

Multiple Research Staff Positions Open for SAR Satellite Retrieval Algorithm Development

Responsibilities: The Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology invites applications for multiple research staff positions from the rank of Research Assistant to Research Assistant/Associate Professor in Prof. Hui Su's lab to develop retrieval algorithms for a series of synthetic aperture radar (SAR) satellites. The candidates are expected to work with Prof. Hui Su to develop methods and algorithms for extracting application-focused information from SAR in the areas of land mapping, urban monitoring, forestry, agriculture, disaster assessment (such as earthquake, landslide, flooding, fire), ocean wave and winds, glaciology, and other fields. The candidates are expected to publish in peer-reviewed journals and present at the scientific meetings.

Qualifications: Candidates must have a PhD degree in remote sensing, GIS, signal and information processing, atmospheric science, oceanography, environmental science, or related scientific fields. Additional requirements include familiarity with satellite remote sensing theories, retrievals, and data products, proficiency in scientific programming with Python and/or Fortran, experiences in statistical data analysis, data visualization, excellent communication skills, and record of relevant peer-reviewed publications and presentations at major international scientific meetings and conferences.

The appointments are awarded for a minimum of one-year period and renewable contingent on satisfactory performance. Candidates shall submit the following documents to Prof. Hui Su at cehsu@ust.hk: CV, a cover letter and contact information of three references. We especially encourage applicants of underrepresented groups in the relevant fields. The position is open immediately until filled.