

## CURRICULUM VITAE

Surname: Lindahl (530406-2416)  
Christian names: Carl Anders Harald  
Date of birth: 6 April 1953  
Place of birth: Vetlanda, Sweden  
Nationality: Swedish  
Civil status: Married, 4 children  
Address: Arendala 651, Koängen, 225 92, Lund, Sweden

### **Exames**

BA (Fil.kand) 1978 in the following subjects:  
Archaeology, Ethnology, Earth science, Statistics.

Complementary courses:  
Art history, Mineralogy and petrology, Chemistry,  
Multivariate analysis in archaeology.

PhD in Medieval archaeology, Lund University 1986.  
Associate professor in medieval archaeology, Lund University, 1996  
Professor in laboratory and experimental archaeology, Lund University, 2012  
Visiting professor University of Pretoria, South Africa, 3 months yearly 2014-2016

**Since 1984 – present.** Head of the Laboratory for Ceramic Research, dept. of Geology, Lund University. When the Laboratory for Ceramic Research attained the status as National Research Resource 1994 the Head of the laboratory was granted a permanent position at Lund University funded by the Swedish Research Council. The position as Head of the laboratory is originally designed as a 100% research position, but teaching is also included. Thus, my main task at the laboratory is to develop methods for ceramic analysis, initiate and conduct research projects emphasising the potential of ceramic materials in archaeological studies, give lectures and supervise students within the field of ceramology.

Home page:

<http://www.geol.lu.se/persinfo/detailsv.php?uid=27>

<http://www.geol.lu.se/kfl/>

### **Scientific work**

*Faculty opponent:*

Opponent on the thesis "Från skärva till kärl" by Magnus Elfwendahl, Institutionen för Medeltidsarkeologi, Lund (1999-05-21)

Opponent on the thesis "Your Monument our Shrine, the preservation of Great Zimbabwe" by Webber Ndoro, Afrikansk och jämförande arkeologi, Institutionen för arkeologi och antikens historia, Uppsala universitet (2001-05-30).

Opponent on the Lic. Thesis "Integrated Geophysical-Geochemical Methods For Archaeological Prospecting" by Kjell Persson, Land and Water resources Engineering, The Royal Institute of Technology, Stockholm (2005-05-30).

*PhD thesis committee.*

"Unguja Ukuu on Zanzibar, an archaeological study of early urbanism" by Abdurahman Juma. Afrikansk och jämförande arkeologi, Institutionen för arkeologi och antikens historia, Uppsala universitet (2004-05-26).

"Shaping an identity. Pitted ware pottery and potters in southeastern Scandinavia" by Ludvig Pappmehl Dufay. Arkeologi med laborativ analys, Stockholm university (2006-10-13)

"Minerals and Managers: production contexts as evidence for social organization in Zimbabwean prehistory" by Lorraine Swan. Afrikansk och jämförande arkeologi, Institutionen för arkeologi och antikens historia, Uppsala universitet (2008-04-28).

"Kärl och social gestik. Keramik I Mälardalen 1500 BC-400 AD" by Thomas Eriksson. Department of Archaeology and Ancient History, Uppsala University (2009-12-05)

"The Bentonite Barrier: Swelling properties, redox chemistry and mineral evolution" by P.Daniel Svensson. Centre for Analysis and Synthesis, Department of Chemistry, Faculty of Engineering, LTH, Lund University (2015-03-09)

#### *External examiner PhD thesis*

"Metals from K2 and Mapungubwe: A technological study of early second millennium material culture, with an emphasis on conservation" by Farahnaz Koleini. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2013-01-15)

#### *External examiner Honours thesis*

"The Iron Age Drama. Ceramics studies in southern African Archaeology" by Jacqueline De Souza. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2012-01-20)

"Letaba: Between Spaces. Reanalysis of Early Farming Settlements on the Letaba Confluence" by Gerhard Jordaan. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2012-01-20)

"Lipid analysis in southern Africa: Some considerations and new avenues for archaeology" by Zurethe Collins. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2012-01-20)

"Modern ceramic production in Venda and its implication for archaeology" by Thingahangwi Tracy Tshivase. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2013-01-20)

"An ethnoarchaeological study of Zulu pots in the UThukela basin" by Bongumenzi Nxumalo. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2013-01-20)

"Interaction study between hunter-gatherers, pastoralists and farming communities in Khwebe Hills, North Western Botswana" by Rammutloa Kefilwe.

