Kaislaniemi, Lars Mikael

Curriculum Vitae

17th of February 2015

Personal Details

Address (work):
Department of Geosciences and Geography
PL 68 (Gustaf Hällströmin katu 2b)
00014 HELSINGIN YLIOPISTO
FINLAND

E-mail: lars.kaislaniemi@helsinki.fi
Telephone: +358 (0)2 941 51587

Date of birth: 26th of June 1985
Nationality: Finnish

Education

2011-2015	PhD, geological sciences (EU Marie Curie FP7 ITN 'Topomod' Fellow). Department of Earth Sciences, Durham University, Durham, United Kingdom.
2010-2011	Master of Science, geology. University of Helsinki, Department of Geosciences and Geography. Major: geochemistry and hydrogeology. Minor: geophysics, chemistry, archaeology. Master's thesis: "Thermal modelling of the Svecofennian orogeny overthrust on the Archaean craton of Eastern Finland " (in Finnish) (grade *eximia cum laude approbatur*).
2005-2010	Bachelor of Science. Bachelor's thesis "Estimating the spatial distribution of Strontium isotope ratios ($^{87}Sr/^{86}Sr$) in Finland's Precambrian " (grade 5/5).
2004-2005	Sub-officer (reservist, 12 months military service), telecommunications mechanic, Viesti- ja sähkötekninen koulu (Army School of Signals), Riihimäki. Service included 5 months of practical training in installing and servicing telecommunications networks in the 1st Teleinformatics Center, main headquarters, Helsinki.
2001-2004	Matriculation examination, Helsingin matematiikkalukio (Helsinki high school of mathematics)

Employment history

2015-	Postdoctoral researcher, University of Helsinki, Department of Geosciences and Geography
2009-2011	Institute of Seismology, University of Helsinki. Research assistant. Identification and analysis of the daily regional seismic events / assisting in institute's research.
2004-2008	Occasional substitute teacher in high school and upper secondary (mainly in mathematics, physics and Finnish language) at Maunulan yhteiskoulu ja Helsingin matematiikkalukio. Approximately 250 hours in total.
2001-2008	IT trainee at Andritz Oy (former Andritz-Ahlstrom Oy). By fixed-term contracts (total of 20 months) and as part-time employee. Duties included IT support and intranet/database application programming.

Language proficiency

Finnish	Native	German	Fair, reading satisfactory
English	Excellent	Latin	Fair comprehension in reading
Swedish	Good		

Peer-reviewed scientific publications

Bouilhol P., Magni V., van Hunen J., **Kaislaniemi L.**, 2015. A numerical approach to melting in warm subduction zones. Earth and Planetary Science Letters, 411, 37-44.

Kaislaniemi L., van Hunen J., 2014. Dynamics of lithospheric thinning and mantle melting by edge-driven convection: Application to Moroccan Atlas mountains. Geochemistry, Geophysics, Geosystems, 15 (8), 3175-3189.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2014. Sub-lithospheric small scale convection – a process for continental collision magmatism. *Geology*, 42 (4), 291-294.

Kaislaniemi L., 2011. Estimating the spatial distribution of strontium isotope ratios ($^{87}Sr/^{86}Sr$) in Finland's Precambrian. *Bulletin of the Geological Society of Finland*, 83 (2), 95-113.

Popular articles

Kaislaniemi L., 2014. Geodynaaminen mallinnus: yhtälöistä kivinäytteisiin [in Finnish]. *Geologi*, 3/2014. The Geological Society of Finland.

Conference abstracts

Kaislaniemi L., van Hunen J., 2014. Dynamics of lithospheric thinning and melting by edge-driven convection. EGU General Assembly 2014, Vienna.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2013. Sub-lithospheric small scale convection–a process for continental collision magmatism. Geophysical Research Abstracts, 15, EGU2013-8040. EGU General Assembly 2013,Vienna.

Bouilhol P., Magni V., van Hunen J., Kaislaniemi L., 2014. Fluid flux melting reactions in subduction zones. EGU General Assembly 2014, Vienna.

