ASME® 2020 IMECE®

International Mechanical Engineering Congress & Exposition®

VIRTUAL CONFERENCE
Nov 16–19, 2020

ASME

Nov. 16

Chongzhe Gu : Damage Mechanism of the Acceleration of Intergranular Cracking of Stainless Steel SUS316LN Under Creep Loading at Elevated Temperatures

Ryo Kikuchi : Molecular Dynamics Analysis of the Acceleration of Intergranular Cracking of Ni-Base Superalloy Caused by Accumulation of Vacancies and Dislocations Around Grain Boundaries

Kenta Ishihara : Acceleration of Grain Boundary Cracking in Ni-Base Alloy 617 Under Creep-Fatigue Loading at 800°C

Nov. 17

Xiangyu Qiao : Development of a Strain-Controlled Graphene-Based Highly Sensitive Gas Sensor

Nov. 18

Qinqiang Zhang : A First Principle Study of Strain-induced Localized Electronic Properties of Dumbbell-shape Graphene Nanoribbon for Highly Sensitive Strain Sensors

Genta Nakauchi : Microtexture Dependence of Mechanical and Electrical Properties of Gold Thin Films Used for Micro Bumps of 3D Stacking Structures

Ken Suzuki : Crystallinity Dependence of Grain and Grain Boundary Strength of a Bicrystal Structure of Copper

Nov. 19

Hideo Miura : Degradation of the Strength of a Grain Boundary of Ni-Base Superalloys Under Creep-Fatigue Loading at Elevated Temperature

Shin Kasama : Non-Destructive Evaluation of the Degradation of Ni-Base Superalloy in the Air by Reflectance Spectrum Analysis

Yifan Luo : Quantitative Evaluation of the Dominant Factors of Intergranular Cracking of Ni-Base Superalloys Under Creep-Fatigue Loadings at Elevated Temperature