



ROLAND SCHIEFER

CURRICULUM VITAE

CONTACT

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Austrian citizen

PROFILE

I love to be part of a cycle in which we shape our tools and watch our tools shape us in turn - and would like to help nudging it, so that our old selves and our new selves can be friends.

SKILLS

- Finding innovative solutions
- Broad R&D experience
- Entrepreneurship
- Team-building
- Project management
- Scientific translation
- Writing non-fiction

LANGUAGES

- English
- German

INTERESTS

- Public speaking
- Yoga
- Walking/hiking
- History
- Future of humankind

EXPERIENCE

2000-current: **Translator** (self-employed)

- German < - > English • Scientific, medical, engineering, patents, contracts

2000-current: **Writer**

- **All in the mind** (2011, Amazon, Kindle) • Technology will allow us to become smarter and choose how we feel and what we want out of life • How to make such a society stable?
- How to introduce the key structures required within a decentralised, market-based system?
- **Catalysing the development of Artificial Intelligence Tools** (2015, <https://transpolitica.org/2015/04/07/>) • On making preferred development outcomes more likely

1997-2000: **Co-founder and Technical Director**

Cyber Connections, Midrand, South Africa.

- Design and building of five computer centres for students with 100-200 terminals each
- Individualised presentation of advertisements and evaluation of user responses

1995-1997: **Business Development Specialist**

Communication and Information Networking Technology, CSIR (Council for Scientific and Industrial Research), Pretoria, South Africa

- Analysis of customer requirements • Conceptual design of solutions combining internal and external resources • Input into division's strategic business planning

1993-1995: **Technical Specialist**

Production and Aeronautical and Systems Technology, CSIR, Pretoria, South Africa

- Development of ticket vending system (design of vending machine, interactive voice response)
- Design, market analysis and functional demonstrator of haulier-shipper broking system

1982-1993: **Team Leader**

Human Factors Programme, CSIR, Pretoria, South Africa

- Development of neural-network-based land-use classification on satellite images • Development of wireless physiological monitoring systems • Large scale studies of thermal stress on the performance of workers, soldiers and school children • Use of Facet Analysis for attitudinal surveys in low-cost housing • Team building

1979-1982: **Software Developer and Project Coordinator**

Pestel Institute, Hannover, Germany

- Development of a scenario-based, computer-aided planning tool for energy supply systems

1977-1979: **Research Scientist**

Institute for Aerospace Medicine, German Aerospace Establishment (DLR), Bonn Germany

- Modelling of gas transport in divers • Testing of decompression tables on humans in pressure chamber • Application on diving ship in the North Sea • Simulations for submarine escape

EDUCATION

1991: **PhD, Faculty of Medicine**

University of the Witwatersrand, Johannesburg, South Africa

Thesis: Thermal effects on the performance of school children

- Tests on different age and population groups • 1642 subjects at temperatures between 14°C and 34°C using a mobile air-conditioning unit • Design and development of 40 mini-terminals recording multiple-choice responses, response time and finger temperature

1970-1977: **MSc in Biology (Biophysics)**

Albert-Ludwig-University, Freiburg, Germany. Study: 1970-1976. Thesis: Simulation of the effect of environmental conditions on the carbon balance of *Daphnia pulex* Ge Geer (in German).