

JOB DESCRIPTION

Vacancy reference:	SRF32767
Post Title:	Research Technician
Grade:	4
School/Department:	Meteorology, SMPCS
Reports to:	Professor Sue Grimmond
Responsible for:	N/A

Purpose

To participate in research urban meteorology projects. The main goal of the work will be to undertake model development, testing, application and evaluation for urban areas. The post will be based in the Department of Meteorology, University of Reading, UK but will involve working with others.

Main duties and responsibilities

- Regular analysis of data to ensure quality
- Identification, troubleshooting and fixing of problems
- Prepare data for use by group project members
- Responding to requests for data from members of the project team and others
- Contribute to collection and analysis of ancillary data (e.g. GIS information around study sites)
- Effectively communicate and collaborate with project partners to facilitate cross disciplinary research with international colleagues
- Contribute to the preparation of reports to achieve milestones and deliverables (conference presentations, materials for workshops, journal articles etc), often with tight deadlines, in collaboration with project partners

Supervision received

The post reports to Reading project leader Prof Sue Grimmond who will oversee the overall research. The post-holder will also benefit from support and guidance from other members of the research team.

Supervision given

Other members of Grimmond's research group will benefit from interaction and guidance from the post-holder.

Contact

In addition to the day to day contact with team members, academic and departmental staff, the post holder will liaise with a wide range of University departments (Finance, HR etc) and external bodies within the scope of this role. In particular this will include those involved in the other urban meteorology and climate projects, field sites in London, and other stakeholders in other cities (UK and internationally).

Terms and conditions

Full time and fixed term.

This document outlines the duties required for the time being of the post to indicate the level of responsibility. It is not a comprehensive or exhaustive list and the line manager may vary duties from time to time which do not change the general character of the job or the level of responsibility entailed.

The University aspires to be an “Employer of Choice” and recognises that success is not simply determined by a competitive suite of terms and conditions of service, but by fostering a working environment that protects the physical and mental well-being of its staff. Full details of the University's Health and Well-being policy are available from through the [HR website](#). The University is committed to work-life balance and supportive of flexible working arrangements, and the School's website gives examples of excellent practices in respect of [flexible work](#) as well as for [maternity/parental leave](#) within the School. The University supports its staff in many other ways:

- its Centre for Staff Training and Development (<http://www.reading.ac.uk/internal/cstd/>),
- its excellent Nursery facilities (<http://www.rusu.co.uk/intheunion/nursery/>),
- its SportsPark (<http://www.sport.reading.ac.uk/>),
- its membership of Childcare+ (<http://www.reading.ac.uk/internal/humanresources/>)



The School of Mathematical and Physical Sciences was awarded an Athena SWAN Silver award in 2014 in recognition of its good employment practices in relation to women working in science, engineering and technology (SET).

Please follow the link for more information: <http://www.athenaswan.org.uk/html/athena-swan/>

Date assessed: 5 may 2020

Person Specification

Job Title	School/Department
Research Technician	Meteorology/ SMPCS

Criteria	Essential	Desirable
Skills Required	<ul style="list-style-type: none"> • Excellent computing and data management skills • Good oral presentation skills • Excellent written English • Programming in R, MATLAB, Python, and/or Fortran • Familiar with meteorological instrumentation 	<ul style="list-style-type: none"> • Familiar with GIS software • Familiar with running WRF and/or the UM, or DART • Familiar with analysing climate model runs • Familiar with creating 3D models from GE
Attainment	<ul style="list-style-type: none"> • BSc/BA/BEng in a relevant discipline 	<ul style="list-style-type: none"> • Masters in a relevant discipline
Knowledge	<ul style="list-style-type: none"> • Familiarity with instrumentation, data processing and analysis 	<ul style="list-style-type: none"> • Familiarity with meteorological data • Familiarity with GIS or spatial data
Relevant Experience	<ul style="list-style-type: none"> • Data processing for meteorology, hydrology and/or environmental science 	<ul style="list-style-type: none"> • Installing and maintaining weather stations, scintillometers, IRT and other meteorological related instrumentation • Data processing for urban meteorology • Familiarity with wireless networks of instruments • Familiarity with data logging /software
Disposition	<ul style="list-style-type: none"> • Work well with others and independently • Good at problem-solving (e.g. instrument, programming problems) • Ability to communicate and work with project participants and stakeholders • Ability to keep others informed of the status of tasks and things that may require attention 	<ul style="list-style-type: none"> • Experience working in a group
Other	<ul style="list-style-type: none"> • Ability to travel to various sites and to work with instruments installed on the top of tall buildings • Ability to respond to instrument problems at odd times (e.g. weekends) 	<ul style="list-style-type: none"> • Clean drivers license

Completed by: Sue Grimmond	Date: 5 May 2020
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