

Session Code	[06] WeK1
Session Title	Advances in Low Density Materials 1
Date and Time	Wednesday, October 6, 2021 / 10:00-11:15
Session Room	Room K (402)
Session Chair(s)	Si Young Chang (Korea Aerospace Univ., Korea)

[[06] WeK1-1] Keynote Talk **[Online] 10:00-10:30**

Ultrahigh Strength Mg-Y-Ni Alloys Containing Long Period Stacking Ordered (LPSO) Phase and γ' Phase

M. Y. Zheng, S. Z. Wu, X. G. Qiao (*Harbin Inst. of Tech., China*), X. H. Zhou, and H. G. Brokmeier (*Clausthal Univ. of Tech., Germany*)

[[06] WeK1-2] **10:30-10:45**

Effect of Al Concentration on Texture Evolution and Stretch Formability in AZXW Magnesium Alloys

Lichao Li (*Chungnam Nat'l Univ., Korea*), Yohan Go, Joung Sik Suh, Junho Bae, Byeong-Chan Suh, and Young Min Kim (*KIMS, Korea*)

[[06] WeK1-3] **10:45-11:00**

Investigation of Grain Refinement Technology of Cast Mg Alloys for Industrial Application

Jun Ho Bae, Young Hoon Moon, Bong Sun You, Joung Sik Suh, Byeong Chan Suh, and Byung Gi Moon (*KIMS, Korea*)

[[06] WeK1-4] **[Online] 11:00-11:15**

Effect of Alloying Elements on Stretch Formability and Cup-Drawability in Mg-Zn Alloy Sheets

Ying Ma, Joung Sik Suh, Young Min Kim, Jae-Wook Kang, Jun Ho Bae, and Byeong-Chan Suh (*KIMS, Korea*)