

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)