

Curriculum Vitae (29/07/2010)

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Academic Education, Qualifications and Fellowships of Learned Societies

Nov. 2008 Fellow of the Australian Academy of the Humanities (FAHA)
May 2008 Fellow of the Society of Antiquaries, London (FSA)
June 1998 Habilitation (Dr. rer. nat. habil.) and Venia legendi** in Geology and Palaeontology, Universität zu Köln, Germany
Sept. 1997 Doctor of Science (DSc)*, Australian National University
Feb. 1985 Dissertation (Dr. rer. nat.), Universität zu Köln
Nov. 1982 Diplom (Dipl. Geol.), Universität zu Köln
1975 - 1985 Study of geology at the Dept. of Geology, Universität zu Köln, Germany

Employment History

since April 2009 Professor E2 (distinguished professor), Research School of Earth Sciences (RSES), Australian National University, Canberra
Jan. 2002 - Sept. 2004 Coordinator, Earth Environment, RSES
Feb. 2000 - Dec. 2001 Group Leader, Environmental Geochemistry and Geochronology, RSES
July 1998 - Mar. 2009 Professor E1, ANU
since Jan. 1998 Research School of Earth Sciences
July 1994 - July 1998 Senior Fellow (reader), ANU
Feb. 1992 - July 1994 Fellow (senior lecturer), ANU
Feb. 1992 - Dec. 1997 Head of the Quaternary Dating Research Centre, Research School of Pacific and Asian Studies (RSPAS), ANU
Oct. 1989 - Jan. 1992 Senior research associate, University of Cambridge
Oct. 1987 - Sept. 1989 Research associate, University of Cambridge
Oct. 1987 - Jan. 1992 Head of TL/ESR dating laboratory, Subdepartment of Quaternary Research, University of Cambridge, England
July 1985 - Sept. 1987 Postdoctoral-fellow, McMaster University, Hamilton, Canada
Apr. 1983 - June 1985 Research associate, Universität zu Köln
Dec. 1982 - Mar. 1983 Research assistant, Universität zu Köln
July 1979 - Nov. 1982 Teaching assistant, Universität zu Köln
Aug. 1978 - Feb. 1979 Practical training, Amt für Wasser - und Abfallwirtschaft, Düsseldorf

Research Interests

Development of dating methods, in particular ESR and U-series dating, Application of dating to key questions in archaeological sciences, such as the timing of human evolution and technological change, as well as Quaternary research such as landscape dynamics and global sea level change. Application of elemental and isotopic micro-analysis of human remains for the reconstruction of diet and migration patterns.

Publication/Citation Summary

1 book; 160 publications in refereed journals (plus 10 in press/submitted), 28 in books or monographs (plus 2 in press/submitted), 26 in non-refereed journals, 69 abstracts. Citations (source: extended SCI-search 20/07/2010, including incorrectly cited papers): career: > 3500; 5 papers with 100+ citations, 12 with 50-99, 30 with 25-49. Average for refereed journals/book: > 20. Highly cited author in the field of Social Sciences (ISI Essential Science Indicators).

All publications are available on CD. Please request by email.

Grants (note that until 2001, members of the Institute of Advanced Studies at ANU were excluded from the ARC scheme. The average ARC grant is about \$ 60,000 to 100,000 year⁻¹).

- 2007-2009 ARC Linkage LP0775058 with DEC and 3TTG (Grün et al.) *Environmental Evolution of the Willandra Lakes World Heritage Area*, \$738,000
- 2006-2010 ARC DP0666084 (Roberts, Grün, Jacobs, Duller) *Out of Africa and into Australia: robust chronologies for turning points in modern human evolution and dispersal*, \$ 316,000
- 2006-2008 ARC DP0664144 (Grün et al.) *Microanalysis of human fossils: new insights into age, diet and migration*, \$ 285,000
- 2005 ANU-MEC/LIEF LE 0560868 (Ireland et al.) *SHRIMP SI - Microscale stable-isotope analysis in the Earth Sciences*, total value: \$ 1,667,000
- 2005 ANU-MEC/LIEF LE0560956 (McCulloch et al.) *World-leading elemental and isotopic microanalysis and chemical speciation facilities for an environmentally sustainable Australia*, total value \$ 747,000
- 2003-2005 ARC DP 0342788 (Grün et al.) *Stable isotopes in marsupials: reconstruction of environmental change in Australia*: \$ 210,000.
- 2001 ARC-LIEF R00107950 (Grün et al.): Bruker Elexys ESR spectrometer, total value: \$ 348,000.
- 1995 ANU (Grün), Major Equipment Committee: *Gamma ray facility for non-destructive U-series dating*: \$115,000
- 1993 ANU, MEC (Grün), X and Q-band Bruker 106 ESR spectrometer, total value: \$320,000

