

LPSO/MFS2022

Best Poster Awards

Researchers: 3 presentations

Yukiko Ogawa (National Institute for Materials Science)

“Development of hcp/bcc layered structure in Mg-Sc alloy and kink formation by compression”

Yohei Sato (IMRAM, Tohoku University)

“Electronic structure of Mg-Zn-Y cluster in dilute Mg alloys studied by STEM-EELS”

Takao Tsumuraya (Kumamoto University)

“First-Principles Study on the Electronic Origin of Phase Stability in Mg-Zn-Y alloys with a Long-Period Stacking Order”

Students: 8 presentations

Ayami Yoshida (Kumamoto University)

“The Effect of Hot Rolling on Kink Formation in the MFS-type Mg-0.4Zn-1.0Y Alloy”

Junyu Zhu (University of Tokyo)

“Numerical Investigation of the Microstructural Features Favoring Kink Band in Layered α/β Ti-9Cr Alloy”

Naoki Amemiya (University of Tokyo)

“Deformed microstructure in LPSO-type magnesium alloys exhibiting PLC effect”

Ryutaro Matsumura (Tokyo Institute of Technology)

“Elastic energy of disclination multipole formed at intersection of kink band and shear band”

Xueyu Zhang (Tokyo Institute of Technology)

“Stable Shape of Curved Ridge-Kink Consisting of a Sequence of Fine Kink-bands”

Konatsu Yamada (Hokkaido University of Science)

“Deformation Behavior of Nb₂Co₇ as Crystal-Structure-Based Mille-feuille Structured Material”

Yuta Aoki (University of Tokyo)

“Fabrication of Al₂O₃-GAP eutectic ceramics with fine anisotropic microstructure by flash event and deformation behavior”

Yaeko Kokuryo (Kyoto Institute of Technology)

“Changes in the Elastomeric Mechanical Properties of Lamellae-Forming Block Copolymer Specimens by Introduction of Kink”

