



香 港 大 學

THE UNIVERSITY OF HONG KONG

**Post-doctoral Fellow in Remote Sensing of Plant Ecology
in the Division of Ecology and Biodiversity**

Applications are invited for appointment as a **Post-doctoral Fellow in Remote Sensing of Plant Ecology in the Division of Ecology and Biodiversity**, to commence on **June 1, 2021** or as soon as possible thereafter for one year, with possibility of additional 2-year extension, subject to satisfactory performance and funding availability.

Applicants should have a Ph.D. in Remote Sensing, Geography, Earth Sciences, or a closely related field. S/he should be fluent in written and spoken English. Research background in remote sensing, GIS, machine learning, and process-based modeling is highly preferred. Strong quantitative and programming skills (e.g. Python, R, C, or Matlab) and prior experience in big data analytics are essential as the appointee will deal with a large amount of remote sensing data.

The appointee will work on developing an integration of multiple-scale remote sensing observations to advance the understanding of forest carbon stock and growth across the successional gradients. Specifically, s/he will (1) develop algorithms to assimilate field observations with multi-sources LiDAR remote sensing to enable accurate monitoring of forest carbon stock and net primary productivity (NPP), (2) explore the patterns and drivers of forest carbon stock and NPP along with forest successional gradients, and (3) develop process-based models to represent the remotely sensed patterns over large spatial (and temporal) scales. The appointee will be jointly supervised by Dr. Jin Wu (remote sensing expertise) and Dr. Billy Hau (plant ecology expertise), as well as a strong collaborative team with broad expertise in remote sensing, machine learning, and ecosystem modelling. For further information, please contact Dr. Jin Wu (email: jinwu@hku.hk), or visit <https://wu-jin.weebly.com>.

A highly competitive salary commensurate with qualification and experience will be offered, in addition to annual leave and medical benefits.

Applicants should send a completed application form together with an up-to-date C.V., a cover letter, and contact information of two references via email to Dr. Jin Wu at jinwu@hku.hk. Application form (341/1111) can be downloaded at <http://www.hr.hku.hk/apptunit/form-ext.doc>. Review of applications will start as soon as possible and continue until **May 1, 2021**, or until the post is filled, whichever is earlier.