

The timetable of the 184th ISIJ Meeting
(September 21-23, 2022 at Fukuoka Institute of Technology (FIT))

Session Room	Sept. 21 (Wed.)		Sept. 22 (Thu.)		Sept. 23 (Fri.)	
	AM	PM	AM	PM	AM	PM
Session Room 1 Bldg. A 1st fl. A13	Interim report of "Research group on multiscale evaluation of mineral structure of high-quality iron ore sinters" (9:10-16:00) [Charge-Free]		Interim reports of "Research group on lumpy zone control in next-generation hydrogen-enriched blast furnace" (9:30-16:20) [1,000yen]		Reduction and flow phenomena in smelting processes / Production process and quality of sinter [53-62] (9:00-12:40)	Young engineer session of iron making [63-67] (14:00-15:40)
Session Room 2 Bldg. A 2nd fl. A28	-	Coal and cokes / Young engineer session of coke-making 1・2 [1-10] (13:00-17:00)	High temperature materials processing by young researchers and engineers [29-33] (10:00-11:40)	Introduction of research topics in novel processing forum [34-38] (13:00-14:40)	-	-
Session Room 3 Bldg. A 2nd fl. A27	Frontier of high temperature physical chemistry in oxide/metal interface -1・2 [11-18] (9:00-12:00)	Thermodynamics / Converter, Electric furnace / Secondary refining, Inclusion [19-28] (13:00-17:00)	Refractories and refining reaction-1・2 [39-44] (9:30-11:50)	Refractories and refining reaction-3 / Slag and dust [45-52] (13:30-16:40)	Science of casting and solidification processes-1・2 [68-75] (9:00-12:00)	Continuous casting / Solidification [76-80] (13:30-15:10)
Session Room 4 Bldg. A 3rd fl. A37	Human-system shared control realizing high efficient and stable rolling [D1-D8] (9:00-12:15)	Instrumentation / System and automation [95-99] (14:00-16:00)	Area-sensing-based condition monitoring of facilities in steelworks [D9-D14] (9:00-11:30)	-	Recent trends on systems resilience to realize both maximum efficiency and operational stability [D15-D19] (9:30-12:15)	-
Session Room 5 Bldg. A 3rd fl. A36	Surface processing / Prediction of the material properties [100-105] (9:40-12:00)	Recent tube forming young researcher's session V / Compaction and sintering technologies to reduce environmental burdens / Hot Rolling, Cooling, Control [106-116] (13:00-17:20)	Fundamental tribological studies on manufacturing processes II / Modeling of various phenomena in metal forming and its application [117-124] (9:00-12:00)	Application of data science technology to rolling and processing lines [D20-D26] (13:00-16:50)	Reliability evaluation of weld IV-1・2 [125-131] (9:00-11:40)	Joining and bonding [132-134] (13:00-14:00)
Session Room 6 Bldg. A 3rd fl. A35	Utilization of green energy technology and unused materials that contribute to reducing CO ₂ emissions in the steelmaking process-1・2 [81-86] (9:50-12:10)	-	Resistance to corrosion and oxidation [159-162] (10:00-11:20)	CO ₂ capture and utilization (CCU) technologies for iron and steel making (13:00-17:00)[Charge-Free]	Advanced utilization of steel production by-products / Recycling and detoxification technology of wastes [87-94] (9:10-12:10)	-
Session Room 7 Bldg. A 2nd fl. A26	-	-	Modeling and simulation of metallurgical phenomena and properties / Aging, Precipitation [163-170] (9:00-12:00)	Grain boundary and segregation / Texture 1・2 [171-180] (13:00-17:00)	-	-
Session Room 8 Bldg. A 2nd fl. A25	Relation between microstructure and heterogeneous plastic deformation behavior in high strength steels [D27-D36] (9:30-16:30)		Investigation of bio-corrosion of structural materials—Diagnosis and analysis—II [D47-D51] (9:00-12:00)	Strength, ductility and toughness [181-185] (13:00-14:40)	Strength and deformation behavior 1・2 [208-215] (9:00-12:00)	Strength and deformation behavior 3 / Toughness and ductility [216-221] (13:00-15:20)
Session Room 9 Bldg. A 2nd fl. A23	-	Current status and future prospects toward understanding microstructure and properties of hot-dip galvanized/aluminized coatings [D37-D46] (13:00-17:05)	Stainless steel [186-190] (10:00-11:40)	-	-	-
Session Room 10 Bldg. A 2nd fl. A22	-	-	Fatigue damage on surface hardened alloy steels for machine structural use, 3rd (10:00-15:30)[Charge-Free]		Machine structural steel 1・2 [222-227] (9:40-12:00)	-
Session Room 11 Bldg. A 2nd fl. A21	Fatigue [135-139] (10:00-11:40)	Super alloy and metallic compound [140-142] (13:00-14:00)	Heat resistant steels and alloys [191-195] (10:00-11:40)	ISIJ and JIM joint session Titanium and its alloys 1・2・3 [J1-J12] (13:00-17:40)	ISIJ and JIM joint session Titanium and its alloys 4・5 [J13-J20] (9:00-12:00)	-
Session Room 12 Bldg. A 1st fl. A12	Hydrogen embrittlement -1・2 [143-149] (9:00-11:40)	Trends in evaluation on hydrogen permeation process for steel materials corrosion (13:00-16:55)[Charge-Free]	Hydrogen embrittlement -3・4 [196-203] (9:00-12:00)	Hydrogen embrittlement -5 [204-207] (13:00-14:20)	Mechanism from incubation period to fracture in hydrogen embrittlement of high-strength steels (9:30-15:15)[Charge-Free]	
Session Room 13 Bldg. A 1st fl. A11	-	Diffusional transformation / Martensite and bainite transformation [150-158] (13:00-16:20)	-	Online monitoring and analysis methods for industrial processes [Int.-1-Int.-6] (13:00-17:30)	-	-
Session Room 14 Bldg. B 3rd fl. A34	-	-	Non-destructive / on-site analysis for steel products and production -1・2 [228-233] (9:30-11:50)	-	Crystal structure analysis/Others [234-236] (9:30-10:30)	-
JIM Room A FIT Hall 3rd Fl.	The latest trend of the materials R&D for the future automotive (10:00-15:45)[Charge-Free]		-	-	-	-
JIM Room R Bldg. B 3rd fl. B32	-	-	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 1・2 [J21-J28] (9:00-11:50)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 3・4 [J29-J37] (13:00-16:10)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 5 [J38-J41] (9:00-10:20)	-
	-	Banquet (18:30-20:30 at THE LUIGANS Spa&Resort) [8,000yen] *Pre-registration is required (Deadline: Sept. 9)	Poster Session for Students (12:00-14:30 at FIT Arena)[Charge-Free] Poster Session Award Ceremony (18:00-18:30 at Session Room 1)[Charge-Free]		-	-

[] : Lecture Number
() : Lecture Time
■ : Event to be held during the 184th ISIJ Meeting (Symposium, Poster Session for students and Banquet)