CV: Patrick Eriksson

Personal details

Name	Patrick Eriksson (641125-5539)
Work address	Dept. of Space, Earth and Environment, Chalmers University of Technology, SE-412 96 Gothenburg, Sweden
Phone / email	+46 (0)31 7721832 / patrick.eriksson@chalmers.se

Academic degrees

1999-02-19	PhD in *Environmental Sciences with Specialization in Radio and Space Science* at Chalmers University.
2004-12-17	Docent in *Global environmental measurements* at Chalmers University.
2017-04-26	Professor in *Global environmental measurements* at Chalmers University.

Publications

About 110 journal articles (see www.researcherid.com/rid/A-5321-2009) and a number of other publications. H-index is 23/30 and i10-index 61/76 according to WoS/Google Scholar.

Teaching and student advising

Organisation	In charge of Atmosphere and Environment PhD school (2008-2010).
Main teacher	Remote sensing (RRY055, master level, 2003 onward). Inversion theory for atmospheric sounding (PhD course, given irregularly). Computer programming (LEU483, undergraduate level, 2019 onward). "Jorden som system" (course in development, start 2021).
Lecturing	In several other courses, older or given irregularly.
Master theses	Adviser to about 14 theses.
PhD students	Main/co-adviser to eight/four students. Examiner for two (not finished).

Examples on commissions, memberships, ...

MWI/ICI	Member of ESA/EUMETSAT Science Advisory Group for MWI and ICI. These two satellite instruments will be part of Metop second generation.
AMT	Associate editor for EGU journal Atmospheric Measurement Techniques.
Referee	Reviewed articles for ACP, AMT, Atmosphere, BAMS, GI, GMD, JGR, JQSRT, IJRS, I3ETGRS, GRL and RS.
Department	Been teaching staff chairman and member of departmental advisory team.
University	Member of faculty senat.
PhD thesis	Been in six PhD thesis defence grading committees.

Project experience

ARTS	Organisation and development of a state-of-art (open source) software. This software package is used in ∼20 research institutes and has ∼200 citations.
Qpack	Development and support of this retrieval package accompanying ARTS.
Research	Leader of several national research projects (VR, SNSB and NRFP).
Odin-SMR	Development of operational retrievals, characterisation of instrument responses and geophysical interpretation of results.
Workshops	Organiser of seven international workshops.
ESA studies	Participated in ≈17 ESA studies, with with a leading role at several occasions.
EUMETSAT	Project leader for study on development of a microwave single scattering database, as well as definintion of ATBD for Metop ICI retreivals of IWP. Participated in study on remapping of MWI and ICI L1 data.