Short-term visitor position open for e-Murray: Modelling urban evacuations caused by wildfire disasters.

We are looking for a short-term visitor (undergraduate or graduate students included) to work for 6 months at Imperial College London on e-Murray. e-Murray is a project recently funded by NIST where Fire Protection Research Foundation, Lund University, Imperial College and NRC Canada will jointly study how to simulate urban evacuations by the combination of computational models for fire spread, traffic flows and pedestrian movement.

Triggered by the recent emergency evacuation of the tens of thousands of citizens of Fort McMurray in Alberta, Canada, when they were suddenly threatened by a large wildfire, e-Murray wants to contribute to build more resilient communities. e-Murray seeks to build a novel computational simulation toolkit that will aid in the planning, preparation and training of a community near wildland when attacked by possible fires.

The specific task for the short-term visitor at Imperial would be to help in assessing the suitability of existing wildfire spread models for coupling to models of traffic flows and pedestrian movement. Accommodation for 6 months and travel expenses will be covered.

The candidate will have a background and proven expertise in physics, mathematics and computational modelling. Additional expertise in fire dynamics and in wildfires is not a requirement but will be considered very favourably. Undergraduate or graduate students looking to work on e-Murray as part of their final year project will be considered too. Interested candidates must send their full CV to Dr Guillermo Rein (g.rein@imperial.ac.uk) before October 1st, 2016. Please include a cover letter than explains why you are interested in contributing to e-Murray, and the names of two people who have agreed to provide reference letters.

Thank you,
Amanda

Amanda Kimball, P.E.
Senior Project Manager

Fire Protection Research Foundation
1 Batterymarch Park, Quincy, MA USA 02169-7471
617.984.7295
akimball@nfpa.org
www.nfpa.org/Foundation