

CURRICULUM VITAE

STEPHANUS CORNELIUS BOSHOF (NELIUS)

CONTACT PARTICULARS

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PERSONAL PARTICULARS

Gender : Male
Nationality : South African

ACADEMIC TRAINING

1990 : B.A. in Arts, with majors in Psychology and Sociology, Stellenbosch University
1991 : B.A. Honours in Psychology (cum laude), Stellenbosch University
1995 : M.A. in Research Psychology (cum laude), Stellenbosch University
Currently enrolled for a D.Phil in Science and Technology Studies, Stellenbosch University
(Title: *University research collaboration: The case of medical research in South Africa.*)

On December 10, 1997, I received the certificate for the best masters student in Research Psychology at Stellenbosch University for the period 1995-1997.

CURRENT RESEARCH POSITION

Employer : Centre for Research on Science and Technology, Stellenbosch University
Position : Senior researcher
Period : 1 February 1998 up to present

RESEARCH OUTPUT¹

Contribution in Book

Babbie, E. & Mouton, J. (eds), with contributions by Vorster, J., Payze, C., **Boshoff, N.** & Prozesky, H. (2001). *The Practice of Social Research*. Cape Town: Oxford Publishers.

Refereed Journal Articles

Boshoff, N. (2005). The representation of women academics in higher education in South Africa: Progress in the pipeline? *South African Journal of Higher Education*, 19(2), 359-377.

Boshoff, S.C., Van der Merwe, A.P., Kotzé, H.F. & Van Rooyen, J.W. (1998). Marital or relationship stressors and parents' worries about children in the community of Kayamandi, Stellenbosch. *Social Work/Maatskaplike Werk*, 34(4), 406-411.

Sennett, E., Meyer, J.C., **Boshoff, S.C.** & Burger, L. (1997). Fields of interest and values of a group of student voluntary community workers. *Social Work/Maatskaplike Werk*, 33(1), 81-88.

Papers Presented at International Conferences

Boshoff, N. (2004). Patents and knowledge production, dissemination and utilisation: A case study of research projects in South Africa. Paper presented at the *Joint 4S-EASST Conference*, Paris, France (25-28 August 2004).

¹ I initially used "S.C. Boshoff" as my author name but since 2001 have started to use "N. Boshoff".

Papers Presented at National Conferences

Boshoff, N. (2005). Lactic acid bacteria and winemaking: The fermentation of university-produced knowledge into practice. Paper presented at the *Annual Conference of the South African Sociological Association*, University of Limpopo, Polokwane (26-29 June 2005).

Other Presentations

Boshoff, N. (2005). *Reflections on the study of research collaboration, with special reference to university-industry relationships*. Presentation given at a workshop on university, business and industry partnerships, Central University of Technology, Bloemfontein (24 May 2005).

Boshoff, N. (2005). *Reflections on the study of research collaboration*. Presentation given at CREST M&D Colloquium, Protea Hotel, Stellenbosch (14 March 2005).

Boshoff, N. (2000). *South African science in transition. The view from below: A survey of research establishments*. Presentation given at the Institut de Recherches pour le Developpement (IRD), Paris, France (29 September 2000).

Chapters in Collections

Mouton, J., **Boshoff, N.** & Tjissen, R. (2006). "A comprehensive analysis of South African journals". Chapter 3 (pp. 29-59) in *Report on a Strategic Approach to Research Publishing in South Africa*. Pretoria: Academy of Science of South Africa. (ISBN 0-620-36105-0)

Boshoff, N. & Mouton, J. (2003). "Science policy indicators". Chapter 9 (pp. 208-233) in *Human Resources Development Review 2003: Education, Employment and Skills in South Africa*, by A Kraak & H Perold (eds). Cape Town: HSRC Press and East Lansing: Michigan State University Press. (ISBN 0-7969-2049-4)

Mouton, J. & **Boshoff, N.** (2002). "Research capacity and collaboration". Chapter 4 (pp. 69-102) in: *Strategic Co-operation Scenarios: Post-school Education in the Eastern Cape*, by P. Pillay & N. Cloete (eds). Pretoria: Centre for Higher Education Transformation. (ISBN 1-919833-32-3)

Research Reports and Contributions to Research Reports²

(a) Research reports with individual authors/contributors listed

Mouton, J. & **Boshoff, N.** (2005). *Investigation into the Stellenbosch University trademark*. Centre for Research on Science and Technology, Stellenbosch University.

Boshoff, N. (2005). Lactic acid bacteria and winemaking. Case study 1 (pp. 15-87) in: *The dynamic of knowledge production and utilisation: Fifteen case studies*, by T. Bailey (ed). Centre for Research on Science and Technology, Stellenbosch University.

