

Do you have what it takes for this exciting PhD?

$$PhD = \sum \left(\frac{\text{Whole farm system data} + \text{Spatial Information}}{\text{Ingenuity} + \text{Expert Systems}} \right)^2 \Rightarrow \int_{2007}^{\infty} \text{What it means to farmers}$$

PhD Scholarship

\$28,000 pa tax-free

University of New England (UNE) and CRC for Spatial Information

The Centre for Sustainable Farming Systems, UNE, seeks a motivated and qualified PhD candidate to research the question: "How can integrated spatial information improve decision making for mixed farmers?"

Although it is clear that spatial information captured by precision agriculture technologies has great potential to provide improved economic, environmental and social benefits, we need to better understand how farm decision making can be facilitated.

This project will seek to produce long-lasting outcomes relating to understanding how complex decision-making processes can be improved using spatial and other data, leading to an improved capacity for a farm manager to make decisions which take into account biophysical factors as well as environmental and financial consequences. The project will be focused primarily on the University's Douglas McMaster Research Farm at Warialda; it is expected that the candidate will be based in Armidale.

Substantial operating funds are available to support the project. In addition, the candidate will work closely with a range of leading commercial farming enterprises, a post-doctoral fellow and a technical officer.

It is anticipated that the research will lead to improved algorithms which will enable better utilisation of large quantities of spatial, economic and biophysical information thus improving decision making and risk management.

The successful candidate will need to be able to demonstrate excellent computing and/or mathematical and/or analytical skills as well as have an interest in and/or understanding of farming systems. Applicants must hold a Class 1 or 2A honours (or equivalent) degree in a suitable discipline, and be an Australian citizen or permanent resident of Australia. A valid driver's licence is also a necessary requirement.

Further information: contact Prof. Jim Scott at Jim.Scott@une.edu.au or 02-6773 2436.

You should send a letter outlining your suitability for the position, accompanied by a brief CV (including contact details of two referees) and a copy of your academic transcripts to Professor Jim Scott, Centre for Sustainable Farming Systems, University of New England, Armidale 2351 or Jim.Scott@une.edu.au or 02-6773 2436; the position will remain open until filled.