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## Human Resources

## Recruitment Handbook

**SELECTION CRITERIA**

Use this form to define the selection criteria for an academic position at the University of Adelaide.

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| **POSITION DETAILS** |  |
| **School/Branch:** | School of Physics, Chemistry and Earth Sciences (PCES) |
| **Classification** | Postdoctoral Researcher Level A-Geomechanics and Carbon Storage Science |

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| **ESSENTIAL MINIMUM CRITERIA** |
| Level A   1. A completed or nearly completed PhD in structural geology, geomechanics, tectonics or geophysics. 2. An established record of scientific achievements in structural geology, geomechanics, tectonics or geophysics, including publications in international peer reviewed journals. 3. Demonstrated knowledge and outstanding interdisciplinary research skills related to shallow crustal deformation and geomechanics. 4. Fluency in written and spoken English, and excellent verbal and written communication skills including the ability to author technical and/or scientific writing and present work in conference and review meetings. 5. Interpersonal skills and ability to work as both an independent researcher and as a member of a diverse research team, collaborating toward goals, solving problems, and developing scientific ideas. 6. Strong potential to secure nationally competitive grants for research initiatives. |

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| **DESIRED CHARACTERISTICS** |
| 1. Experience in the interpretation and modelling of subsurface geomechanical and geophysical datasets. 2. Experience in the numerical modelling of shallow crustal deformation processes. 3. Experience of or familiarity with experimental rock mechanics and/or gas-water-rock interactions 4. Knowledge of the hydraulic properties of fault and fracture systems in relation to subsurface CO2 storage. 5. Ability to assist with the supervision of research students in the research area where required. 6. Ability to contribute to the preparation of research proposal submissions to funding bodies. 7. Ability to collaborate actively with industry, government and academic research partners. |
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| **APPROVALS – HEAD OF SCHOOL/BRANCH MANAGER** |
| Name:…………………………..Signature:……………………………. Date:… ……………….. |

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| **ACKNOWLEDGEMENT OF INCUMBENT** |
| I have read and understood the requirements of the position  Name:*(please print)………………………………………….*Signature:………………………………………….Date:……………………………….. |