Boshoff, N. (2005). Running a collaborative research project as a shareholding company. Case study 5 (pp. 200-241) in: *The dynamic of knowledge production and utilisation: Fifteen case studies*, by T. Bailey (ed). Centre for Research on Science and Technology, Stellenbosch University.

Boshoff, N. (2005). Sequence Tag Alignment and Consensus Knowledgebase. Case study 3 (pp. 145-168) in: *The dynamic of knowledge production and utilisation: Fifteen case studies*, by T. Bailey (ed). Centre for Research on Science and Technology, Stellenbosch University.

Boshoff, N. & Mouton, J. (2005). *A survey of research utilisation*. Centre for Research on Science and Technology, Stellenbosch University.

Boshoff, N. (2004). Human resources. Section D (pp. 71-93) in: *Women in science, engineering and technology in South Africa*, by T. Bailey (ed). Centre for Research on Science and Technology, Stellenbosch University.

² The Centre for Research on Science and Technology (CREST) was previously known (until September 2003) as the Centre for Interdisciplinary Studies (CENIS).

Boshoff, N. (2004). Funding allocations and scientific rating. Section G (pp. 121-139) in: *Women in science, engineering and technology in South Africa*, by T. Bailey (ed). Centre for Research on Science and Technology, Stellenbosch University.

Mouton, J., **Boshoff, S.C.** & Bailey, T.G. (2002). *The promotion of S&T capacity in South Africa*. Centre for Interdisciplinary Studies, Stellenbosch University.

Mouton, J. & **Boshoff, S.C.** (2001). *South African science in transition*. Centre for Interdisciplinary Studies, Stellenbosch University.

Boshoff, S.C., Grebe, E., Mouton, J., Ravat, E., Ravjee, N. & Waast, R. (2000). *Science in South Africa: History, institutions & statistics*. Centre for Interdisciplinary Studies, Stellenbosch University.

Boshoff, N. & Mouton, J. (2000). *Taal- en kommunikasievaardighede van studente aan die Universiteit van Stellenbosch: 'n Behoeftebepaling*. Centre for Interdisciplinary Studies, Stellenbosch University.

Boshoff, S.C., Van der Merwe, A.P., Van Rooyen, J.W. & Kotzé, H.F. (1993). *Die sosiaal-sielkundige probleme van die inwoners van Kaya Mandi, Stellenbosch*. Department of Psychology and Unit for Clinical Psychology, Stellenbosch University.

(b) Research reports attributed to organisations

CREST (2006). *A bibliometric profile of research at the University of the Free State*. Centre for Research on Science and Technology, Stellenbosch University.

(Contribution by **N. Boshoff**: I am one of the two main authors of the report and also produced the majority of tables and figures.)

CREST (2006). *A bibliometric profile of research at the University of the Witwatersrand*. Centre for Research on Science and Technology, Stellenbosch University.

(Contribution by **N. Boshoff**: I am one of the two main authors of the report and also produced the majority of tables and figures.)

CREST (2006). *The Vaal University of Technology (VUT): A research profile*. Centre for Research on Science and Technology, Stellenbosch University.

(Contribution by **N. Boshoff**: I am one of the two main authors of the report and produced the tables and figures.)

CREST (2005). *A monitoring and evaluation framework to benchmark the performance of women in the NSI*. Centre for Research on Science and Technology, Stellenbosch University.

(Contribution by **N. Boshoff**: I was centrally involved in the generation and organisation of the constructs and indicators in the framework, and principally responsible for the section on data sources. I also contributed substantially to the section on application of the framework.)

CREST (2004). *Research at the University of Stellenbosch: A bibliometric study*. Centre for Research on Science and Technology, Stellenbosch University.

(Contribution by **N. Boshoff**: I was responsible for key aspects of the master data file and produced the statistical analysis and graphs.)

NACI (2003). *A profile of postgraduate higher education and the academic research community in South Africa*. National Advisory Council on Innovation.

(Contribution by **N. Boshoff**: I produced the narrative as well as the statistical analysis and graphs for Section 5 on “The higher education system: Research capacity and productivity in terms of scientific output”.)

NACI (2002). *South African science and technology: Key facts and figures 2002*. National Advisory Council on Innovation.

(Contribution by **N. Boshoff**: I produced the graphs and interpretative notes for Section 6 on “R&D outputs”.)

University Occasional Papers

Boshoff, S.C. (1995). Population growth and sustainable development. *Business Futures Bulletin*, 2(2). Bellville: Institute for Futures Research, Stellenbosch University.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the South African population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 26.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Western Cape population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 27.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Northern Cape population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 28.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Eastern Cape population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 29.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Free State population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 30.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the North-West population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 31.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Gauteng population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 32.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Northern Province population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 33.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the Mpumalanga population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 34.

Haldenwang, B.B. & **Boshoff, S.C.** (1996). *Forecasts of the KwaZulu/Natal population, 1991-2026*. Bellville: Institute for Futures Research, Stellenbosch University. Occasional Paper No 35.

