



1100 – Atomistic, Nano and Micro Mechanics of Materials

[MS1110] Frontier in nano-scale graphene and AI-assisted design of graphene-like architect materials

Organizers: Zhao Qin, Chi-Hua Yu

[\[661\] Strain-induced Change of Adsorption Behaviour of Gas Molecules on Graphene: A first-principles Study](#)

OMeng YIN¹, Ken SUZUKI¹, Hideo MIURA¹ (1.Tohoku University)

[\[1658\] Theoretical study on strain-controllable electron transport properties of dumbbell-shape graphene nanoribbon](#)

OKen Suzuki¹, Qinqiang Zhang, Hideo Miura (1.Tohoku University)

MS0108 Recent advances in computational modeling of damage and fracture

1531 Molecular dynamics Analysis on the degradation of the crystallinity of a grain boundary under creep loading at elevated temperature.

Shogo Tezuka, Shujiro Suzuki, Ken Suzuki, Hideo Miura