

Postdoctoral Position in Remote Sensing (InSAR and GNSS), Lamont-Doherty Earth Observatory of Columbia University

The Lamont-Doherty Earth Observatory of Columbia University invites applications for a Postdoctoral Research Scientist in Remote Sensing. The successful candidate will design and implement research using InSAR and GNSS within recently funded NASA project to study the IndoBurma Subduction Zone (IBSZ). The project will use both Sentinel-1 and ALOS-2 satellite data, along with GNSS, to determine horizontal and vertical deformation rates. Candidates should have a PhD in Earth Science or a related field and experience processing and analyzing Interferometric Synthetic Aperture Radar. Experience with processing GNSS data and/or integrating InSAR and GNSS data a plus. The IBSZ is an entirely subaerial plate boundary with a large, actively deforming accretionary prism partially buried by the Ganges-Brahmaputra Delta. Accurately assessing the long- and short-term dynamics of this vegetated region is critical for determining its earthquake hazard. Analysis and modeling of the results will be used to determine whether the subduction zone is locked, whether the anticlines of the foldbelt are actively deforming and whether strain is accumulating in the blind, buried portion of the foldbelt. The position will be based at the Lamont-Doherty Earth Observatory campus in Palisades, NY in the research group of Michael Steckler, while also collaborating with Eric Lindsey at the University of New Mexico, and the COMET group at the University of Leeds. The postdoc will also be part of a large, inclusive, and collaborative group working multiple tectonics and sedimentary processes in the region. There are also opportunities to collaborate with other groups at Lamont with an interest in InSAR.

The appointment will be for 1 year, with an expected second-year continuation, contingent on progress and funding.

The search will remain open for at least 30 days after the ad appears and will continue until the position is filled.

Columbia University benefits offered with this Officer of Research appointment.

For further information about this position and to submit your application, CV, statement of research interests, and the names and contact information of (3) references, please visit our application site at: <https://academic.careers.columbia.edu/#!/114877>

Columbia University is an Equal Opportunity/Affirmative Action employer --
Race/Gender/Disability/Veteran.

The Lamont campus values diversity and inclusion, and encourages applications from members of underrepresented minority groups.

We accept online applications only.