

ACADEMIC SELECTION CRITERIA

DEPARTMENT/UNIT: *School of Mathematics & Statistics* FACULTY: *Faculty of Science*

POSITION TITLE: *Research Fellow*

LEVEL: *A, Step 6*

CLASSIFICATION: *Research Only*

PURPOSE/RESPONSIBILITIES: *to participate in a research programme investigating the ARC funded project "Extracting macroscopic variables and their dynamics in multiscale systems with metastable states"*

ESSENTIAL FORMAL QUALIFICATIONS:

PhD or equivalent Postgraduate degree Honours degree Other (specify)

Detail: PhD in Mathematics or closely-related discipline (or close to completion).

ESSENTIAL SKILLS/TECHNIQUES:

PhD in Dynamical systems theory and/or ergodic theory with some computational skills.

Demonstrated ability to conduct high-quality research under limited supervision either independently or as part of a research team.

Good organizational and time-management skills and demonstrated ability to work to deadlines.

Excellent written and verbal communication skills.

ESSENTIAL EXPERIENCE:

Expertise in dynamical systems theory and/or ergodic theory with programming skills.

Published research as sole author or in collaboration.

Experience in publishing research and presenting scientific seminars.

ESSENTIAL OTHER:

- Knowledge of OHS (Occupational Health and Safety) principles
- Knowledge of EEO (Equal Opportunity) principles