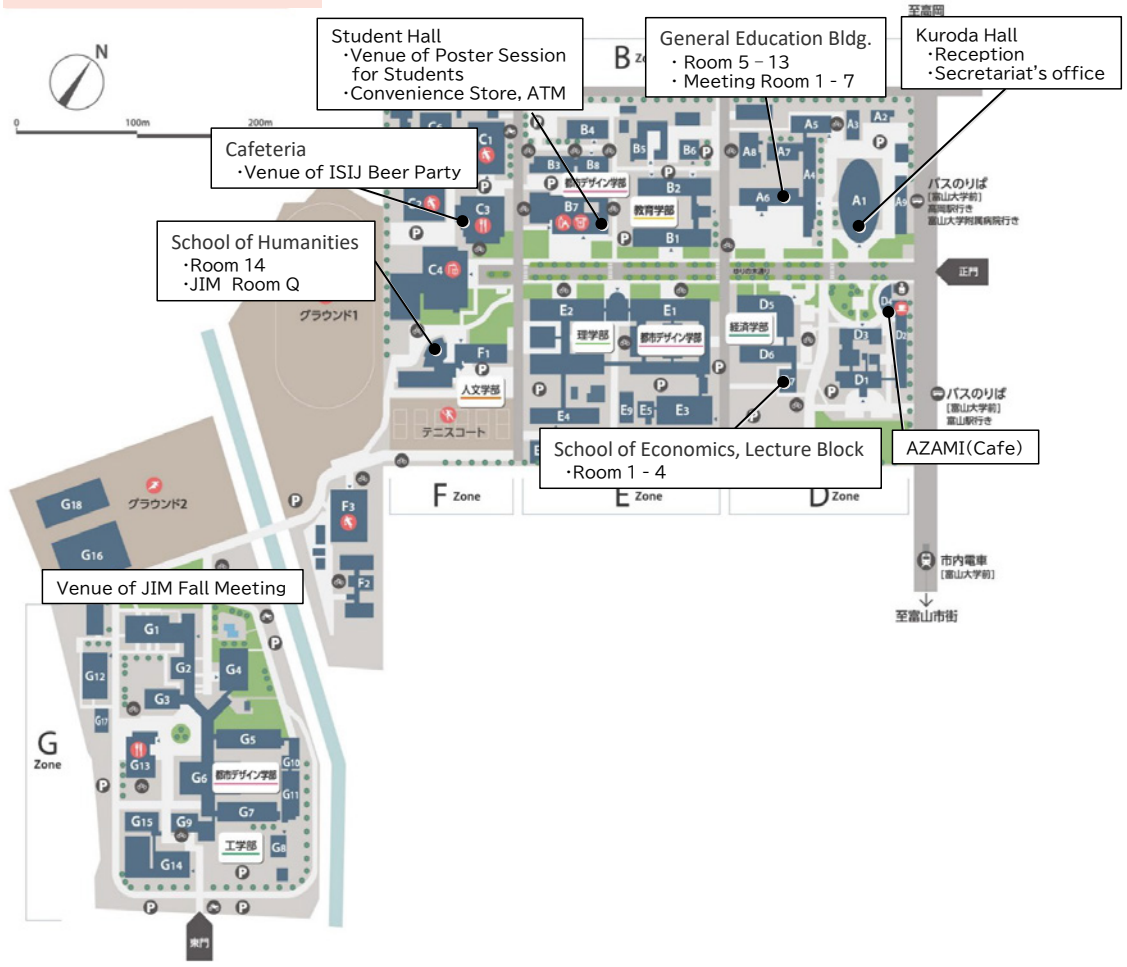


＊For more information, please refer to the following website.

