



# NEWS BULLETIN

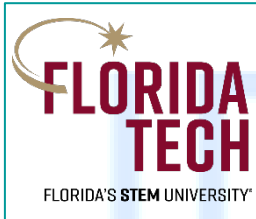
Mar-Apr 2023

International Society for  
Integrated Disaster Risk Management

## Opportunities of Interest

### Two Graduate Assistantships at the Dept. Mechanical and Civil Engineering

(Fall 2023; Florida Tech, US)



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](mailto:pinelli@fit.edu)).

<https://www.fit.edu/faculty-profiles/p/pinelli-jean-paul>

### Postdoctoral Research Fellowship in the Area of Wildland Fire Modelling

(Summer 2023; USGS, US)

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](mailto:jmeldrum@usgs.gov)), (i) a cover letter; (ii) a writing sample, and (iii) your CV.

<https://www.usgs.gov/centers/fort-collins-science-center/science/social-and-economic-analysis>



## IDRiM Journal Latest Releases

### Volume 12: Issue 2

(regular issue, ongoing)

- ❖ **The Potential and Roles of Ethnic Minorities in Disaster Risk Reduction: IDRiM2022 Conference Session Report on Muslim Communities in Japan** (H. Kotani; M. Tamura; Y. Katsura; and M. Moinuddin)
- ❖ **Impact of Climate Change and Land Use Change on Coastal Areas: A Case Study Thane, India** (S. S. Pujari; and A. S. Wayal)
- ❖ **Consensus of Local Knowledge on landslide Hazard in Depopulated Mountain Communities in Japan – A Case Study on Matsunoyama Village** (U. Dasanayaka; and Y. Matsuda)

### [Our IDRiM Journal is accepting submissions!](#)

<https://www.idrimjournal.com>

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