

Post-doctorate, post-graduate research opportunities in atmospheric science available in Nanyang Technological University (NTU), Singapore.

To apply: Applications should include a cover letter and a full CV/resume (including a list of publications), together with names and contact information of 3 references to Chee-Kiat Teo (ckteo@ntu.edu.sg).

1) **Postdoctoral Fellow, Urban Canyon and Boundary-Layer Modeling**

We are seeking suitable researcher with an interest in urban canyon and boundary-layer modeling of the Singapore environment. The selected candidate will be affiliated to the School of Physical and Mathematical Sciences (SPMS), NTU. The scope of research includes

- A survey and selection of LES models to simulate urban canyons and the atmospheric boundary layer in Singapore;
- Investigate the dynamics and tracer dispersion characteristics associated with urban canyons and various urban boundary conditions.

This work is part of five-year collaboration with the Center for Environmental Sensing and Modeling (CENSAM), established under the auspices of the Singapore-MIT Alliance for Research and Technology (SMART). The eventual aim is to enable interface with an ocean circulation model (FVCOM) and urban boundary-layer models under development for integrated modeling of Singapore's environment.

Job Requirements:

- PhD degree in meteorology or atmospheric science from universities of good international standing.
- Must be able to handle complex numerical computation.
- Experience with CFD modeling and knowledge of turbulence theories will be advantageous.

Career Track: The initial appointment will be for one year and is renewable.

2) **Research Associate/Research Scientist, Data Assimilation**

We are seeking suitable candidate for adapting data assimilation codes to a mesoscale NWP model (COAMPS) to assimilate Doppler radar wind and reflectivity data. He/She will also be assisting in the system administration of the research group's computational resources. Successful candidate will be affiliated to the Temasek Laboratories at NTU in Singapore.

Job Requirements:

- Degree in meteorology, atmospheric science physics or mathematics from universities of good international standing. A Master's or Bachelor's degree is required for the Research Associate position. For the Research Fellow position, a PhD degree is required.
- Must possess good programming skill in Fortran and have experience with LINUX OS.
- Competence with system administration will be advantageous.

Career Track: Initial appointment will be two or three years. Career advancement through promotion to higher grades of appointment is possible.

Other related research opportunities can be found at <http://www1.spms.ntu.edu.sg/~sunshine/WeatherWeb/html/job.html>.