

Advertised in: *The Australian (HES) Wednesday, 30 July 2008*
International Notice Board Plus



THE UNIVERSITY OF
WESTERN AUSTRALIA

Achieving International Excellence

RESEARCH ASSOCIATE/RESEARCH FELLOW (REF: 2452)
Marine Based Recreation Modelling
[SCHOOL OF AGRICULTURAL AND RESOURCE ECONOMICS](#)

- 2 year appointment
- Salary range: Level A \$50,372 - \$68,358 p.a. (minimum starting salary for appointee with PhD will be \$63,682 p.a.)
- Salary range: Level B \$71,957 - \$85,450 p.a.
- Closing date: Friday, 12 September 2008

We are seeking to appoint a Research Associate or Research Fellow to work with a team of researchers undertaking economic research on recreational site choices for the Ningaloo region of Western Australia. The appointment is funded through a collaborative research grant from the Commonwealth Scientific and Industrial Research Organisation's (CSIRO) Wealth from Oceans Flagship program and will involve collaboration with researchers from other projects focusing on reef utilization and tourist destination choices. The principal responsibility of the appointee will be to develop an agent-based computer model for simulating recreational site choice based on econometric modelling results obtained by other project team members. **For further information regarding the position please contact Dr Atakelty Hailu on (08) 6488 2538 or email ahailu@cyllene.uwa.edu.au.**

APPLICATION DETAILS: The position description follows. Written applications quoting the reference number, personal contact details, qualifications and experience, along with contact details of three referees should be sent to Director, Human Resources, The University of Western Australia, M350, 35 Stirling Highway, Crawley WA 6009 or emailed to jobs@uwa.edu.au by the closing date.

Committed to recruiting, developing and retaining the highest quality staff

THE UNIVERSITY OF WESTERN AUSTRALIA
POSITION DESCRIPTION

POSITION IDENTIFICATION

Faculty:	Natural & Agricultural Sciences
School/Admin Department:	Agricultural & Resource Economics
Centre:	
Section:	
Position Number:	307768
Position Title:	Research Associate (Computer modelling of site choice for marine based recreation)
Position Classification:	Level A
Supervisor Title:	Dr Atakelty Hailu
Supervisor Position Number:	307299

ROLE STATEMENT

The University of Western Australia (UWA) is seeking to appoint a Research Associate to work with a team of researchers undertaking economic research on recreational site choices for the Ningaloo region of Western Australia. The appointment is funded through a collaborative research grant from the Commonwealth Scientific and Industrial Research Organisation (CSIRO)'s Wealth from Oceans Flagship program, and will involve collaboration with researchers from other projects focusing on reef utilization and tourist destination choices. The aim of the project is to develop and empirically estimate random utility models of site choice for fishing and other recreational activities, to develop agent-based computer models of site choice, and to evaluate the economic welfare impacts of environmental management strategies. The principal responsibility of the Research Associate is to develop an agent-based computer model of recreational site choice based on econometric modelling results obtained by other project team members. The model developed in our project will be used as a component in a regional level integrated biophysical and economic simulation framework for the evaluation of alternative management strategies.

KEY RESPONSIBILITIES

- Identify model requirements
- Design, develop and test an agent-based computer model for simulating recreational site choice
- Liaise with researchers in related projects and participate in the coordination of model development activities
- Use model to simulate the welfare impacts of changes in management strategies
- Write journal articles and research reports
- Other duties as directed

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Position Number:	307768
Position Title:	Research Associate (Computer modelling of site choice for marine based recreation)
Position Classification:	Level A
Supervisor Title:	Dr. Atakelty Hailu
Supervisor Position Number:	307299

SPECIFIC WORK CAPABILITIES (SELECTION CRITERIA): (Minimum requirements to perform the duties of the position, e.g. PhD).

A higher degree in a relevant field
Demonstrated personal commitment to scholarly research as well as research experience
Demonstrated skills in computer modelling
Experience with programming languages (e.g., C/C++, Java, SmallTalk)
Highly developed and effective interpersonal and communication skills
Object-oriented programming experience
Knowledge of multiple programming languages, especially C/C++ and Java
Ability to work in a team environment
Doctoral qualification in a relevant field

Positions directly supervised: 0	Number of positions for which responsible: 0
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POSITION DESCRIPTION

POSITION IDENTIFICATION

Faculty:	Natural & Agricultural Sciences
School/Admin Department:	Agricultural & Resource Economics
Position Number:	307768
Position Title:	Research Fellow (Computer modelling of site choice for marine based recreation)
Position Classification:	Level B
Supervisor Title:	Dr Atakelty Hailu
Supervisor Position Number:	307299

ROLE STATEMENT

The University of Western Australia (UWA) is seeking to appoint a Research Fellow to work with a team of researchers undertaking economic research on recreational site choices for the Ningaloo region of Western Australia. The appointment is funded through a collaborative research grant from the Commonwealth Scientific and Industrial Research Organisation (CSIRO)'s Wealth from Oceans Flagship program, and will involve collaboration with researchers from other projects focusing on reef utilization and tourist destination choices. The aim of the project is to develop and empirically estimate random utility models of site choice for fishing and other recreational activities, to develop agent-based computer models of site choice, and to evaluate the economic welfare impacts of environmental management strategies. The principal responsibility of the Research Fellow is to develop an agent-based computer model of recreational site choice based on econometric modelling results obtained by other project team members. The model developed in our project will be used as a component in a regional level integrated biophysical and economic simulation framework for the evaluation of alternative management strategies.

KEY RESPONSIBILITIES

- Organise the Agent-Based Modelling activities of the project
- Design, develop and test an agent-based computer model for simulating recreational site choice
- Liaise with researchers in related projects and participate in the coordination of model development activities
- Use model to simulate the welfare impacts of changes in management strategies
- Write journal articles and research reports
- Communicate research results to project partners and in workshops/conferences
- Coordinate project reporting activities

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Section:	
Position Number:	307768
Position Title:	Research Fellow (Computer modelling of site choice for marine based recreation)
Position Classification:	Level B
Supervisor Title:	Dr. Atakelty Hailu
Supervisor Position Number:	307299

SPECIFIC WORK CAPABILITIES (SELECTION CRITERIA): (Minimum requirements to perform the duties of the position, e.g. PhD).

A higher degree in a relevant field
Demonstrated personal commitment to scholarly research
Substantial research and publication experience
Demonstrated skills in computer modelling
High level of experience with programming languages, preferably C/C++ or Java
Highly developed and effective interpersonal and communication skills
Object-oriented programming experience
Knowledge of multiple programming languages, especially C/C++ and Java
Ability to work in a team environment
Experience with Agent-Based Modelling
Doctoral qualification in a relevant field

Positions directly supervised: 0	Number of positions for which responsible: 0
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PLEASE COMPLETE AND SUBMIT WITH YOUR APPLICATION.

PRIVACY AUTHORISATION

I _____ hereby authorise The University of Western Australia to contact the referees nominated by me below for the purpose of confirming my employment history, work skills and abilities and other information to assist in the assessment of my application for employment.

Signed

Date

Nominated Referees

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

The University of Western Australia will treat all information obtained in a strictly confidential manner and will not release any information to any other party unless authorisation to do so has been obtained from the applicant.