Neill, I., Allen, M. B., Kaislaniemi, L., van Hunen, J., 2014. Four Flavours of Orogenic Plateau Magmatism: What's Melting Beneath the Turkish-Iranian Plateau? EGU General Assembly 2014, Vienna.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2013. Sub-lithospheric small scale convection – a process for continental collision magmatism. *31st Nordic Geological Winter Meeting*, Lund, Sweden, 8-10 January 2014.

Bouilhol, P., Magni, V., van Hunen, J., **Kaislaniemi, L.**, 2013. Fluids in Slabs: Chemical and Physical Studies of Volatile-Bearing Minerals in Subduction Zones. *AGU Fall Meeting 2013*, San Francisco.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2013. Sub-lithospheric small scale convection – a process for continental collision magmatism. *AGU Fall Meeting 2013*, San Francisco.

Neill, I., Allen, M. B., **Kaislaniemi, L.**, van Hunen, J., 2013. Four Flavours of Orogenic Plateau Magmatism: What's Melting Beneath the Turkish-Iranian Plateau? *AGU Fall Meeting 2013*, San Francisco.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2013. Sub-lithospheric small scale convection – a process for continental collision magmatism. *13th International Workshop on Modelling of Mantle and Lithosphere Dynamics*, Hønefoss, Norway, 31 August – 5 September 2013.

Kaislaniemi L., van Hunen J., Allen M. B., Neill, I., 2013. Sub-lithospheric small scale convection – a process for continental collision magmatism. Geophysical Research Abstracts, 15, EGU2013-8040. *EGU General Assembly* 2013, Vienna.

Magni V., Bouilhol P., van Hunen J., **Kaislaniemi L.**, 2013. The dehydration of slabs in the Early Earth regime and its implications for continental crust composition. Geophysical Research Abstracts, 15, EGU2013-10607. *EGU General Assembly 2013*, Vienna.

Kaislaniemi L., van Hunen J., Allen M. B., 2012. Numerical modeling of continental collision magmatism on Turkish-Iranian plateau. Geophysical Research Abstracts, 14, EGU2012-4558. *EGU General Assembly 2012*, Vienna.

Invited talks

14.3.2011 "Estimating the spatial distribution of Strontium isotope ratios in Finland's Precambrian and its use in provenance studies". FinnARCH project workshop, Turku.

Teaching experience

2014-06-10 Excellence in Demonstrating prize (Excellence in Demonstrating in the field, £100) by the Department of Earth Sciences, University of Durham.

University of Durham:

12-28/05/2014	Teaching assistant, fourth year student field course, southwestern U.S.A.
2013(-2014)	Demonstrator (course assistant), "Modelling Earth Processes", 36 hours.
2013	Demonstrator (course assistant), "Earth Structure and Dynamics", 40 hours.
2012-2013	Demonstrator (course assistant), "Modelling Earth Processes", 57 hours.
2011-2012	Demonstrator (course assistant), "Modelling Earth Processes", 57 hours.

Field work

2010-07-26 ... 2010-08-06	Western Uusimaa Complex, southern Finland, structural and lithological field study on granulites, migmatites and shear zones by Taija Torvela (Univ. Aberdeen) and Annakaisa Korja (Univ. Helsinki). Assistant, Institute of Seismology, University of Helsinki.

Other education

18.-22.3.2013	Short course: "Numerical Modelling and Analysis of Surface Processes". Institute of Earth Sciences, Johannes-Gutenberg University of Mainz, Germany.
5.-6.11.2012	Short course: "Laboratory modeling of geodynamic processes". Laboratory of Experimental Tectonics, Dep. Geology Univ. “Roma TRE”.
18.-23.6.2012	Short course: "Lithosphere deformation: theory, practice and field work", in Thassos, Greece. University of Utrecht, Faculty of Geosciences.
26.-30.3.2012	Short course: "The deep contribution to formation of ranges, basins and landscape evolution". Institut De Ciències De La Terra Jaume Almera, Barcelona.
23.-27.1.2012	Short course: “From earthquakes to mountains: Short to longterm lithosphere dynamics”, Helmholtz Centre Potsdam, German Research Center for Geosciences, Potsdam.