Industry sponsored PhD position available

The French-based Institut de Radioprotection et de Sûreté Nucléaire (IRSN) has sponsored a research partnership with the Particle Engineering Group to understand particle formation in aerosols generated by potential accidents in nuclear power installations for purposes of radiological emergency management. This project fully supports a position for PhD studies.

The position will emphasize both experimental and theoretical work. Evaporation and particle formation processes will be studied using an existing model system, a microdroplet chain, probed by imaging means. The final dried microparticles will be examined using ultramicroscopy techniques available at the National Institute for Nanotechnology. Theoretical work will consist of data analysis and interpretation. Students with previous experience and interest in experimental work or with exceptional practical skills are encouraged to apply. The successful candidate must be willing to travel to and work in France for part of the thesis project. French language proficiency is therefore an asset but not strictly required.

Interested candidates should supply a one-page statement of intent and a complete resume by email. The support level for this position is competitive. Possible start dates are May 2017 or September 2017.

The minimum GPA requirement for this position is 3.5 or equivalent. All students who are not native English speakers, regardless of the language of instruction in their institution, need to provide a language proficiency score that exceeds TOEFL iBT: 100, TOEFL paper based: 600 or IELTS: 7.5. Applicants without, or with lower, language proficiency scores will be considered only under exceptional circumstances.

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