

CURRICULUM VITAE: Christel Dorothee Hansen

PERSONAL INFORMATION

Date of Birth	11/03/1983
Nationality	South Africa
Language Proficiency	German (native), English (fluent), Afrikaans (proficient), Dutch (basic)
Contact	christeldhansen@gmail.com Phone: +27-82-733-7666
Particulars	
Position	Lecturer (UP); Independent Contractor (Unisa); Professional GISc Practitioner (PGP1194)

QUALIFICATIONS

Submitted	Ph.D. with specialisation in periglacial geomorphology	Rhodes University
2012	M.Sc. Geography (Cum Laude)	Rhodes University
2010	B.Sc. (Hons) Environmental Analysis and Management (Cum Laude)	University of Pretoria
2009	B.Sc. Geoinformatics (Cum Laude)	University of Pretoria

CERTIFICATES

2015	Strengthening Postgraduate Supervision	Rhodes University, NUFFIC
2013	Esri Certified ArcGIS Desktop Associate 10.1	Esri Inc.
2011	Assessor (Plan and Conduct Assessment) Facilitation	ExeCoach
2010	Basic Training Course for Environmental Inspector	University of Pretoria

SOCIETY MEMBERSHIPS

APECS (Association of Polar Early Career Scientists); GISSA (Geo-Information Society of South Africa); PYRN (Permafrost Young Researchers Network); RSSA (Royal Society of South Africa); SAAG (South African Society of Geomorphologists); SSAG (Society of South African Geographers)

AUTHOR IDS

ORCID	0000-0001-7510-2720
ResearcherID	C-8783-2012
Scopus Author ID	56087961100

RESEARCH FIELD

Geomorphology with a special interest in cold-climate geomorphology, Antarctic landscapes and ecosystems, the Polar Regions, landscape and process studies, weathering and erosion, desert environmental studies, remote sensing, GIS, geostatistics and statistical analyses.

CURRENT RESEARCH

An evaluation of high-altitude and -latitude frost environment

POSTGRADUATE FIELDWORK

2015, 2014, 2012, 2011	Dronning Maud Land & Jutulssessen, Antarctica	Conducting fieldwork from tented camps, ski-doo travel and sled experience, ice climbing and crevasse experience, hazardous terrain traversal experience
2014	Prince Edward & Marion Islands	Conducting fieldwork
2009	Mauritius	Engaging with researchers from the University of Mauritius

TEACHING ACTIVITIES

2018-present	GGY 283: Introductory Geographic Information Systems	University of Pretoria
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2017	WKD 164: Climate and Weather of Southern Africa (4 weeks)	University of Pretoria
	GGY 265: Geomorphology of the Built Environment (6 weeks)	University of Pretoria
	GGY 252: Process Geomorphology (12 weeks)	University of Pretoria
2016	GGY 166: Southern African Geomorphology (3 weeks)	Rhodes University
	GOG 302: Geography in Theory and Practise (Remote Sensing component) (7 weeks)	University of Pretoria
2012-2015	Introduction to GIS (10 hours) Zotero Referencing Workshop (2 hours) Presentation Skills & Poster-Making Skills (5 hours)	Rhodes University
2014	Module development for online learning – 3 rd year level (Full Semester Course): Assessing Environmental Impacts (GGH3705);	University of South Africa
2013	Module development for 1 st year geography/geology students (EAR 101): Practical Manual	Rhodes University
2010-2011	Introduction to Python in the GIS Environment (2-day course)	Esri South Africa; University of Pretoria
	Introduction to FlexViewer in the GIS Environment (3-day course)	Esri South Africa; University of Pretoria
	Introduction to ArcGIS Server (2-day course)	Esri South Africa; University of Pretoria
	Network Analyst (3-day course)	Esri South Africa; University of Pretoria

OTHER ACTIVITIES

2018	Website developer, content manager and administrator for 'Southern African Association of Geomorphologists (SAAG)'	http://saageomorph.wixsite.com/saag
2017	Website developer, content manager and administrator for 'Association of Polar Early Career Scientists South Africa (APECSSA)'	http://apecssa.wordpress.com/
2016	Website developer, content manager and administrator for 'Antarctic Permafrost, Soils and Periglacial Environments (ANTPAS)'	http://www.antpas.org
	Website developer, content manager and administrator for 'Landscape Processes in Antarctic Ecosystems'	https://geomorphologyantarctica.wordpress.com/
	Session convener at SCAR	Kuala Lumpur, Malaysia
	Session convener at ICOP	Potsdam, Germany
2013	Judge at the Eskom Eastern Cape Expo for Young Scientists (19-07-2013)	Grahamstown

BURSARIES/AWARDS

2017	RSA Delegate Grant (R35 000)	NRF-ISL (ICSU)
	RSA Delegate Grant (R45 000)	NRF-ISL (ICSU)
	Travel Grant (€250)	IPA
2016	PYRN Workshop Grant (€250)	Bolin Centre for Climate Research, AWI
	Extension Scholarship for Doctoral Studies (R82 500)	NRF
2015	NRF-DAAD In-Country Scholarship (R90 000)	NRF; DAAD
	Henderson Science Bursary (R30 000)	Rhodes University

2014	NRF-DAAD In-Country Scholarship (R90 000)	NRF; DAAD
	Henderson Science Bursary (R30 000)	Rhodes University
	Travel Grant (US\$500)	ANTPAS-SCAR
	Emerging Scholar Grant (R35 000)	NRF-ISL (ICSU)
2013	NRF-DAAD In-Country Scholarship (R90 000)	NRF; DAAD
	Henderson Science Bursary (R30 000)	Rhodes University
	Bronze Medal (Award for the best geography M.Sc. by research dissertation in South Africa)	SSAG
2012	Young Geomorphologists from Africa Travel Grant (€350)	IAG/AIG
	Grant Holder Bursary (R40 000)	NRF
2011	Grant Holder Bursary (R40 000)	NRF
2010	Geography Lecturers' Prize for the Best B.Sc. (Hons) Dissertation	University of Pretoria
2009	Departmental Prize for the Best Graduating Student	University of Pretoria

