

DAN SANDIFORD

PHD. CANDIDATE

Profile

I work with numerical models of the earth, including thermal convection in the mantle, plate motion and wave propagation.

Skills

Physical forward and inverse modelling

I use a range of community-driven software to model physical phenomena such as waves, fluids and heat flow.

Data science

Skills in data wrangling, time series analysis and spatial statistics / mapping.

Field work

Experience conducting managing long-term field work projects.

Written communication

Find my articles at <https://www.authorea.com/users/8456>

Education

Bachelor of Arts/Science, Monash University
Geology/History/Mathematics

2005-2010

Bachelor of Science, (Honours), University of Melbourne
Seismology

2012-2013

PhD, (Honours), University of Melbourne
Geophysics - Geodynamics

2014-

Technical

Python

R

Linux

Experience

IBM Research (Melbourne)

Intern - Natural Resource Management

2014-2015

Geological / geophysical support to IBM Research team

Australian Geophysical Observing System

Field/Laboratory Assistant

2012-2013

Seismometer installation, maintenance. Petrophysical core logging, thermal properties testing, experimental design, equipment maintenance, reports.

Melbourne Energy Institute

Research Assistant

2010-2012

Promoting energy research, production of web and print publications, organisation of public seminar series.