Visiting Professorships/Fellowships

- April 2010 Appointment as guest Professor to the State Key Laboratory of Earthquake Dynamics, Institute of Geology, Chinese Earthquake Administration, Beijing
- Aug - Nov 2009 Institut des Sciences humaines et sociales du CNRS, Bordeaux
Laboratoire d'Anthropologie des populations du Passé, Université de Bordeaux I
- April 2009 Chinese Earthquake Administration, Beijing
- March 2009 Département de Préhistoire du Muséum National d'Histoire Naturelle, Paris
- December 2007 Département de Préhistoire du Muséum National d'Histoire Naturelle, Paris
- May/June 2006 Département de Préhistoire du Muséum National d'Histoire Naturelle, Paris
- May/June 2005 Département de Préhistoire du Muséum National d'Histoire Naturelle, Paris
- April - July 2001 St. Catherine's College, Oxford
- April - July 2001 Research Laboratory for Archaeology and the History of Art, University of Oxford
- June - Dec. 1998 Privatdozent, Universität zu Köln
- 1995 Japanese Society for the Promotion of Science
- 1993 Academia Sinica

Editorial Responsibilities

- since 2006 **Editor-in-Chief** of *Quaternary Geochronology*
- 1993-2005 **Editor** of *Quaternary Geochronology (QSR)*
- since 2008 **Associate Editor** *Archaeological and Anthropological Sciences*
- 2001-2003 **Associate Editor** of *Journal of Human Evolution*
- 1997-1999 **Associate Editor** of *Journal of Human Evolution*
- 1991-1993 **Associate Editor** of *Journal of Human Evolution*
- since 2005 **Editorial Board Member** of *Quaternary Science Reviews*
- 1997-2005 **Editorial Board Member** of *Quaternary International*
- since 1994 **Editorial Board Member** of *Radiation Measurements*
- 1993-1998 **Editorial Board Member** of *Archaeometry*
- 1994 **Coeditor** of *Quaternary Science Reviews* for the conference proceedings of the 7th International Specialist Seminar on TL and ESR Dating
- 1991 **Coeditor** of *Quaternary Science Reviews* and *Nuclear Tracks and Radiation Measurements* for the conference proceedings of the 6th International Specialist Seminar on TL and ESR Dating
- 1987 **Coeditor** of *Quaternary Science Reviews* and *Nuclear Tracks and Radiation Measurements* for the conference proceedings of the 5th International Specialist Seminar on TL and ESR Dating.

since 1992 **Reviewers' panel member** of *Ancient TL*

Conference Activities

- since 2008 Chairman of the Standing Scientific Committee for the International Conference on Luminescence and Electron Spin Resonance Dating.
- 2007/8 Organising Committee ANU Archaeological Science Conference, 6-8 February 2008.
- 2006/7 Organising Committee of the XVII INQUA Congress. 28 July - 3 August 2007, Cairns
- 2004 Organiser of Robertson Workshop on Environmental Geochemistry and Geochronology: Quaternary Geochronology. 30 April - 2 May 2004, Robertson.
- 1995/6 Chairman of the Organising Committee of the 8th International Conference on Luminescence and Electron Spin Resonance Dating. 22-26 April 1996, Canberra.
- 1995 Member of the Scientific Program Committee of the 4th International Symposium on ESR Dosimetry and Applications
- 1995 Organiser of 2nd ANZ Meeting on Quaternary Dating
- 1993 Organiser of 1st ANZ Meeting on Quaternary Dating
- since 1991 Member of the Standing Scientific Committee for the International Specialist Seminars on TL and ESR Dating, since 1996: International Conference on Luminescence and Electron Spin Resonance Dating.
- 1985, 1988 Member of the international advisory committee of the 1st, 2nd and 3rd International Symposium and 1991 on ESR Dosimetry and Applications.

