Post-doc opening

Area: Microstructure evolution of advanced alloys under external stimuli

Starting date: Summer 2015

Brief description of duties:

The main focus of this position will be the microstructure characterization of advanced alloys under irradiation, mechanical stress, and temperature, three parameters of importance in a nuclear power reactor.

Candidates should hold Ph.D.s in Science or Engineering and have strong backgrounds in materials characterization (particularly electron microscopy).

The initial appointment will be made for 1 year, but will be renewable, upon satisfactory progress. The salary will be based on qualifications and experience. The starting date is negotiable, with a general preference for Summer 2015.

Interested candidates should send their CVs, lists of publications, PDFs of no more than three (3) representative publications and the names of two (2) references by email to Dr Djamel Kaoumi: kaoumi@engr.sc.edu

Application procedure: contact Dr Kaoumi at kaoumi@engr.sc.edu

Selection Criteria

Applicants should have:

1. A background or experience with materials characterization (especially T.E.M.)
2. A good ability/motivation for experimental work related to metals.
3. Ability to use or learn how to use Adobe Premier image/video editing software.
4. Ability to identify research objectives and complete research tasks within an agreed time-scale.
5. Good communication skills in English. Ability to write in English at a suitable standard for the preparation of publications.
6. Self-motivation and ability to meet agreed deadlines.
7. Ability to work effectively in a team and mentor students, and interact effectively with collaborators.
8. Willingness and ability to travel in order to work with collaborators.

For further discussion of the project, please contact Dr Kaoumi at kaoumi@engr.sc.edu