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POSITION DESCRIPTION

Post-doctoral Fellow Bushfire Modelling

Faculty/Division	UNSW Canberra
Classification Level	Academic A
Hours & Span (Category)	ACADEMIC POSITION NO SPAN
Position number	TBA
Shiftwork status	NOT SHIFTWORKER
Allowances	N/A
On call arrangements	N/A
Original document creation	23 February 2024

Position Summary

A Research Fellow (Level A) to be located within the UNSW Canberra School of Science, conducting project research funded through the NSW Bushfire & Natural Hazards Research Centre. The School of Science consists of multiple disciplines, with Mathematics & Statistics being the focus of this position. Under the supervision of the project leader, the position will focus on research into dynamic bushfire propagation and extreme fire regimes within the broader contexts of climate change and Indigenous cultural land management.

In addition to the research, this position will also support related research activities, supervising students and offering research advice as required. Additional opportunities to assist with teaching related activities within the School of Science may be required.

The role of Research Fellow reports to the project leader and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Partake in high quality bushfire modelling research, for NSW Bushfire & Natural Hazards Research Centre.

- Publish in high quality peer reviewed scientific journals and other relevant publications.
- Prepare reports summarising results gained from research for industry partners.
- Participate in and/or present at conferences and/or workshops relevant to the project and Centre activities as required.
- Contribute to the preparation of research proposal submissions to external funding bodies.
- Engage in and undertake a range of administrative duties as required, and actively partake in meetings associated with their role.
- Support the dissemination of research outcomes through appropriate channels and outlets.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

- A PhD in Mathematics, Statistics, Atmospheric Science or similar discipline.
- Demonstrated ability to undertake high quality academic research involving modelling of physical and/or environmental systems.
- Demonstrated ability to publish high quality academic publications.
- Demonstrated ability to engage and work with industry is desirable.
- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Excellent interpersonal, oral and written communication skills appropriate for interacting effectively with team members, collaborators and colleagues across the Centre and Faculty.
- A demonstrated ability to complete tasks within agreed time frames, with suitable supervision.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

Pre-employment checks required for this position

- Verification of qualifications
- Criminal History Check
- Identification Check
- Australian Work Rights Check

About this document

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.

