A post-doctoral position in the area of environmental remote sensing is available in the Department of Civil and Environmental Engineering at the Massachusetts Institute of Technology. The position is part of an NSF-funded collaborative project and will focus on detecting and estimating fine-grained changes in tropical forests mediated by both natural and man-made forces.

Requirements: A PhD in ecology, forestry, environmental science, or environmental engineering. Strong preparation in remote sensing or ecosystem dynamics is desirable. Applicants with a background and interest in the use of statistical inference and machine learning tools are especially encouraged to apply.

The post-doc will join a collaboration between Saurabh Amin, Dave Des Marais, Dara Entekhabi, and Charles Harvey and will be directly advised by one or two of the PIs, as appropriate for the post-doc’s interests and background. The broader project addresses illicit supply networks, particularly the timber trade, with a focus on using analytics and model-based tools to detect and disrupt illegal operations in these networks. In addition to addressing the central aims of the funded project, the researcher will have the opportunity to develop an independent research project related to the central aims of the program.

The host labs are in the Department of Civil and Environmental Engineering at MIT, located in Cambridge, MA. CEE at MIT comprises diverse research areas spanning sciences and engineering, with particular strengths in environmental life science, network science, systems engineering, and remote sensing. We are a community united in our pursuit of intellectual, creative, and technical excellence to make a better world. We care about the mental and physical health of our students, faculty, and staff of any age and background as a human priority before the nature or progress of their work. We value diversity in and inclusion of our students, post-docs, faculty and staff and appreciate their backgrounds and opinions. We believe that diversity in its many dimensions is critical for our Department to achieve its mission in education, research, and to best serve the nation and the world.

Please contact Prof. Des Marais (dldesmar@mit.edu) with questions regarding the project or the application process.

To apply, please submit an application at: https://careers.peopleclick.com/careerscp/client_mit/external/jobDetails/jobDetail.html?jobPostId=20778&localeCode=en-us

Additional details of the project can be found at https://www.nsf.gov/awardsearch/showAward?AWD_ID=2039771&HistoricalAwards=false