

Applying Quantum Mechanics to Alloy Design for Nuclear Reactor Steels

Wednesday 05 June 2013

The 4th Workshop on Nuclear Fe Alloys: Modelling and Experiments (n-FAME) and 22nd Workshop on Fe-Cr Alloys: Day 2 - CSEC Seminar Room 3808 (08:30-17:00)

time	[id] title	presenter
08:30	Tea Coffee	
09:00	[31] A mystery of dissipative motion of radiation defects and dislocations	DUDAREV, Sergei
09:30	[32] Diffusion of point defects and SIA clusters in dilute Fe-Ni alloys	SERRA, Anna
10:00	[33] Modelling of Dislocation Bias in FCC Materials	CHANG, Zhongwen
10:30	[34] Modelling of phase diagrams of iron alloys	LAVRENTIEV, Mikhail
11:00	Tea/Coffee	
11:30	[35] HPC Issues for DFT Calculations	JACKSON, Adrian
12:00	[36] Modelling of Vacancy-Mediated Diffusion in bcc Iron-Based Dilute Alloys	OLSSON, Pär
12:30	[37] First-principles modelling of phase stability in ternary Fe-Cr-Ni alloys	NGUYEN-MANH, Duc
13:00	Lunch	
14:00	[38] Object kinetic Monte Carlo for concentrated alloys	CATURLA, Maria-Jose
14:30	[39] Processing ODS steels and microstructure characterization	ZHANG, Hongtao
15:00	[40] Characterization of He implanted Eurofer97	CARVALHO, Inês
15:30	Tea/Coffee	
16:00	[41] Ab initio study of transition metal solutes in austenite	HEPBURN, Derek
16:30	[42] Microstructural modelling of hydrogen transport in polycrystalline materials	JOTHI, Sathiskumar