https://www.u-toyama.ac.jp/en/access/

Campus Map

Gofuku Campus



A zone

A1. Kuroda Hall

A4. General Education Bldg. A

A6. General Education Bldg. C

A7. General Education Bldg. D

B zone

B7. Student Hall

C zone

C3. Cafeteria

D zone

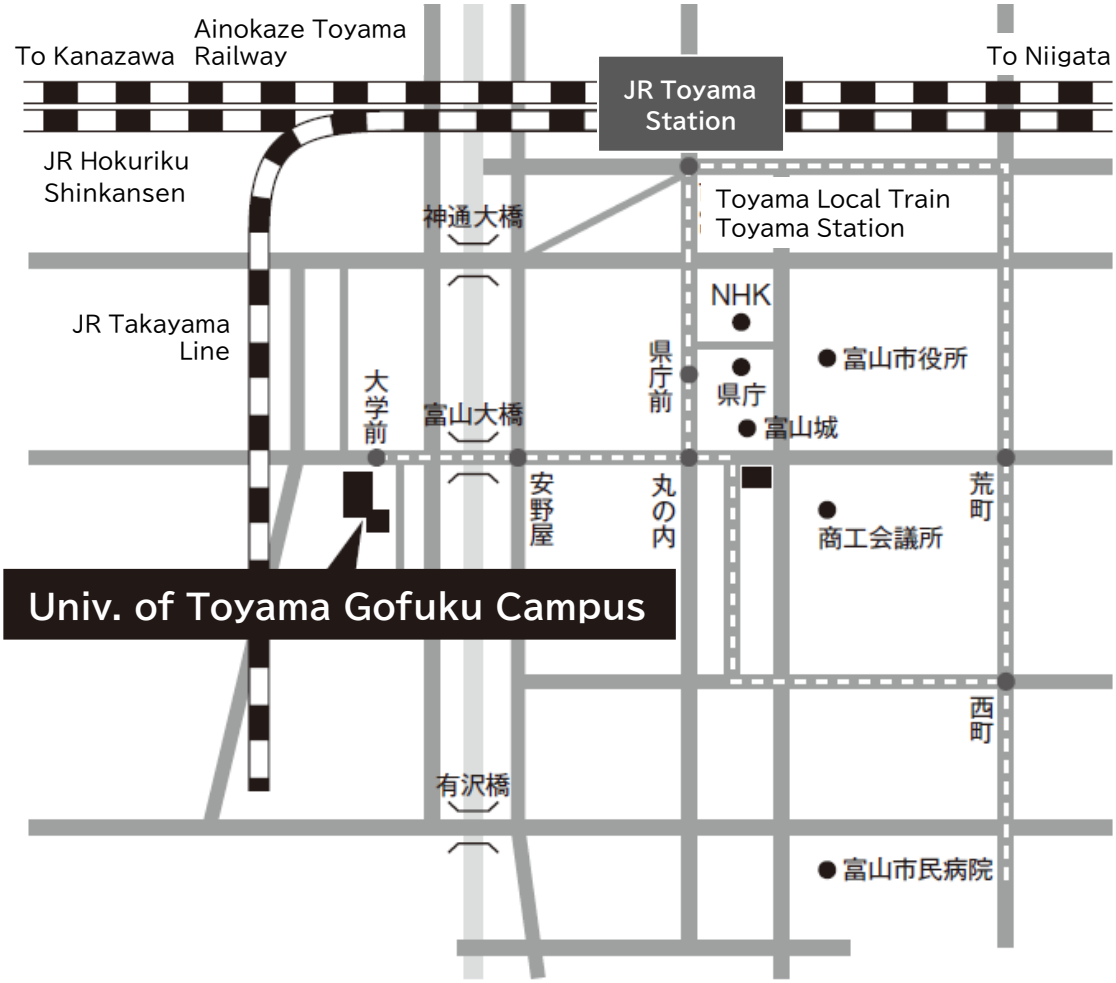
D4. AZAMI (Cafeteria)

D7. School of Economics Lecture Block

F zone

F1. School of Humanities Bldg.

Map around the venue



The timetable of the 186th ISIJ Meeting
(September 20-22, 2023 at University of Toyama)

