

OS-9 Novel High-Strength Magnesium Alloys and Deformation Mechanism

Date/Time			Speaker	Tentative Title
July 16th	AM	9:00~9:10		Opening remark
		9:10~9:40	S. Kamado Nagaoka Univ. Tech	Development of High Strength Magnesium Alloys and Their Strengthening Mechanisms
		9:40~10:10	K.S. Shin Seoul Natl. Univ.	High Performance Magnesium Alloys via Microstructure and Texture Control
		10:10~10:40	Y. Kawamura Kumamoto Univ.	Development of High-Strength Mg-TM-RE Alloys with Long Period Stacking Ordered Structure
		10:40~11:00		Coffee Break
		11:00~11:30	E.H. Han IMR, China	Development of Advanced Magnesium Wrought Alloys and Their Properties
		11:30~11:55	A. Singh NIMS	Strengthening of Mg Alloys with Quasi-crystalline Particles
		11:55~13:00		Lunch
	PM	13:00~13:30	J. F. Nie Monash Univ.	Effects of Precipitate Shape, Orientation and Distribution on Strengthening in Magnesium Alloys
		13:30~14:00	J. Koike Tohoku Univ.	Deformation Mechanisms of Mg Alloys at Ambient Temperature
		14:00~14:25	S. Miura Hokkaido Univ.	Analysis of deformation twinning in single crystalline binary Mg alloys
		14:25~14:50	H. Miura Univ. Electro-Commu	Mechanisms of High-Temperature Deformation and Dynamic Recrystallization of Mg Single Crystals
		14:50~15:10		Coffee Break
		15:10~15:40	M.R. Barnett Deakin Univ.	EBSD Examination of the Deformation Modes active in Magnesium Alloys
		15:40~16:05	Y. Chino AIST	Improvement of Tensile Ductility and Stretch Formability of Magnesium by addition of 0.2 wt%Ce
		16:05~16:30	H. Somekawa NIMS	Strengthening and Toughening of Magnesium Alloy by Microstructure Controlling
		16:30~16:55		Panel Discussion
		16:55~17:00		Closing remark