

## **Research Fellow Positions**

The GIS-Map Resource Unit of the Department of Geography, National University of Singapore invites applications for **three** research fellow positions.

We are looking for motivated team players who have good communication and organization skills and will be able to work independently. Proficiencies in English speaking and writing and programming skills in GIS and/or Remote Sensing environment are required.

The first appointment will be central to the project entitled “*Land-use land-cover change and its environmental consequences in Southeast Asia*”. We are seeking someone with a strong background in **remote sensing**, particularly with experience in soil moisture extraction, fire monitoring, and/or infectious disease modeling. Knowledge in ecosystem and/or hydrology is an advantage. Candidates **with PhD** in Geography, GeoInformatics, environmental science or a related field are preferred, but **with MS/MA will also be considered**.

The second appointment is available at the **Postdoctoral** level and will be central to the projected entitled “*Cyberinfrastructure for Environmental Sensing and Modeling*” funded by the Center for Environmental Sensing and Modeling (CENSAM) under the auspices of the Singapore-MIT Alliance for Research and Technology (SMART). Candidates should have experiences in spatiotemporal data modeling, geospatial interoperability standards, Web services and middleware architecture, and JAVA or C++. Experiences in the following additional areas are highly desirable: Wireless sensor network, hydrologic modeling, and/or ontology development. The successful applicant will be responsible for developing and implementing a spatiotemporal data model in a **cyberinfrastructure** environment to support integrated modeling and visualization within the CENSAM project.

The third appointment will be central to the project entitled “*Geospatial Literacy and Public Participatory Geographic Information Systems*”. Knowledge and skills in **Mobile/Internet GIS** are required; experience with PPGIS is advantageous. Candidates should have a **master degree** in GeoInformatics, Geography, environmental science or a related field. Candidates with a bachelor degree and extensive GIS experience will be considered. The successful applicant will provide technical support to spatial data handling and analysis of the project, specifically the customization and development of a mobile GIS system for field data collection.

To apply, please submit your full CV, a statement of research experience and interests, and two names of reference by 20 September 2008 electronically to:

Dr. Yi-Chen WANG ([geowyc@nus.edu.sg](mailto:geowyc@nus.edu.sg)) for the first position;  
Dr. Chen-Chieh FENG ([geofcc@nus.edu.sg](mailto:geofcc@nus.edu.sg)) for the second position;  
Dr. David HIGGITT ([geodlh@nus.edu.sg](mailto:geodlh@nus.edu.sg)) for the third position.

**Please use “Research Fellow Position” as the email subject for correspondence.**

Applicants must also arrange to have their two referees send letters of recommendation (both email AND hardcopy) directly to the contact person above. Letters via email need to arrive by 20 September 2008. Hardcopies please send to Department of Geography, National University of Singapore, 1 Arts Link, Singapore 117570.

Review of applications will begin immediately and will continue until the positions are filled. Shortlisted candidates will be phone-interviewed. The successful applicants are expected to join us no later than December 2008. Initial appointment will be for one year, but renewable. Salary is competitive and commensurate with qualifications and experience.