"The Analysis of Technical Ceramics from Schroda" by Nokukhanya Sabelo Khumalo. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2014-01-17)

"Understanding the use of space on Mutamba, a Mapungubwe period settlement, using multi-element analysis" by Yanga A.K. Dlaba. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2014-01-17)

"How to work with the multidimensional analysis as well as incorporating new approaches and methodologies: A study on ceramics from the Boikarabelo coal mine project, Waterberg area, Limpopo province" by Reagile Sengane. Department of Anthropology and Archaeology, University of Pretoria, South Africa (2015-01-20)

#### *Expert*

Expert in appointment to position as senior lecturer in Geoarchaeology. Department of Quaternary Geology and Earth Science, Stockholm University (August 2005).

#### *Referee and reviewer for grants and journals*

Journal of Nordic Archaeological Science

Current Swedish Archaeology

Proceedings of the Prehistoric Society

Applied Clay Science

African Archeological Review

National Research Foundation, South Africa (NRF)

European Research Council (ERC)

### *Selection of Research projects*

Since 1988 I have been involved in various projects in South-eastern Africa.

Project co-ordinator for the project "Ceramics, metal craft and settlement in south-eastern Zimbabwe since ca 1400 AD" (financed by Sida/SAREC).

Participate with responsibility for the ceramic analyses in a project on Pemba Island, Tanzania (financed by National Science Foundation, USA).

Both projects mentioned above have similar aims, to trace changes in the handicraft tradition and by using the material culture illuminate the interaction between a central place (e.g. town, hill fort) and hinterland (e.g. village, farmstead).

Responsible for project "Physical and chemical studies of raw clay materials from deposits in the Bani- and Niger inland deltas in the Jenné region- Middle East Mali". The project is focused on clay as a natural resource in the Niger and Bani rivers inland delta (financed by Sida/SAREC) and involves two different components. The first component is basic research concerning clay mineralogy, clay chemistry etc. The second component involves the utilisation of the investigated clay deposits for building material, pottery manufacture etc.

Participant in project "Archaeological and ethnoarchaeological studies in Sankarani Valley, Mali" In co-operation with Dr. Samou Camara. Sponsored by the Italian Ministry for Africa and the East. The project has a special focus on the palaeo-climatic evolution of the Valley of Sankarani Southern Mali. My major interest in this project concerns studies of pottery from different archaeological contexts (burials, homesteads, workshops etc.) in this area.

Co-investigator in project "Situating Indian Ocean Archaeology in the South-South-South Framework". In co-operation with Dr. Sunil Gupta, Allahabad Museum, India.

Co-investigator in project "Ceramics and the Ethnographic Present: ceramic manufacturing techniques in southern Africa" In co-operation with Prof. Innocent Pikirayi, University of Pretoria, South Africa (financed by VR/LINKS)

Co-investigator in project "Late Black Earthenware – The introduction of modern pottery in Sweden". In co-operation with Doc. Ole Stilborg. Sponsored by The Crafoord Foundation.

Co-investigator in project "Ceramics from the Mariana Islands, Forming methods and raw material". In co-operation with Olaf Winter, Dept. of Archaeology and Natural History Research School of Pacific and Asian Studies, ANU, Australia.

"Laboratory analyses of bricks from the Medieval kiln at Boo" in collaboration with the project "Tegelugnen Saltsjö Boo", Docent Jan Peder Lamm, sponsored by Berit Wallenbergs Stiftelse.

