

**Research Scientist / Senior Research Scientist (High-Resolution Ensemble Numerical Weather Prediction), Centre for Climate Research Singapore**

Appointments will be for a 2-year initial period with a prospect of a permanent position.

Deadline for applications: 9 Apr 2018

The Centre for Climate Research Singapore (CCRS) is the research arm of the Meteorological Service Singapore (MSS). Formally launched in 2013, the centre has three main research branches: Weather Modelling and Prediction (WMP), Climate Modelling and Prediction (CMP) and Applied Modelling (AMB). The centre's focus is on weather and climate research areas of importance to Singapore and the wider Southeast Asian region. The centre is well supported with a dedicated super-computer.

CCRS is expanding its efforts to develop state-of-the-art Numerical Weather Prediction (NWP) capabilities for operational prediction, as well as to become a regional centre of expertise in high-resolution NWP research and development. In addition to the in-house resources, we also have an extensive collaboration with the UK Met Office that is developing a high-resolution tropical forecast system.

We are seeking a highly motivated scientist with a strong background in meteorology, mathematics, physics or a related discipline to join the WMP team and be the CCRS lead for the high-resolution ensemble NWP. Ideally, the candidate will have experience with ensemble prediction systems. The specific job responsibilities of this position will include:

- Keeping abreast with the latest international developments in ensemble prediction techniques and strategies;
- Carrying out research to improve the quality of ensemble forecasts produced by the high-resolution 'SINGV' NWP system, for the benefit of Singaporean stakeholders;
- Performing diagnosis and verification of ensemble forecasts, in terms of relevant high-impact weather parameters, e.g. heavy rainfall, wind gusts, etc.;
- Providing scientific/technical advice to other team members on some work aspects to improve the effectiveness of the team;
- Presenting results at international meetings and publishing the research in peer-reviewed journals.

**Candidate Requirements:**

- A PhD in a relevant field such as meteorology, fluid dynamics, mathematics or physics;
- Experience with NWP research and development;
- Demonstrate ability to undertake research work both individually and as part of a team;
- Proficient in scientific computing;
- Proven record of success as demonstrated by publications in peer-reviewed journals;
- Good written and verbal presentation skills;
- Able to supervise and coach less experienced team members in conducting research projects (for Senior Research Scientists).

**Applications Details:**

Interested candidates are invited to apply online at [www.nea.gov.sg/careers](http://www.nea.gov.sg/careers) or the Singapore Public Service Job Portal at [www.careers.gov.sg](http://www.careers.gov.sg). Alternatively, you can submit your resume to [NEA MSS Contact@nea.gov.sg](mailto:NEA_MSS_Contact@nea.gov.sg).

Only shortlisted candidates will be notified.