CONFERENCES/WORKSHOPS ATTENDED

2016	Scientific Committee on Antarctic Research (SCAR) XXXIV Biennial Open Science Conference (OSC)	Kuala Lumpur, Malaysia
	XI International Conference on Permafrost (ICOP)	Potsdam, Germany
	XII International Symposium on Antarctic Earth Science (ISAES)	Goa, India
2015	II Summer School on Geomorphology (SSOG)	Kaunertal, Austria (31/08/2015 – 06/09/2015)
	III SANAP Symposium	Grahamstown, RSA
	Society of South African Geographers (SSAG) IV PhD & Postdoctoral Workshop	East London, RSA
2014	Society of South African Geographers (SSAG) X Biennial Conference	East London, RSA
	Scientific Committee on Antarctic Research (SCAR) XIII Biennial Open Science Conference (OSC)	Auckland, New Zealand
	Southern African Association of Geomorphologists (SAAG) Biennial Conference	Gobabeb, Namibia
2012	Society of South African Geographers (SSAG) IX Biennial Conference	Cape Town, RSA

CONFERENCE PRESENTATIONS

2017	Communicating polar research in South Africa	III APECS International Online Conference
	Short-term and high-frequency diurnal frost observations for Vesleskarvet, Antarctica	SAAG Biennial Conference
	Delineating Dronning Maud Land based on biotic and abiotic factors	1 st International ANTPAS Workshop
	A note on frost mounds observed in the Jutulsessen, Antarctica	XI SSAG Biennial Conference
2016	Observations on frost mounds in the Jutulsessen, Antarctica	XXXIV SCAR Biennial Meetings and Open Science Conference
	Seasonal and diurnal frost environments in western Dronning Maud Land: Preliminary observations	XXXIV SCAR Biennial Meetings and Open Science Conference
	The use of proxy data to determine patterns of rock exposure on a nunatak in western Dronning Maud Land, Antarctica	XXXIV SCAR Biennial Meetings and Open Science Conference

	Investigations into the ground thermal regime near Troll station, in the Jutulssessen of Antarctica: 2007-2016	XI International Conference on Permafrost
	Short-term changes observed in the ground thermal regime following the construction of a building: A case study from the Antarctic	XI International Conference on Permafrost
	Active Layer Monitoring in Western Dronning Maud Land, Antarctica since 2007	XI International Conference on Permafrost
2015	An evaluation of diurnal temperature regimes for three study sites in Dronning Maud Land, Antarctica: Nonshøgda, Vesleskarvet, and Robertskollen	XII International Symposium on Antarctic Earth Sciences
	Topographic forcing on ground surface and ambient air temperatures (<i>in absentia</i>)	SAAG Biennial conference
	The characterisation of an openwork block deposit, Northern Buttress, Vesleskarvet nunataks, Western Dronning Maud Land, Antarctica	III NRF/SANAP PI and Student Symposium
	The characterisation of an openwork block deposit, Northern Buttress, Vesleskarvet, Western Dronning Maud Land, Antarctica	X SSAG Biennial Conference
2014	An evaluation of high-altitude and -latitude diurnal frost environments	XXXIII SCAR Biennial Meetings and Open Science Conference
	An investigation into the morphology and dynamics of thermal contraction crack polygons found at Mimelia in the Jutulssessen, Antarctica	XXXIII SCAR Biennial Meetings and Open Science Conference
	The Geomorphology of a rock glacier, near Troll Station in the Jutulssessen, Antarctica	XXXIII SCAR Biennial Meetings and Open Science Conference
	Geomorphic-biological interactions in the Ahlmannryggen and Jutulssessen areas of Western Dronning Maud Land, Antarctica	XXXIII SCAR Biennial Meetings and Open Science Conference
	Landscape processes and the active layer environment in Western Dronning Maud Land	XXXIII SCAR Biennial Meetings and Open Science Conference
2013	Characteristics and development of an autochthonous blockfield, Western Dronning Maud Land, Antarctica (<i>in absentia</i>)	VIII IAG/AIG International Conference on Geomorphology
	Aspect control on weathering observed on a blockfield in Dronning Maud Land, Antarctica	SAAG Biennial Conference
2012	Near-surface temperature fluctuations observed on a blockfield in Dronning Maud Land, Antarctica	IX SSAG Biennial Conference

PUBLISHED ARTICLES

- Hansen, C.D., Meiklejohn, K.I., Nel, W., Loubser, M.J. & van der Merwe, B.J. 2013. Aspect-controlled weathering observed on a blockfield in Dronning Maud Land, Antarctica, *Geografiska Annaler Series A: Physical Geography*, 95 (4): 305-313.
- Hedding, D.W., Hansen, C.D., Nel, W., Loubser, M.J., Le Roux, J.J., and Meiklejohn, K.I. 2015. Rock mass loss on a Nunatak in Western Dronning Maud Land, Antarctica. *Arctic, Antarctic and Alpine Research*, 48 (1): 1-8.
- Rudolph, E.M., Meiklejohn, K.I., Hansen, C.D., Hedding, D.W., and Nel, W. 2018. Rock glaciers in the Jutulssessen, Dronning Maud Land, East Antarctica. *Polish Polar Research*, in press.