"Archaeology and Archaeometry for Societies in Contact" in collaboration with Prof. Innocent Pikirayi, University of Pretoria, South Africa (financed by NRF South Africa).

### **Pedagogic experience**

#### *Pedagogic courses*

"Pedagogic course for MN-teachers: An introduction to modern learning and teaching in higher education", two weeks, autumn term 1998.

UGL course (Utveckling av Grupp och Ledare, Understanding Group and Leader), one week December 2003.

Course in Research Supervision. Two days, spring term 2004.

"Forskarhandledning – introduktion" Course in Research Supervision, two weeks 2010. "Workshop – den pedagogiska portföljen" Workshop – the pedagogic portfolio, one week 2010.

"Teaching and Learning through English", one week 2010.

#### *Pedagogic work*

Senior lecturer since 1988

Supervisor for C- och D-level students

Lecturer in traditional pottery manufacture, experimental archaeology, 5 p. Summer 1996. 38 participants from different universities in Sweden.  
Lecturer "Vardagslivets Världshistoria" Museion, Gothenburg university 2001 and 2002.  
Lecturer on Documentation and processing of ceramic materials. Institute of Conservation, Gothenburg university (Oct. 2005)  
Developed and responsible for course GEOD01 Geological Applications in Experimental and Laboratory Archaeology, 15 ECTS credits  
Developed and responsible for course GEOD02 Geological Applications in Experimental and Laboratory Archaeology, project work. 7,5 ECTS credits  
Developed and responsible for course GEOA76 Humans and the Landscape in Northern Europe from the Ice Age to the Present, 7,5 ECTS credits  
External examiner, Honours program, 2011 and 2014, at the Department of Anthropology and Archaeology, University of Pretoria, South Africa

#### *Supervisor PhD thesis*

Together with Deborah Olausson, Dept of Archaeology, Lund University, supervisor for Ole Stilborg (disp. 14 March 1997).  
Assistan supervisor for: Martin Söderlind, Classical archaeology and culture, Lund University (disp. 29 Oct. 1999).  
Supervisor for Torbjörn Brorsson, doktorand vid "Institut für Ur- und Frühgeschichte der Christian Albrecht Universität, Kiel." (disp. 30 June 2005)  
Assistan supervisor for: Adam Lindhagen, Classical archaeology and culture, Lund University (disp. 28 Sept. 2006).  
Supervisor for Edward Matenga, African and Comparative archaeology, Uppsala University (disp. 2 Dec. 2011).  
Together with Deborah Olausson, Dept of Archaeology, Lund University, supervisor for Katarina Botwid

#### *Supervisor Bachelor- and Masters thesis*

Eklöv Pettersson, Paul 2008. "Användningsområde för perforerade cylinderkärll – en studie av bottenlösa perforerade cylinderkärll och dess möjliga användningsområden med fokus på högre temperaturer". Bachelor essay ARK X31 Department of Archaeology, Lund University (with Anders Ödman)  
Botwid, Katarina 2008 "Offrad Keramik – mossfynd från romersk järnålder I Käringsjön I Halland", Master thesis Department of Archaeology and Osteology, Gotland University, Visby. (with Helene Martinsson-Wallin)  
Erik Johansson 2011 "Yngre Svartgods, Datering, Funktion Och Produktion: En Materialstudie Av Det Yngre Svartgodset Från Kv. Apotekaren 4, Lund" ARKM04, Master thesis Historical archaeology, Department of Archaeology, Lund University. (with Mats Roslund).  
Paul Eklöv Pettersson 2011 "Bronsålders deglar från Broåsen, Grimeton sn, Halland" Master thesis Department of Archaeology, Lund University. (with Deborah Olausson)

