

The timetable of the 188th ISIJ Meeting
(September 18-20, 2024 at Osaka University)

Session Room	Sept. 18 (Wed.)		Sept. 19 (Thu.)		Sept. 20 (Fri.)	
	AM	PM	AM	PM	AM	PM
Session Room 1 C401 CELAS Lecture Bldg. C	-	Fundamentals of solidification and continuous casting 1•2 [1-9] (13:00-16:20)	Introduction of research topics in novel processing forum 1•2 [35-40] (9:20-11:40)	Quantification of solidification phenomena V-1•2•3 [41-51] (13:00-17:10)	-	-
Session Room 2 C402 CELAS Lecture Bldg. C	Blast furnace / Evaluation of sinter reducibility [10-16] (9:00-11:40)	Young engineer session of ironmaking / New ironmaking [17-25] (13:00-16:20)	Microstructures and properties of iron ore sinters [Int.-1-Int.-6] (9:00-12:00)	Multi-scale evaluations on microstructures of high-quality iron ore sinters [D1-D4] (14:00-17:00)	Dephosphorization of iron ore / Sinter [74-79] (9:20-11:40)	-
Session Room 3 C406 CELAS Lecture Bldg. C	Frontiers of research on thermophysical properties and thermodynamics of high-temperature materials 1 [26-30] (9:20-11:00)	Frontiers of research on thermophysical properties and thermodynamics of high-temperature materials 2 [31-34] (13:00-14:20)	Inclusion 1•2 [52-58] (9:00-11:40)	Thermodynamics / Transport phenomena [59-65] (14:30-17:10)	-	-
Session Room 4 C301 CELAS Lecture Bldg. C	Cutting-edge of green technologies for carbon neutral of steelmaking industry 1•2 [88-93] (9:30-11:40)	-	Technology and culture of iron in Kinki region (10:00-17:30) [Charge-Free]		Development of green technology in surface treatment for high performance and corrosion resistance of steels (9:30-12:00) [Charge-Free]	
Session Room 5 C302 CELAS Lecture Bldg. C	Final report of ISIJ innovative program for advanced technology "Sustainable clean Cr steel production process" (9:00-11:30) [Charge-Free]	Realization and challenges of building a sustainable society through utilization of iron and steel slag [Int.-7-Int.-16] (13:00-17:30)	Young engineer session of coke-making 1•2 [66-73] (9:00-12:00)	Risk assessment for steel supply chains (13:00-16:00) [Charge-Free]	Slag / Recycling of waste [80-87] (9:00-12:00)	Utilization of steel production by-product [94-98] (13:00-14:40)
Session Room 6 C306 CELAS Lecture Bldg. C	-	Characterization of steel-related materials using interdisciplinary methods 1•2 [210-218] (13:30-16:50)	Elemental analysis, Precipitate and inclusion analysis / Crystal structure analysis [219-225] (9:15-11:50)	Systems technologies toward enhancing energy efficiency [D5-D10] (13:30-17:10)	Instrumentation / Control and system [99-105] (9:00-11:40)	Current state and challenges for future advancement of instrumentation technology for iron making process Part 3 (13:00-16:00) [Charge-Free]
Session Room 7 C307 CELAS Lecture Bldg. C	Control technology for free cutting -16 / Lubrication and sintering [106-113] (9:00-12:00)	Tribological studies on steel rolling [D11-D17] (13:00-17:00)	Research activity on the cooling model for the run-out table in the hot strip mill [D18-D26] (10:00-17:15)		Plating, Bar and wire / Modeling of various phenomena in metal forming and its application [114-120] (9:00-11:40)	Reliability of weld 6 / Hot rolling and oxide scale [121-128] (13:00-16:00)
Session Room 8 C308 CELAS Lecture Bldg. C	-	-	State-of-the-art research on material modeling [D27-D34] (9:00-17:00)		-	-
Session Room 9 C201 CELAS Lecture Bldg. C	Strength and deformation behavior 1•2 [129-136] (9:00-12:00)	Strength and deformation behavior 3 / Ductility and toughness [137-145] (13:00-16:20)	Stainless steels [167-169] (10:00-11:00)	Progress in development and reliability evaluation of structural materials supporting the liquefied hydrogen supply chain (13:00-17:00) [Charge-Free]	Strength and deformation behavior 4 / Fatigue [187-192] (9:30-11:50)	-
Session Room 10 C202 CELAS Lecture Bldg. C	Phase transformation and microstructure control [146-150] (10:00-11:40)	Recrystallization and growth - Modeling and simulation 1•2 [151-162] (13:00-17:30)	Heat resistant steels / Heat resistant alloys [170-175] (9:30-11:45)	The technical session by young engineers of hot rolling [176-180] (14:00-15:40)	Current status and issues for design of martensite and bainite in steels (9:00-16:20) [Charge-Free]	
Session Room 11 C203 CELAS Lecture Bldg. C	-	-	Approach of grain boundary engineering for achieving high-performance steels (10:00-17:00) [Charge-Free]		-	-
Session Room 12 C206 CELAS Lecture Bldg. C	Multi-phase structures and functionality in galvanized/aluminized coatings by hot-dip galvanizing process [D35-D40] (9:30-12:00)	Steels for machine structural use / Corrosion mechanism [163-166] (13:00-14:20)	Electrical steel / Soft magnetic material [181-186] (9:30-11:45)	Final report meeting of the "Study group on elucidation of microbologically influenced corrosion and construction of diagnostic and countermeasure technologies (12:50-17:00) [Charge-Free]	-	-
Session Room 13 C102 CELAS Lecture Bldg. C	Innovative evaluation techniques for hydrogen entry and hydrogen trapping -IV [Int.-17-Int.-31] (9:00-17:05)		Roles of lattice defects in fracture and related characterization techniques: ductile fracture, metal fatigue, and hydrogen embrittlement (9:25-17:00) [Charge-Free]		Hydrogen embrittlement 1•2 [193-201] (8:40-12:00)	Hydrogen embrittlement 3•4 [202-209] (13:00-16:00)
JIM Room C	-	-	ISIJ and JIM joint session Titan and its alloys 1•2 [J1-J8] (9:00-11:50)	ISIJ and JIM joint session Titan and its alloys 3•4•5 [J9-J22] (13:00-18:00)	-	-
JIM Room Q	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 1 [J23-J26] (10:30-11:50)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 2•3 [J27-J34] (13:00-15:55)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 4•5 [J35-J42] (9:00-11:50)	ISIJ and JIM joint session Materials science of martensitic and bainitic transformations and its applications 6•7 [J43-J49] (13:00-15:35)	-	-
	Banquet (18:30-20:30 at Senri Hankyu Hotel) (Toyonaka-city, Osaka) [12,000yen]		Poster Session for Students (11:00-14:00 at Osaka University Hall/ Science Commons) [Charge-Free] ISIJ Beer Party (17:30-19:00 at Toyonaka Fukuri Kaikan, 4FL Cafeteria) [1,000yen]		-	-

[] : Lecture Number
() : Lecture Time
■ : Event to be held during the 187th ISIJ Meeting (Symposium, Poster Session for students)