

## Curriculum Vitae for Halldor Geirsson

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Born: September 24, 1976 in Reykjavik, Iceland.

### Education:

- B.S. in Geophysics from University of Iceland in 1999.
- M.S. in Geophysics from University of Iceland in 2003. Thesis title “ Continuous GPS measurements in Iceland 1999 – 2002”
- 2010 (January) – present: Graduate Student, Geosciences Department, College of Earth and Mineral Sciences, The Pennsylvania State University

### Career experience:

- 1999-2009: Geophysicist, Division of Processing and Research, Icelandic Meteorological Office.
- 1999, fall: Teaching assistant at University of Iceland (part-time).
- Summer jobs 1997-1998: Assistant at the Hydrological department, National Energy Authority

### Publications:

- First author of 2 published articles, co-author of 18 published articles. Numerous presentations at acknowledged meetings as first author or co-author.

Sigmundsson, F., S. Hreinsdóttir, A. Hooper, Th. Árnadóttir, R. Pedersen, M. Roberts, N. Óskarsson, A. Auriac, J. Deciem, P. Einarsson, H. Geirsson, M. Hensch, B. Ófeigsson, E. Sturkell, H. Sveinbjörnsson, K.L. Feigl, 2010. Intrusion triggering of the 2010 Eyjafjallajökull explosive eruption. *Nature*, 468, 426-430, doi:10.1038/nature09558.

Geirsson, H., Jakobsdóttir, S.S., Guðmundsson, G.B., Roberts, M.J., Deciem, J., 2009. A deep seated magmatic intrusion at Upptyppingar, Iceland, during 2007 and 2008 In: The VOLUME Project, VOLcanoes: Understanding subsurface mass movement, ed. C.J. Bean, A.K. Braiden, I. Lokmer, F. Martini, G.S. O'Brien. School of Geological Sciences, University College Dublin, Belfield, Dublin 4, Ireland.

Árnadóttir, Th., B. Lund, W. Jiang, and H. Geirsson, H. Björnsson, P. Einarsson and T. Sigurdsson, 2009. Glacial rebound and plate spreading: Results from the first countrywide GPS observations in Iceland, *Geophys. J. Int.*, 177(2), 691-716, doi: 10.1111/j.1365-246X.2008.04059.x.

Hreinsdóttir, S., T. Árnadóttir, J. Deciem, H. Geirsson, A. Tryggvason, R. A. Bennett, and P. LaFemina, 2009. A complex earthquake sequence captured by the continuous GPS network in SW Iceland, *Geophys. Res. Lett.*, 36, L12309, doi:10.1029/2009GL038391.

Geirsson, H., Th. Árnadóttir, C. Völksen, W. Jiang, E. Sturkell, T. Villemin, P. Einarsson, F. Sigmundsson, R. Stefánsson, 2006. Current plate movements across the Mid-Atlantic Ridge determined from 5 years of continuous GPS measurements in Iceland, *J. Geophys. Res.*, Vol. 111, No. B9, B09407, doi: 10.1029/2005JB004092.

Sturkell, E., P. Einarsson, F. Sigmundsson, H. Geirsson, H. Olafsson, R. Pedersen, E. de Zeeuw-van Dalfsen, A. L. Linde, I. S. Sacks, and R. Stefánsson, 2006. Volcano geodesy and magma dynamics in Iceland, *J. Volc. Geotherm. Res.*, 150, 14-34.