

Luis Sandoval, Postdoctoral Researcher Los Alamos National Laboratory



Bio: **Luis Sandoval** is a Postdoctoral Researcher at Los Alamos National Laboratory, working in the Art Voter's group. Luis got a B.Sc.(2001) and a M.Sc.(2006) in Physics from the National University of Colombia, and a PhD (Dr.rer.nat, 2009) in Physics from the University of Kaiserslautern at Germany. His research has been mainly focused on material science problems by using an atomistic modeling approach. Luis has studied deformation processes in metals (solid-solid phase transformations, and nucleation and growth of deformation twins), crystallization process from amorphous phases, and radiation damage problems. Currently he is part of the SciDAC PSI (Plasma-Surface interactions) team led by Brian Wirth (ORNL), working on the simulation of nucleation and growth processes of Helium bubbles in Tungsten at experimental time scales, via accelerated molecular dynamics, having as motivation the expected damage on the divertor in the ITER fusion reactor.