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Postdoctoral Fellow: Ground Motion Modelling for Seismic Hazard Analysis

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a postdoctoral position from motivated individuals interested in “Ground Motion Modelling for Seismic Hazard Analysis” for a research project funded by IIT Gandhinagar.

Job Description:

The Postdoctoral Fellow is expected to work on investigating the source, path and site characteristics of recorded earthquake ground motion using theoretical as well as the statistical tools. The major focus would be on developing physical/statistical models to improve the ground motion models for seismic hazard analysis in the country. The models include investigating different source models, attenuation characteristics in India and adjoining regions. Also, estimation of site-effects numerically, empirically using various seismic techniques. This includes proper understanding and calibration of aleatory and epistemic uncertainty in ground motion prediction.

Eligibility:

Ph.D. in Geophysics/Seismology/Civil Engineering/Structural Engineering from reputed institutes with good scientific publication record. Candidates with thesis work broadly related to engineering seismology/seismic hazard analysis are strongly encouraged to apply. Candidates who have submitted their thesis are equally eligible for the position.

Duration: Initial appointment is for 1 year, extendable up to 1 year based upon performance.

Remuneration: 50,000 INR per month.

Deadline for Application: July 15, 2019

Application Procedure:

Candidates must send their applications **via e-mail** to Prof. Sanjay Singh Bora (sbora@iitgn.ac.in). The following documents must be sent as a **single pdf file** attachment with the email:

1. Current CV with the list of publications.
2. One-page summary of previous research work.
3. One page on future research plans at IIT Gandhinagar.
4. Name and address of 3 potential referees.

Queries must be directed to Prof. Sanjay Singh Bora sbora@iitgn.ac.in.