



3:00-4:00pm, Friday, October 14th, 2016
Frank H. Walk Design Presentation Room

by Yanwen Zhang*

Performance enhancement of structural materials in extreme radiation environments has been actively investigated for many decades. In sharp contrast to the traditional alloys, recently developed single-phase concentrated solid-solutions (CSCs) contain multiple elements in atomic or high concentrations with different elements randomly arranged on a crystalline lattice. Due to the lack of elemental predictability in these CSCs, they exhibit significant chemical disordering.