

Boeing-KU Workshop on Advanced Mg Alloys

日 時: 2015 年 9 月 11 日(金) 13:30~17:00
場 所: 熊本大学 先進マグネシウム国際研究センター(MRC) 2 階 多目的ホール
主 催: 熊本大学 先進マグネシウム国際研究センター
共 催: 高性能 Mg 合金創成加工研究会
新学術領域研究「シンクロ型 LPSO 構造の材料科学」
定 員: 80 名 (申込先: mrc@kumamoto-u.ac.jp)

プログラム:

- 13:30 Opening Remarks
- 13:40 “Lightweight materials and manufacturing technologies that are critical to meeting future challenges in the aerospace industry”
Mr. Ricky L. Martin (Boeing Research & Technology)
- 14:10 “Strengthening mechanism of Mg-based synchronized LPSO structure”
Prof. Kenji Higashida (Kyushu Univ.)
- 14:30 “Structure characteristics and the phase stability of LPSO-Mg alloys”
Prof. Eiji Abe (The Univ. of Tokyo)
- 14:50 “Comparison of kink deformation with slip deformation of 18R LPSO alloy via *in-situ* neutron diffraction and AE detection”
Dr. Kazuya Aizawa (Japan Atomic Energy Agency)
- 15:30 “Microstructure and mechanical properties of Mg-Zn-Y-La-Al-Ca alloy with LPSO phase”
Prof. Jong-hyun Kim (MRC, Kumamoto Univ.)
- 15:50 “Assessment of deformation and fracture behavior in LPSO single crystals of Mg-Zn-Y alloy using micromechanical testing technique”
Prof. Kazuki Takashima (MRC, Kumamoto Univ.)
- 16:10 “Orientation dependence of deformation and fatigue behavior in magnesium single crystals”
Prof. Shinji Ando (MRC, Kumamoto Univ.)
- 16:30 “Crystal plasticity analysis of kinking in free-standing LPSO single crystals subjected to compressive loading”
Prof. Tsuyoshi Mayama (MRC, Kumamoto Univ.)
- 16:50 Closing Remarks