

MRC International Symposium, MRC2015

March 2 - 4, 2015, Kumamoto University, Kumamoto, Japan

Organized by
Magnesium Research Center, Kumamoto University

Supported by
Japan Society for the Promotion of Science (JSPS)^{*1, *2} & Kyushu Magnesium Network

^{*1} Program for Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers

^{*2} Core-to-Core Program "Enhancement of Academic Network on Advanced Mg Alloys at Yellow Sea Rim Region for Competition with North America and Europe"

Technical Sessions Program

100th Anniversary Memorial Hall, Kumamoto University, March 3, 2015

Opening ceremony

9:30-9:40 Opening remarks / Prof. Yoshihito Kawamura

9:40-10:00 Prof. Kazuki Takashima,
"Development of international research network for magnesium at Kumamoto University"

Technical session 1 / Chairperson: Nack J. Kim & Marek Niewczas

10:00-10:30 Prof. Alexei Vinogradov, Togliatti State University, Russia
"Kinetics of twinning/detwinning in Mg alloys inferred from in-situ observations"

10:30-11:00 Prof. Bong-Sun You, KIMS, Korea
"Recent advances in non-flammable magnesium alloys"

11:00-11:30 Prof. Kwang Seon Shin, Seoul National Univ., Korea
"Development of High Performance Magnesium Alloys"

11:30-13:30 - Poster display & Lunch time -

Technical session 2 / Chairperson: Jian-Feng Nie & En-Hou Han

13:30-14:00 Prof. Nack J. Kim, POSTECH., Korea
"Deformation Behavior of Mg Alloys during Stretch Forming"

14:00-14:30 Prof. Woo-Jin Kim, Hongik Univ., Korea
"Hot compressive characteristics and superplasticity of Mg-Y-Zn(-Ca) alloys"

14:30-15:00 Prof. Gerardo Garces Plaza, CENIM-CSIC, Spain
"The use of in-situ diffraction experiment for the understanding of plasticity in multi-component magnesium alloys"

15:00-15:20 -Coffee Break-

Technical session 3 / Chairperson: Alexei Vinogradov & Kwang Seon Shin

15:20-15:50 Prof. Marek Niewczas, McMaster Univ. Canada
"Plasticity of FCC materials at low temperatures"

15:50-16:20 Prof. Jian-Feng Nie, Monash Univ. Australia
"Early Stages of Precipitation in Magnesium Alloys"

16:20-16:50 Prof. En-Hou Han, IMR-CAS, China
"Influence of Second Phases on Corrosion of Magnesium Alloys"

16:50-17:00 Closing remarks / Prof. Shinji Ando