Postdoctoral Supervision

- 2004-2009 Mr Maxime Aubert
- 1991-1992 Dr. W.J. Rink, now McMaster University, Canada
- 1990-1992 Dr. E.J. Rhodes, now Australian National University

PhD Supervision

- since 2007 T. Kelly (topic: Sr isotope tracing in the Levant)
- since 2007 I. Moffat (topic: Environmental reconstruction of the Lake Mungo lunette)
- 2006-2010 R. Joannes-Boyau (topic: Direct dating of human remains)
- 2001-2005 R. Fraser (Stable isotopes in marsupials), now Department of Archaeology, University of Oxford
- 1996-2000 D. Curnoe (Researches into early Homo in South Africa), now Department of Anatomy, The University of New South Wales
- 1993-1996 M. Abeyratne, (Multi-dating of archaeological sites in Sri Lanka), now Cultural Fund, Colombo, Sri Lanka
- since 1992 Advisor for six PhD students

University Administration

- June-Sept. 2005 Coordinator, Environmental Earth Sciences
- 2005 Chair, Reclassification Committee RSES
- 2002 - 2004 Coordinator, Environmental Earth Sciences
- 2001 - 2004 Member of the Board of the Institute of Advanced Studies
- 2000 - 2004 Member of the Faculty Board
- 2000 - 2001 Group Leader Environmental Geochemistry and Geochronology, Research School of Earth Sciences
- 1996 - 1997 Chair of the Faculty of the Research School of Pacific and Asian Studies
- 1996 - 1997 Member of the Strategy Committee of the Research School of Pacific and Asian Studies
- 1996 - 1997 Member of the Committee on General Policies
- 1996 - 1997 Member of the Public Affairs Committee
- 1995 - 1997 Member of the Promotions Committee, Research School of Pacific and Asian Studies
- 1995 - 1997 Member of the Board of the Institute of Advanced Studies
- 1993 - 1995 Convenor of the Graduate Program Quaternary and Regolith Studies
- 1992 - 1997 Member of the Faculty Board of the Research School of Pacific and Asian Studies

Professional Development

Leadership course (2000): Managing yourself and managing others. Executive MBA Programme, Australian Graduate School of Management (and several short courses/refreshers since)

Professional Society Activities

since 1992 Member of the International EPR (ESR) Society
 since 1992 Member of the Australasian Quaternary Research Association
 since 1991 Life member of Clare Hall College, Cambridge
 since 1987 Member of the Philosophical Society, Cambridge, since 2006 Life member
 since 1987 Member of the British Quaternary Research Association

*DSc: Higher Doctorate, based on published works of which the supplicant is author or joint author. The degree is awarded if

(a) *the submitted works represent outstanding creative achievement or an outstanding contribution to the field of knowledge in which those works fall; and*

(b) *exhibit a level of originality and creativity that stamp the candidate as a major authority in that field.* (Australian National University, The Graduate School Handbook, 1996).

**Habilitation: Based on the submission of a thesis which has to be different from the doctoral thesis.

The work of the thesis has to demonstrate the ability of the applicant to conduct independent research and to represent an advancement of science. The Habilitation is concluded after a seminar to the Faculty of Science and a majority vote of the members of the Faculty to award the teaching qualification for German universities. After the public inaugural lecture, the teaching authorisation (*venia legendi*) is awarded (translated from: Habilitationsordnung der Mathematisch-Naturwissenschaftlichen Fakultät der Universität zu Köln vom 28. Mai 1990).

THESES

Habilitation (1998). ESR Dating: Basic Research and its application to the timing of modern human evolution. 412 + XLIX p., Universität zu Köln.

DSc (1997). Contributions to Quaternary Geochronology, 1239 + XXXV p., The Australian National University, Canberra.

Dissertation (1985). Beiträge zur ESR-Datierung, 157 p., Universität zu Köln.

Diplom (1982). Map: Geologische Kartierung in der Bopparder Hauptmulde, 66 p., Universität zu Köln.

Thesis: $^{230}\text{Th}/^{234}\text{U}$ -Altersbestimmungen an Travertinen aus Stuttgart paläoklimatische Aussagen unter Verwendung veröffentlichter Altersbestimmungen an Travertinen, Höhlensintern und Strandterrassen, 99 p., Universität zu Köln.