Session Room	Sept. 20 (Wed.)		Sept. 21 (Thu.)		Sept. 22 (Fri.)	
	AM	PM	AM	PM	AM	PM
Session Room 1 School of Economics Lecture Block (D7) 1st 101	Coal and coke [1-4] (10:00-11:20)	Young engineer session of coke-making 1・2 [5-11] (13:00-15:40)	Introduction of research topics in novel processing forum 1・2 [48-54] (9:00-11:40)	Multiscale analysis of solidification structure, segregation and casting defects (13:00-16:25) [Charge-Free]	Recycling of waste and refractories [73-76] (10:40-12:00)	Transport phenomena [77-81] (13:00-14:40)
Session Room 2 School of Economics Lecture Block (D7) 2nd 201	Frontier of high temperature physical chemistry in oxide/metal interface 1・2 [12-18] (9:20-12:00)	Solidification and structure 1・2 [19-26] (13:00-16:00)	Solidification and structure 3 / Continuous casting and solidification [55-61] (9:20-12:00)	Final symposium on the ISIJ research group "Sensing and Visualization of Slag for Understanding the Flow of Multiphase Molten Slags" (13:30-17:30) [Charge-Free]	Operational improvement and theoretical consideration in refining process 1・2 [82-89] (9:00-12:00)	Secondary refining / Inclusion [90-97] (13:00-16:00)
Session Room 3 School of Economics Lecture Block (D7) 3rd 301	Sintering process / Quality of agglomerates [27-34] (9:00-12:00)	Phenomena in blast furnace / Analysis and control of blast furnace [35-43] (13:40-17:00)	Reduction / Shaft furnace [62-67] (9:30-11:50)	Young researchers' challenges to ironmaking process [D1-D5] (13:00-17:00)	Young engineer session of iron making 1・2 [98-104] (9:00-11:40)	Pre-treatment of high phosphorus iron ore 1・2 [105-110] (13:00-15:20)
Session Room 4 School of Economics Lecture Block (D7) 4th 401	Key technologies for reducing CO_2 emission from iron-making industry [111-115] (10:00-11:40)	Slag [116-120] (13:00-14:20) Slag and dust recycle for sustainable system [116-120] (14:40-16:20)	Green energy technologies in ironmaking process for green transformation [121-123] (9:20-10:20) Fundamentals [68-72] (10:40-12:20)	-	-	-
Session Room 5 General Education Bldg.A (A4) 3rd A31	Area-sensing-based condition monitoring of facilities in steelworks Part2 [D6-D11] (9:30-12:00)	Process control technology for cyber-physical systems (13:00-16:50) [Charge-Free]	System [124-126] (10:30-11:30)	Instrumentation / Control [127-133] (13:00-15:40)	Systems Resilience to Realize Maximum Efficiency and Operational Stability (10:00-16:20) [Charge-Free]	
Session Room 6 General Education Bldg.A (A4) 3rd A32	Control technologies for free cutting 15 [134-138] (10:00-11:40)	Phenomena and surface defects at the interface of rolled material during rolling [D12-D17] (13:05-16:45)	Modeling of various phenomena in metal forming and its application / Surface and tribology [145-152] (9:00-12:00)	The technical session by young engineers of hot rolling I・II / Rolling [153-162] (13:00-17:00)	Reliability evaluation of weld 5 [163-167] (10:00-11:40)	-
Session Room 7 General Education Bldg.A (A4) 3rd A33	Numericalization of the structure of additive manufacturing materials I・II [139-144] (9:20-11:40)	Technological trends in steel pipes and energy fields [D18-D22] (13:00-16:20)	Technology and Cultural of Iron and Metal in Hokuriku region (10:00-17:30) [2,000yen, Student1,000yen]		-	-
Session Room 8 General Education Bldg.C (A6) 1st C11	Investigation of bio-corrosion of structural materials ～diagnosis and analysis～IV [D23-D27] (9:20-11:55)	Investigation of metal corrosion in various environments II ～Prospects for Next Generation MIC (Microbiologically Influenced Corrosion) Studies～ (13:00-17:10) [Charge-Free]	Stainless steel [200-202] (10:30-11:30)	-	-	-
Session Room 9 General Education Bldg.C (A6) 1st C12	-	Toward controlling multi-phase structures in galvanized/aluminized coatings by hot-dip galvanizing process [D28-D36] (13:00-16:45)	Surface treatment and corrosion [203-206] (10:00-11:20)	-	Heterogeneous deformation microstructures and their effects on mechanical properties ～Results obtained and toward future activities～ (9:00-15:45) [1,000yen]	
Session Room 10 General Education Bldg.C (A6) 1st C13	-	Machine structural steel 1・2 [168-174] (13:00-15:40)	Electrical steel / Recrystallization and texture [207-213] (9:15-11:50)	Martensitic transformation / Phase transformation and microstructure control 1・2 [214-224] (13:00-17:10)	Modeling and simulation 1・2 [233-240] (9:00-12:00)	-
Session Room 11 General Education Bldg.C (A6) 2nd C21	Hydrogen embrittlement 1・2 [175-184] (9:00-12:30)	Innovative evaluation techniques for hydrogen entry and hydrogen trapping: II (13:30-17:20) [Charge-Free]	Understanding of issues and investigation of hydrogen embrittlement evaluation methods for practical application of ultra-high strength steel with hydrogen embrittlement problem (9:30-16:30) [Charge-Free]		Hydrogen embrittlement 3・4 [241-250] (9:00-12:30)	Hydrogen embrittlement 5・6 [251-258] (13:10-16:00)
Session Room 12 General Education Bldg.C (A6) 2nd C22	Strength and deformation behavior 1 [185-189] (10:00-11:40)	Strength and deformation behavior 2・3 [190-199] (13:00-16:40)	Heat resistant steels and alloys 1・2 [225-232] (9:00-12:00)	-	Toughness / Fatigue [259-265] (9:20-12:00)	-
Session Room 13 General Education Bldg.D (A7) 1st D12	Leading edge of Ti alloy processing (9:00-11:35) [Charge-Free]	Non-destructive / on-site analysis for materials related to steel [266-270] (13:30-15:10)	Organic compound analysis / Crystal structure analysis / Surface and state analysis/Elemental analysis [271-278] (9:00-12:00)	-	-	-
Session Room 14 School of Humanities Bldg. (F1) 3rd 6	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 1 [J19-J23] (10:00-11:40)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 2・3 [J24-J29,J31-J32] (13:00-16:00)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 4・5 [J30,J33-J40] (9:00-12:20)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 6 [J41-J45] (13:20-15:00)	-	-
JIM Room Q School of Humanities Bldg. (F1) 2nd 4	-	-	ISIJ and JIM joint session Titanium and its alloys 1・2 [J1-J7] (9:30-12:00)	ISIJ and JIM joint session Titanium and its alloys 3・4・5 [J8-J18] (13:00-17:00)	-	-
	Banquet (18:30-20:30 at Crowne Plaza - ANA Toyama) [10,000yen]		Poster Session for Students (12:00-15:00 at Student Hall) [Charge-Free] ISIJ Beer Party (17:30-19:00 at Cafeteria(C3)) [1,000yen]		-	-

