

Tuesday May 13 – 8:40 → 10:20

Deformation and Damage Mechanisms I: Creep

Chairmen : P. Caron & N. Jones

8:40 - Creep Behavior of Thin-Walled Specimens - Experiment and Modelling

Uwe Glatzel¹, Matthias Bensch¹, Rainer Völkl¹, Ernst Affeldt², Niels Warnken³, Atsushi Sato³, Roger C. Reed⁴

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9:00 - Modelling of Dislocation Propagation during Creep of Single Crystal Ni-Base Superalloys

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9:20 - 3D Electron Tomography of Dislocation Substructures which Form during High Temperature and Low stress Creep of a Single Crystal Ni-Base Superalloy

Aleksander Kostka¹, Günther Eggeler²

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9:40 - Dislocations in a Ni-Based Superalloy during High Temperature Creep Deformation

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10:20 - Deformation and Damage Micromechanisms during High Temperature Notched Creep of a Ni-Based Single Crystal Superalloy

Florence Pettinari-Sturmel¹, Muriel Hantcherli¹, Patrick Villechaise², Joel Douin¹, Jonathan Cormier², Zéline Hervier³

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