



INTERDISCIPLINARY CENTRE FOR
ADVANCED MATERIALS SIMULATION

ICAMS Special Seminar

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ICAMS seminar room 0.07

Computational material science in Nippon Steel & Sumitomo Metal Corporation

In recent years, the computational material science has been gaining importance in our company, because the control from microscopic level is necessary to satisfy costumers' demands, for example strength, toughness, durability, formability, weldability and so on. In the computational materials science the connection from microscopic to macroscopic levels of simulation is important for accurate and systematic study.

Today, I would like to talk about our activities including an example of connection of different levels of simulation. The topics of my talk are (1) grain boundary embrittlement in Fe-Ni-S alloy and (2) interface between iron and precipitate.