Opportunities of Interest

Two Graduate Assistantships at the Dept. Mechanical and Civil Engineering

Two graduate assistantships are available at Florida Tech under the supervision of Professor Jean-Paul Pinelli in the Mechanical and Civil Engineering Department. The assistantships shall cover a competitive stipend and tuition remission for the duration of a doctoral program. The successful candidate should have a Master’s in Civil/Structural Engineering, and have good programming skills (especially in Python and MATLAB). They shall be working within an interdisciplinary team in hurricane risk modelling. The research topics include: (i) Wind vulnerability model of residential buildings, including the effects of trees, (ii) Wind vulnerability models of industrial structures (pipe-racks and the like), (iii) Validation and calibration of catastrophe wind models, and (iv) Quantification of the uncertainty in catastrophe wind models. Candidates with a PhD and a background in catastrophe risk modelling could be considered for a post-doc position as well. The positions are available right away for fall 2023 or sooner. For enquiries, please contact Dr. Jean-Paul Pinelli (pinelli@fit.edu).

Postdoctoral Research Fellowship in the Area of Wildland Fire Modelling

The Social & Economic Analysis Branch of the US Geological Survey in Fort Collins, CO, is looking for a postdoctoral research fellow to contribute wildland fire modelling expertise to a collaboration between USGS and the Department of Defense to advance wildfire, carbon, and greenhouse gas science and technology capacity. The preferred candidate will have demonstrated experience with developing advanced wildland fire models (e.g., Wildland-Urban Interface Fire Dynamics Simulator (WFDS)); working with federal land management agencies to assess wildfire risk; and communicating scientific results verbally and in writing. The fellow must have: (i) a PhD in forest science or closely related interdisciplinary field in the context of fire behaviour modelling, risk-based decision-making, or natural resource management, and (ii) demonstrated experience with utilising and evaluating wildland fire models. This is a full-time position with a start date in summer 2023. For applications, please submit the following to James Meldrum (jmeldrum@usgs.gov), (i) a cover letter; (ii) a writing sample, and (iii) your CV.

IDRiM Journal Latest Releases

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- Impact of Climate Change and Land Use Change on Coastal Areas: A Case Study Thane, India (S. S. Pujari; and A. S. Wayal)
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If you need more information or would like to submit content for the next Bimonthly News Bulletin, feel free to contact: Dimitrios TZIOUTZIOS (He/Him) [dimitziou@gmail.com].