#### **Presentations at international conferences (selection)**

"The 8th CIMTEC-World Ceramics Congress and Forum on New Materials, The Ceramics Cultural Heritage", June 28 – July 2, 1994, Florens, Italien;  
"The 14th Biennial conference of the Southern African Association of Archaeologists", July 1 – 4, 1996, Bloemfontein, South Africa;  
"Society of Africanist Archaeologists, 14<sup>th</sup> Biennial Conference", May 21 – 24, 1998, Syracuse, New York;  
"World Archaeological Congress 4", January 10 – 14, 1999, Cape Town; South Africa;  
"Mineralogy of Ceramics: Ancient and modern", June 17, 1999, London, England;  
"Society of Africanist Archaeologists, 15<sup>th</sup> Biennial Conference", July 12 – 15, 2000, Cambridge, England;

“11<sup>th</sup> Congress of the PanAfrican Association for Prehistory and related studies”, February 4 – 13, 2001, Bamako, Mali;

“Society of Africanist Archaeologists, 16<sup>th</sup> Biennial Conference”, May 18 – 21, 2002, Tucson, Arizona.

“Urban Landscape Dynamics and Resource Use”, August 28 – 31, 2003, Uppsala.

The Buhera Project, a presentation of results and ongoing research: Society of Africanist Archaeologists SAFA, Bergen, Norway 25-29 June 2004.

Prehistoric Ceramics – Recent Research. Bradford, England 22-24 October 2004. The San Giovenale pottery: production and raw material.

Keramiska ForskningsLaboratoriet, verksamhet och organisation. Arkeologi & Konservering + Analyseexpo 2004. Gothenburg 17 – 18 November 2004.

Trummor av keramik? ICTM-seminar. Lund 7 December 2004.

“Structures of Vulnerability: Mobilisation and Resistance” Stockholm University and the Swedish International Development Agency (SIDA). Stockholm 12-14 januari, 2005 Physical and chemical studies of raw clay materials from deposits in the Bani- and Niger river inland deltas in the Jenné region, middle east Mali.

“12<sup>th</sup> Congress of the PanAfrican Association for Prehistory and related studies”, Gaborone, Botswana; July 4 – 10, 2005. Great Zimbabwe in the Buhera District: Centre and periphery.

“13th Annual Meeting of the European Association of Archaeologists”, Zadar, Croatia, September 18-23, 2007. Ceramics and the Ethnographic Present: ceramic manufacturing techniques in southern Africa.

“Workshop on Ceramics in Archaeology”, Department of Anthropology and Archaeology, University of Pretoria, 5-6 March 2010. Four presentations: 1. Ceramics and change: an overview of pottery production techniques in northern South Africa and eastern Zimbabwe during the first and second millennium AD 2. Clay as raw material for ceramics, 3. What can be done with ceramic shards? On documentation of ceramics: registration, quantification, etc. and 4. Current laboratory analyses available for archaeological ceramics.

“Archäologischer Workshop für junge Wissenschaftler/InnenNaturwissenschaft-liche Analysen vor- und frühgeschichtlicher Keramik: Methoden, Anwendungsbereiche, Auswertungsmöglichkeiten”, 5 February 2011. Archäologisches Institut, Hamburg University

Eastern and Southern African Pottery Workshop. Department of Archaeology and Ancient History, 1 April 2011. African and Comparative Archaeology, Uppsala University.

“SANORD 3<sup>rd</sup> Bi-annual international conference”, 27-30 November 2011. University of Witwatersrand, Johannesburg, South Africa.

“Archäologischer Workshop für junge Wissenschaftler/InnenNaturwissenschaft-liche Analysen vor- und frühgeschichtlicher Keramik: Methoden, Anwendungsbereiche, Auswertungsmöglichkeiten”, 4 February 2012 Archäologisches Institut, Hamburg University.

12<sup>th</sup> European Meeting on Ancient Ceramics (EMAC), Padova, Italy. 18-21 September 2013 Extraction methods of carbon in ceramic ware for 14C- AMS- dating. A pilot study on Bronze Age pottery from Scania, Sweden.