TEACHING EXPERIENCE AT TERTIARY LEVEL

- 2001-2006 : *Introductory Social Statistics using SPSS* to masters and doctoral students in Social Sciences Research Methods at the Department of Sociology, Stellenbosch University.
- 2003 : *Data Management and Data Analysis with SPSS* to masters and doctoral students in Social Sciences Research Methods at the Department of Sociology, Stellenbosch University.
: *Psychometrics* for Honours Psychology at the Department of Psychology, Stellenbosch University.
- 2000 : *Survey Methodology* to masters and doctoral students in Social Sciences Research Methods at the Department of Sociology, Stellenbosch University.
- 1999-2000 : *Measurement, Reliability and Construct Validity* to masters and doctoral students in Social Sciences Research Methods at the Department of Sociology, Stellenbosch University.
- 1996-2000 : *Psychological Research* for Psychology III at the Western Cape Learning Centre, University of South Africa.
- 1997-2000 : *Industrial Psychological Research* for Industrial Psychology II at the Western Cape Learning Centre, University of South Africa.
- 1997 : *Research Methodology, Statistics and Psychometry* for Psychology III at the Medical Campus of Stellenbosch University.

POSTGRADUATE SUPERVISION

- 2000 : Co-supervisor of a masters student in Social Sciences Research Methods, Stellenbosch University (Title: *Methodological issues in the measurement of poverty: An analysis of two poverty surveys in Lesotho.*)

TRAINING AND WORKSHOPS PRESENTED

- 2006 : A workshop on *Data Manipulation and Elementary Data Analysis using SPSS*, for staff at the National Research Foundation (NRF).
- 2006 : Training in *Questionnaire Design*, for Carnegie Foundation grant holders at the Makerere University in Kampala, Uganda.
- 2006 : Training in *Questionnaire Design*, for Carnegie Foundation grant holders at the University of Dar es Salaam, Tanzania.
- 2005 : Training in the *Manipulation and Analysis of HEMIS Data* for the database technician at the Council for Higher Education (CHE)
- 2004 : A workshop on *Data Analysis using SPSS*, for the Faculty of Health at the Durban Institute of Technology.
- 2003/2004 : Workshops on *Data Manipulation and Analysis using Microsoft Access, Excel and SPSS*, for the Gauteng Department of Education.
- 2003 : A workshop on *Data Analysis using SPSS*, for the CHESP (Community, Higher Education & Service Provider Partnership) project of the Joint Education Trust.
- 2002 : A workshop on *Microsoft Access as a Research Tool*, for the Research Capacity Initiative of the South African-Netherlands Research Programme on Alternatives in Development (SANPAD).
- 2001 : A workshop on *Microsoft Access as a Tool for Social Research*, for the Budget Information Unit at IDASA.
- 2000 : Training in data management in *Educational Programme Evaluation*, as part of a series of workshops for the National and Provincial Departments of Education, sponsored by the European Union.
: A workshop on *Constructing Questions and Questionnaires; Data Capturing in Microsoft Access; and Elementary Data Analysis* for staff and students at the Cape Technikon.
- 1999 : In-service training in *Microsoft Access* and *SPSS* to staff at the Primary Open Learning Pathway Trust (POLP). The latter is an educational NGO with a focus on over aged learners, situated in Rylands in the Cape Flats.

CONSULTATIONS

- Questionnaire design for:
 - Cotlands (2001)
 - Ethics Institute of South Africa (2001)
 - Evaluation Research Agency (ERA) (2000-2005)
 - Faculty of Arts, Stellenbosch University (2000)
 - Inclusive and Affirmative Ministries (IAM) (2000)
 - Unit for Environmental Ethics, Stellenbosch University (2002)
- Database design in MS Access for:
 - National Skills Research Agency (NASRA), JobWorx (2006)
 - Centre for Skills Development & Technology Transfer, Durban Institute of Technology (2004)
 - Research Development Office, Stellenbosch University (2004)

- Data manipulation and analysis for:
 - Centre for Higher Education Transformation (CHET) (2004)
 - Centre for Learning and Development, Stellenbosch University (2005)
 - CHESP project of the Joint Education Trust (JET) (2002-2005)
 - Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) (2001)
 - Evaluation Research Agency (ERA) (2000-2005)
 - Inclusive and Affirmative Ministries (IAM) (2001)
 - Primary Open Learning Pathway Trust (POLP) (1998/99)
 - Primary Science Programme, Western Cape (1998)
 - Prof Lena Green, Department of Education, University of the Western Cape (2003)
 - RAPCAN (2003)
 - Scientific and Industrial leadership Initiative (SAILI) (2002-2005)
 - Unit for Environmental Ethics, Stellenbosch University (2003)
 - Unit of Family Planning and Reproductive Health, Stellenbosch University (2001, 2005)
