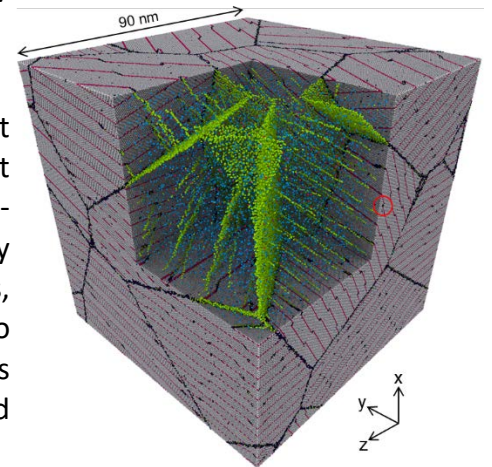# Ph.D. POSITION

**in Computational Atomistic Modeling of Nanostructured Metallic Alloys
at the University of Vermont (USA)**

Applications are invited for a doctoral research position in the Department of Mechanical Engineering to begin immediately. The successful student will work together with Prof. Frederic Sansoz on US Department of Energy-funded projects related to atomistic simulations of grain-boundary segregation and shear localization mechanisms in nanocrystalline alloys, with a focus on new machine-learning interatomic potentials, ab-initio calculations (VASP), large-scale Monte-Carlo and Molecular Dynamics (LAMMPS) simulations. Applicants must have earned a MS degree and meet minimum GPA/GRE/TOEFL requirements for Ph.D. level admission.

Interested candidates should send a CV with publication list, a short description of research interests, a course transcript and names of three references from previous research positions, by email to:

frederic.sansoz@uvm.edu

Review of applications will begin immediately

and continue until a suitable candidate is

found. More information about the Sansoz

group at UVM can be found at:

http://www.uvm.edu/~fsansoz

About UVM: Founded in 1791, UVM has been called one of the "public ivies" and is consistently ranked as one of the top public universities in the United States. The University is located in Burlington, Vermont, also rated as one of the best small cities in America. The greater Burlington area has a population of about 200,000 and enjoys a panoramic setting on the shores of Lake Champlain, between the Green Mountains of Vermont and the Adirondack Mountains of New York. Burlington and the surrounding area provide an environment rich in cultural and recreational activities for individuals and families.