

The 21st KIM-JIMM Symposium

Room: 203 (Hybrid), Date: 10/27 (Thurs.)

Time	Title	Speaker	Affiliation
09:00-09:05	Welcome Address	Prof. Dong-Woo Suh	POSTECH
Session1 (Chair: Dong-Woo Suh (POSTECH))			
09:05-09:30	Three-dimensional observation of microstructure formation in the initial stage of martensitic transformation in a low-carbon steel	Prof. Shoichi Nambu	The University of Tokyo
09:30-09:55	Mechanical properties of medium-Mn steel according to globular or laminate morphology	Prof. Jeongho Han	Hanyang Univ.
09:55-10:20	Expression of irradiation characteristics of high-temperature superconductors by increasing local configuration entropy	Prof. Naoko Oono	Yokohama National Univ.
Break time (10:20-10:30)			
Session2 (Chair: Seok Su Sohn (Korea Univ.))			
10:30-10:55	Role of austenite stability on yield strength and fracture behavior in a dual-phase medium Mn steel	Prof. Yoon Uk Heo	POSTECH
10:55-11:20	Quantitative evaluation of dislocation density in as-quenched martensite with tetragonality by X-ray line profile analysis in a medium-carbon steel	Prof. Takuro Masumura	Kyushu Univ.
11:20-11:45	Atomic segregation effects on high strength and stress corrosion cracking resistant martensitic steels	Prof. Hyokyung Sung	Kookmin Univ.
Lunch (11:45-13:20)			
Session3 (Chair: Yoon Uk Heo (POSTECH))			
13:20-13:45	Recrystallization texture control by cross-rolling and subsequent annealing of pure iron	Prof. Toshio Ogawa	Nagoya Univ.
13:45-14:10	Microstructures-mechanical properties relationship for the partially recrystallized precipitation strengthened medium Mn steel	Prof. Jin Kyung Kim	Hanyang Univ.
14:10-14:35	Tensile properties and deformation behavior of ferrite and austenite duplex stainless steel at cryogenic temperatures	Prof. Norimitsu Koga	Kanazawa Univ.
Break time (14:35-14:45)			
Session4 (Chair: Jin Kyung Kim (Hanyang Univ.))			
14:45-15:10	Roles of as-quenched and deformation-induced martensite in hydrogen embrittlement for Fe-based metastable medium-entropy alloys	Prof. Seok Su Sohn	Korea Univ.
15:10-15:35	Characterization of local deformation and fracture behaviors in dual-phase steels with different ferrite grain sizes	Prof. Myeong-heom Park	Kyoto Univ.
15:35-16:00	Development of reduced activation ferritic-martensitic steel for fusion reactor and its weldability	Prof. Joonoh Moon	Changwon Univ.
16:00-16:05	Concluding Remark	Prof. Toshihiro Tsuchiyama	Kyushu Univ.