

CURRICULUM VITAE

Full Name: Eero Juhani Rinne
Date of birth: 31. July 1979
Nationality: Finnish

Home address: 21/4 Viewforth Gardens,
EH10 4ET Edinburgh, United Kingdom

Telephone: +44 7889665416
Email: Eero.Rinne@iki.fi



Eero in a nutshell:

My main research interest is the geophysical research of the cryosphere using novel remote sensing techniques. During my research career I have participated in several research cruises and ice camps. I enjoy working in the high Arctic and I take pride in increasing our knowledge of it. I'm experienced in combining field, airborne and satellite data as well as publishing the results in international research journals.

Work history:

2008 - 2011 PhD. project in university of Edinburgh.

My PhD. is part of the ESA project GlobGlacier. During the project I developed MATLAB processors for satellite altimeter data to assess elevation changes of ice caps. My work has shown that a traditional radar altimeters can be used in measuring elevation changes of ice caps – targets smaller than the ones altimeter was optimized for. During my postgraduate study I have also taught undergraduate courses ranging from “Remote Sensing of the Global Climate Change” to “Nature of Geographical Knowledge” .

2005 – 2008: Finnish Institute for Marine Research, department of physical oceanography.

Research scientist in CryoSat calibration and validation project. My research topic was remote sensing of sea ice thickness with ASIRAS radio altimeter. The work included ASIRAS data analysis and field measurements of sea ice characteristics.

2002 - 2005: Helsinki University of Technology, Laboratory of Space Technology.

Research assistant in EU EnviSnow remote sensing project. My research area was remote sensing of snow with a C/X-band scatterometer. Important part of work was organizing airborne field measurement campaigns.

Summers 2001 and 2000: Helsinki University of Technology, Radio laboratory.

I developed mathematical models used in a hologram based compact antenna test range, updated the web pages of the laboratory and took part in 2 GHz frequency sounder measurements as a trainee.

Education:

I have studied for the degree of Doctor of Philosophy (PhD) at School of GeoSciences in University of Edinburgh since 2008. I will hand in my thesis titled "Satellite Altimeter Remote Sensing of Ice Caps" in early 2011.

Master of Science in Technology ("diploma engineer") from Helsinki University of Technology, Department of Electrical and Communications Engineering 2005. My major subject was space technology and my minor subject was elementary science.

Awards:

1:st prize in European Space Agency's 1:st Aurora Student Design Contest: Arrow class missions as a part of team PHOBICE September 2003.

1000 FIM from Ulla Tuominen foundation for excellent performance in matriculation examination in Physics, May 1998.

Skills:*Natural languages:*

Finnish: native
English: very good
Swedish: good
German: basics

Programming languages:

MATLAB
Python
Java

In addition I'm experienced in using several open source remote sensing tools such as GDAL and OGR libraries, GRASS and several ESA Earth Observation tools.

Hobbies:

Aviation. I have a total of 110 hours of flying time in gliders, I hold a Finnish Glider Pilot's Licence (GPL), a class-III medical and a silver C-certificate.

Sports shooting. I am a holder of the International Practical Shooting Confederation (IPSC) safe shooter status. I competed in small bore rifle shooting in British and Scottish inter-university competitions as part of the Edinburgh University Rifle Club team in 2008 and 2009. I also have a Finnish hunting license.

Other:

I have successfully completed Advanced Expedition First Aid Course organized by University of Edinburgh.

I have full (ABC) Finnish / EU driver's license.

I'm one of the founding members of the Finnish remote sensing company Vogon-IT that develops time lapse camera units for special platforms.

I completed my mandatory military service during 1999 in Northern Finland Signal Battalion, staff company. I also served in the Swedish speaking Nylands Brigad.