

Poster Session 08: December 6, 2005

Multiscale Modeling - II, Fundamentals of Radiation Effects - II, He and H Effects - I, Ferritic Steels – II, Vanadium and Refractory Metals – II, ITER TBM, Fission Reactor Experience, Blanket Engineering – II

<u>No.</u>	<u>Paper ID and Title</u>
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08.2	51073 - “Atomistic Modeling of Self-Interstitial Dislocation Loops in Fe-Cr Alloys” Presenting Author: J. Shim Coauthors: B. Wirth
08.3	63623 - “The role of stacking fault energy in the MD simulations of irradiationinduced defects in Ni” Presenting Author: Z. Yao Coauthors: M. Caturla R. Schaeublin
08.4	65341 - “Image Simulations of Small Dislocation Loops Based on the Howie-Basinski Equations ” Presenting Author: M. Jenkins Coauthors: Z. Zhou S. Dudarev M. Jenkins A. Sutton M. Kirk
08.5	70306 - “Atomic-scale dynamics of dislocation interaction with vacancy agglomerates in neutron irradiated bcc iron” Presenting Author: Y. Osetsky Coauthors: D. Bacon B. Singh
08.6	80218 - “The Effects of Irradiation on the Deformation of Cu: A Comparison between Dislocation Dynamics Modeling and Experiments” Presenting Author: M. Wen Coauthors: Z. Wang N. Ghoniem B. Singh
08.7	80677 - “Molecular Dynamics Study of Influence of Helium Bombardment on Carbon Nanocluster Structure Evolution” Presenting Author: A. Ilyin Coauthors:
08.8	82764 - “First-principles calculation of vacancy-solute element interaction in bcc iron” Presenting Author: T. Ohnuma

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- 08.10 84663 - "Modeling of Sub-cascade Formation in Irradiated Materials by Fast Neutrons with "
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- 08.13 88794 - "Molecular Dynamics Simulations study of hydrogen isotopic effects in amorphous Silica using an empirical potential"
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- 08.14 44358 - "A Microstructure Evolution Model for Helium Bubbles in ITER Tungsten Divertor Plates."
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- 08.17 51561 - "Application of Positron Beam Doppler Broadening Technique to Ion Beam Irradiation "
Presenting Author: T. Iwai
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