[ ]: Lecture Number
( ): Lecture Time
: Event to be held during the 186th ISIJ Meeting (Symposium, Poster Session for students)

Program of the 186th ISIJ Meeting (September 20-22, 2023)

Discussion Sessions

High Temperature Processes

Instrumentation, Control and System Engineering

Processing for Quality Products

Microstructure and Properties of Materials

Toward controlling multi-phase structures in galvanized/aluminized coatings by hot-dip galvanizing process

Program of the 186th ISIJ Meeting (September 20-22, 2023)

High Temperature Processes

Program of the 186th ISIJ Meeting (September 20-22, 2023)

Young engineer session of iron making 1

Young engineer session of iron making 2

Pre-treatment of high phosphorus iron ore 1

Pre-treatment of high phosphorus iron ore 2

Sustainable Systems

Lecture No. / Plenary Session — Title — Speaker — Page

Key technologies for reducing CO_2 emission from iron-making industry

Slag and dust recycle for sustainable system

Green energy technologies in ironmaking process for green transformation

Program of the 186th ISIJ Meeting (September 20-22, 2023)

Instrumentation, Control and System Engineering

Processing for Quality Products

Microstructure and Properties of Materials

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Program of the 186th ISIJ Meeting (September 20-22, 2023)

Process Evaluation and Material Characterization

Program of the 186th ISIJ Meeting (September 20-22, 2023)

ISIJ and JIM Joint Sessions

Materials science of martensitic and bainitic transformations and its applications 4

Materials science of martensitic and bainitic transformations and its applications 5

Materials science of martensitic and bainitic transformations and its applications 6