

[TS05T3]**Nanomaterials for Extreme Environments and Applications 3**

Date & Time	July 4(Thu.), 2024 / 09:00-10:30
Place	Room 207
Session Chair(s)	Seok-Woo Lee (Univ. of Connecticut)

TS05T3_I_1 *Invited 09:00-09:30**Liquid Metal Dealloying: A New Metallurgical Method Utilizing Unmixing Properties**

Hidemi Kato

*(Tohoku University)***TS05T3_I_2 *Invited 09:30-10:00****Thermoplastic Forming of Zr-Based Metallic Glasses including Gas Pressure Molding and Nanoimprinting Lithography**Young-Sang Na¹, Sang-Tae Woo^{1,2}, Ka-Ram Lim¹, and Young-Kyun Kim¹*(¹KIMS, ²Pusan National University)***TS05T3_O_3 10:00-10:15****Influence of Joining Conditions on the Strength of Fe-Mg Joints Achieved by Dealloying Reaction**

Kota Kurabayashi, Takeshi Wada, and Hidemi Kato

*(Tohoku University)***TS05T3_O_4 10:15-10:30****Amorphization of Si-Ge by Non-Equilibrium Eutectic Reaction in a Liquid Quenched Al-Si-Ge Alloy**

Rui Yamada, Yuta Konno, Junpei. T. Okada, Takeshi Wada, and Hidemi Kato

(Tohoku University)