Curriculum Vitae

Robert Myhill

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education

Current PhD Research Student at U. Cambridge

The Mechanisms of Deep Focus Earthquakes

Researching the causes of earthquakes at depths greater than 300 km through an integrated analysis of seismic distributions, focal mechanisms and *P-T* regimes within which these events occur. I aim to combine this analysis with previous work to elucidate aspects of the interaction between subducting plates and the upper-lower mantle boundary.
Advisors: Dan McKenzie and Keith Priestley.

2004-2008 MSci + BA Peterhouse, University of Cambridge, Class of 2008.
Natural Sciences (Physical; 4 years).
Part III: First Class. 1/36 in Class (Geological Sciences).
Part II: First Class. 1/39 in Class (Geological Sciences).
Part IB: First Class (Maths, Stratigraphic Geology, Mineralogy, Petrology).
Part IA: First Class (Geology, Maths, Physics, Chemistry).

selected grants and awards

2008 The Hugo de Balsham Prize for Exceptional Academic Distinction.
The Harkness Scholarship (first-placed Finalist in Geological Sciences, Cambridge University).
The Huppert Prize in Geophysics.
2007 The Henry Wilkinson Cookson Senior Scholarship in Natural Sciences.
The John Reekie Memorial Prize for the best geological fieldwork-based thesis submitted for the first degree at the Department of Earth Sciences.
2005-2008 Peterhouse College Prizes and Scholarships .
2004-2007 Departmental Field Mapping Prizes
(Arran, Sedbergh, Dorset and Cornwall, Greece).
2003 St. John Ambulance Grand Prior Award.

PUBLICATIONS AND PRESENTATIONS

Peer-reviewed journal articles

2010 R. Myhill, D. McKenzie, K. Priestley, "Clustering of deep focus earthquakes in the southwest Pacific".
Submitted to EPSL.

2008 R. Myhill, "Constraints on evolution of the Mesohellenic Ophiolite from sub-ophiolitic metamorphic rocks".
GSA Special Publication, accepted.

2008 A. Rassios, Y. Dilek, R. Myhill, D. Ghikas, A. Mpatsi, "Melange Formations beneath the Pindos Basin Ophiolites, Northern Greece: Evidence of an active, rapid decollement emplacement surface".
GSA Special Publication, accepted.

Presentations

2009 "Clustering of deep focus earthquakes in the southwest Pacific". *Poster presentation, AGU Fall Meeting.*

2009 "Faulting 300 kilometers down: The mystery of deep focus earthquakes". *Magdalene Parlour Talk.*
"Deep focus earthquakes". *First year PhD presentation.*

2008 "The significance of high temperature low pressure rocks beneath the Mesohellenic Ophiolite". *Poster presentation, IGME Field Symposium: Ophiolites 2008.*
IGME Field Symposium: Ophiolites 2008. *Field Guide.*
Köln undergraduate field trip to Greece. *1-day Guest Field Guide.*

RELEVANT EXPERIENCE

06/07-01/08 Masters Thesis at U. Cambridge. Metamorphic Development beneath the Mesohellenic Ophiolite. I obtained a high First (80%) for this project.
Advisor: Dr. Timothy Holland, Cambridge University.

06/06-01/07 Bachelors Thesis at U. Cambridge. Independent mapping project and industrial work experience: Vourinos, Northern Greece. I obtained the top First in the year for this project (80%).
Advisors: Dr. Alan Smith, Cambridge University and Dr. Anne Rassios, Greek Institute of Geology and Mineral Exploration (IGME).

07/05-08/05 Voluntary Worker, British Geological Survey. Paid appointment for part of a national environmental survey (The Tellus Project) completed in 2006.
Advisors: Louise Ander, Sean Quigley, Sophia Passmore (British Geological Survey).

2008-present Supervisions given in the following courses: *IA Geology; IB Hydrosphere, Tectonics and Structural Geology; II/III Essay Skills.*
Demonstrated in the following courses: *IB Tectonics and Structural Geology; II/III Tectonics, Seismology (partial).*
Field Demonstrator: *Ketton (IA), Arran (IA), Sedbergh (IB).*

2005-present 250+ days fieldwork experience (as of 01/10/09) as demonstrator, field guide, employee, researcher and student.
(Locations include: Ireland, Iceland, Greece, Dorset, Cornwall, Sedbergh, and the Isles of Arran and Skye.)

OTHER EXPERIENCE

2010-2011	Treasurer, Magdalene Middle Common Room. Duties Coordinator, Cambridge LINKS (St. John Ambulance).
2006-2008	Vice President and President; Sedgwick Club (Geological Society of the University of Cambridge).
2005-2008	Divisional Secretary, Chairman and Treasurer; Cambridge University Association Football League.
2006-2007	Time Truck (Cambridge Geological Outreach) Committee Member.
2005-present	Volunteer for Time Truck. Team Member of Science and Engineering Experiments for Kids, Cambridge: Science Outreach for local schools.

SKILLS

- Competent user of LaTeX, Microsoft and Serif Office programs and basic knowledge of Access.
- Experience of FORTRAN, C, C++ languages, BASH and HTML scripting and use of the OpenGL API.
- Over 300 hours experience with THERMOCALC (a thermobarometry program based on Gibbs Energy minimisation).
- First Aider with St John Ambulance (First Aid at Work expires 12/2012).
- Basic Training in Manual Handling, Radio Communication, Fire Safety.

Interests Geology · Music · First Aid · Programming · Foreign Travel · Greek

REFEREES

PhD project supervisor
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Part III project supervisor
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http://www.srcf.ucam.org/~rm438/files/CV.pdf
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