Program of 2nd China-Korea Symposium on Light Metals

Wednesday , August 21 2019			**Room 304 (3rd Floor)**
Conference Chairs	Yongqing Zhao	Northwest Institute for Nonferrous Metal Research	
	Bongsun You	Korea Institute of Materials Science	
Session 1	**Session Chairs**	Yongqing Zhao	Northwest Institute for Nonferrous Metal Research
		Bongsun You	Korea Institute of Materials Science
9:00-9:30	Development of aluminum sheet for automotive	Heon Kang, SeongNyeong Kim, NamHoon Koo	Hyundai steel
9:30-10:00	Sc solute partitioning on the microalloying effect and mechanical properties of Al-Cu alloys with minor Sc addition	Peng Zhang	Xi'an Jiaotong University
10:00-10:30	Thermal stabiity and transition behavior of nanoclsters in Al-Mg-Si alloys	JaeHwang Kim	Korea Institute of Industrial Technology
10:30-10:50 Tea Break			
10:50-11:20	Enhancing strength and ductility of Al-Si based casting alloy by synergizing non-equilibrium solidification and subsequent solid-state transformations	Yuzeng Chen	Northwestern Polytechnical University
11:20-11:50	Application of grain refinement technology to the fabrication of high strength Mg road wheel	Jun Ho Bae	Korea Institute of Materials Science
12:00-13:30 Lunch			
Session 2	**Session Chair**	Bin Jiang	Chongqing University
		Jae Hwang Kim	Korea Institute of Industrial Technology
13:30-14:00	High performance magnesium alloy plate and its novel process	Bin Jiang	Chongqing University
14:00-14:30	Investigation on the production of high-purity magnesium metal through electrolytic process using North Korean magnesite	Jungshin Kang1,2, Tae-Hyuk Lee1, Hyung-Kyu	1 Korea Institute of Geoscience and Mineral Resources 2 University of Science
14:30-15:00	Research on hydrogen-chromic magnesium-based thin films	Liming PEN	Shanghai Jiao Tong University

15:00-15:30	Improvement of Corrosion Resistantance of Magnesium Alloys	Bong Sun You1, Jong Il Kim1, Yu Hui2, Young Min Kim1	1Korea Institute of Materials Science 2Hebei University of Technology
15:30-15:50 Tea Break			
15:50-16:20	Preparation of metastable phases and phase transitions of Ti	Lei Li	Northwest Institute for Nonferrous Metal Research
16:20-16:50	Microstructure evolution of metastable β titanium alloy under different thermal-mechanical coupling processes	Jiangkun Fan	Northwestern Polytechnical University
16:50-17:20	Deformation of titanium and its alloys at cryogenic temperature	Tea-Sung Jun	Incheon National University
17:20-17:50	Investigation on the microstructure and mechanical properties of a near-alpha titanium alloy treated by laser shock peening	Weiju Jia	Northwest Institute for Nonferrous Metal Research
17:50-18:20	A novel self-lubricating MoS2-TiO2 nanocomposite PEO coating fabricated by in situ synthesized MoS2 for titanium alloy	Yongnan Chen	Changan University