“International Symposium on Recent Approaches to Ancient Ceramics in Archaeology” Russian Academy of Science, Institute of Archaeology, Moscow. 29-31 October 2013 Ceramics and the Ethnographic Present: Interrogating Pottery in Southern African Iron Age Studies – Some Unanswered Questions.

“14<sup>th</sup> Congress of the Pan African Archaeological Association for Prehistory and Related Studies and the 22<sup>nd</sup> Biennial Meeting of the Society of Africanist Archaeologists”. University of the Witwatersrand, Johannesburg, South Africa 14-18 July 2014.

At several of these conferences I have been acting as moderator.

### **Others**

The advisory editor for the Journal of Nordic Archaeological Science

*Information and popular science*

1-3 yearly lectures in "Etnoarkeologi och traditionell keramikframställning" i Studieförbundet Vuxenskolan och ABF's regi.

Demonstrations and courses in traditional pottery manufacture in collab. with museums and studieförbund.

2001, 2002 och 2003: 12 lectures in grundskolans årskurs 9 concerning work in developing countries with a special emphasis on cultural heritage and archaeology. Lectures organised by Sida and Studieförbundet Vuxenskolan.

*Scientific societies :*

Vetenskaps societeten i Lund

Svenska arkeologiska samfundet

Society of Africanist Archaeologists

## **International experience**

### *Employment and contractual work abroad*

England	1970-1971	3 months	Excavation, Roman Fortress.
Belgium	1971	2 weeks	Excavation, Medieval Monastery.
Israel	1974	7 weeks	Excavation, Roman Settlement, Field supervisor.
Zimbabwe	1988	3 months	Visiting Lecturer, History Department, University of Zimbabwe
Zimbabwe	1989	3 months	Visiting Lecturer, History Department, University of Zimbabwe.
Zimbabwe	1990	4 months	Visiting Lecturer, History Department, University of Zimbabwe.
Tanzania	1990	4 weeks	Researcher, Antiquities Unit, Dar es Salam.
Zimbabwe	1991	3 weeks	Visiting Lecturer, History Department, University of Zimbabwe.
Tanzania	1991	3 months	Researcher, Antiquities Unit, Dar es Salam.

### *Field work abroad*

- 2013 January, South Africa, Pottery documentation, analyses etc.
- 2012 November, South Africa, Pottery documentation, analyses etc.
- 2012 October, Zimbabwe, Surveying.
- 2012 August, South Africa, Pottery documentation, analyses etc.
- 2012 July, South Africa, Pottery documentation, analyses etc.
- 2012 April, South Africa, Pottery documentation, analyses etc.
- 2011 November, Botswana, Pottery documentation, field surveying.
- 2011 November, South Africa, Pottery documentation etc.
- 2010 November, South Africa, Pottery documentation.
- 2010 March, South Africa/Swaziland, Pottery documentation.
- 2010 March, Zimbabwe, Recording ceramics for the Buhera project.
- 2009 November, South Africa, Documentation of pottery manufacture.
- 2009 May, South Africa, Documentation of pottery manufacture.
- 2005 July, Zimbabwe, Registration of material from excavations, Buhera project.
- 2004 Feb, Mali, study of brick and pottery manufacture, clay sampling.
- 2003 July, Pemba Island Tanzania, Excavations, clay sampling.
- 2002 July, Pemba Island Tanzania, phosphate mapping.
- 2001 September/October, Zimbabwe, Excavations, surveying, phosphate mapping, Buhera project.
- 2000 October, Zimbabwe, surveying, phosphate mapping and soil sampling, Buhera project.
- 1999 September/October, Zimbabwe, excavations, soil sampling, documentation of pottery manufacture and metal work, Buhera project.
- 1998 September/October, Zimbabwe, excavations, soil sampling, documentation of pottery manufacture and metal work, Buhera project.
- 1996 May, Zimbabwe, Surveying, pre-study to Buhera project.