

PhD opportunity

PhD: Monitoring fire risk using satellite microwave remote sensing [1]

Supervisors:

A) Dr. Marta Yebra, B) Prof. Albert Van Dijk, C) Dr. Geoff Cary The Australian National University

Soil surface wetness is continuously observed over Australia by satellites using passive microwave (e.g., SMOS, AMSR2) and radar instruments (e.g., ASCAT) as well as available from several models. They also provide information of fuel litter moisture content. This project will analyse which of these data can be used to improve application of operational fire danger rating systems such as the McArthur Forest Fire Danger index.


Project: detail Notabs

Research team

Linked Projects

Mapping bushfire hazard and impacts [2]

BUSHFIRE PREDICTIVE SERVICES [3]

 A/Prof Marta Yebra
Australian National University [4]



[4]

Send an enquiry

More information

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Postgraduate Scholarships Application Process

Bushfire and Natural Hazards CRC postgraduate scholarships are available for students pursuing research higher degrees in the bushfire research fields, in line with Bushfire and Natural Hazards CRC projects.

Both Full and Top Up scholarships and project support funding are available for outstanding students, with preference given to the provision of top up scholarships.

Current funding amounts are:

- Full Scholarships of up to \$28,000 per annum for three and a half years.
- Top Up scholarships of \$10,000 per annum for three and a half years to holders of Australian Postgraduate Awards (APA) and University Research Scholarships.

Bushfire & Natural Hazard CRC Scholarship Application Kit

You are welcome to submit enquiries using the form on this page. However, you must complete this form to make an application.

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Links

[1] <https://www.bnhcrc.com.au/research/bushfire-and-natural-hazard-risks/380> [2] <https://www.bnhcrc.com.au/research/bushfireimpacts> [3] <https://www.bnhcrc.com.au/research/cluster/bushfire-predictive-services> [4] <https://www.bnhcrc.com.au/organisations/anu> [5] <mailto:john.bates@bnhcrc.com.au> [6] https://www.bnhcrc.com.au/sites/default/files/general/bnhcrc_scholarship_application_kit.pdf