Postdoctoral Research Fellowship
Discrete & Continuum Mechanics

Department of Mathematics and Statistics,
Faculty of Science, University of Melbourne

$63,451 - $68,109 p.a.* (Research Fellow Grade 1 Level A), or
$71,697 - $85,138 p.a.* (Research Fellow Grade 2 Level B)
Plus employer superannuation contributions (* Level of appointment will be dependent on experience.)

The key aim of this project is to use an innovative approach combining advanced particle-based simulation research, novel continuum micromechanical theory, and statistical mechanics to advance knowledge of the micromechanics and statistical mechanics of granular materials. A key aspect of this project is the development and implementation of a new breed of micromechanical continuum models with predictive capabilities for multiscale phenomena in the solid-liquid transition regime.

You will undertake the postdoctoral research fellowship as part of the Micromechanics of Granular Media group in the Department of Mathematics and Statistics at the University of Melbourne (http://www.mgm.ms.unimelb.edu.au). As the sole full-time research personnel on this project, you will be expected to play a major role in ensuring that the project proceeds in a timely fashion.

This position is provided jointly by the Australian Research Council (ARC) and the US Army Research Office. Specifically, the project is part of a collaborative effort with Professor Robert Behringer (Center for Nonlinear and Complex Systems at Duke University, USA).

REF.0017701
http://www.hr.unimelb.edu.au/careers/