

# Dr Alan Barnard, PhD - Short Bio

## Contact Details

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## Personal Particulars

**Born:** 31 May 1969

**Nationality:** South African.

**Marital Status:** Married on 11/01/98 to Laura.

**Children:** Two Sons, Christian (15/5/06) and Francois (25/7/07).

**Language :** Fluent in English, Afrikaans and Dutch

**Goal in Life:** To contribute by helping individuals and organizations SEE and UNLOCK the inherent potential within themselves and the organizations they are part of.



## Academic and Professional Qualifications

- PhD in Management of Technology & Innovation, from the Da Vinci Institute for Technology in 2009 with a thesis titled "How to identify and unlock inherent potential within organizations (private & public) and individuals?"
- MSc MOTI (Management of Technology and Innovation), from the Da Vinci Institute of Technology in 2007.
- BSc (Industrial Engineering.), Cum Laude, University of Witwatersrand, 1991.
- Certified at the "implementer" level in all Theory of Constraints (TOC) applications (Operations, Finance, Projects, Supply Chain, Thinking Processes and Holistic Business Strategy) by the "Theory of Constraints International Certification Organization (TOCICO)

## Business Experience

- Alan has been a practitioner, educator, project leader, strategy advisor and author in Theory of Constraints (TOC) for the last 15 years working directly with Dr. Eli Goldratt (developer of Theory of Constraints) on developing new TOC knowledge and leading TOC analysis and implementations on the more complex cases in partnership with global companies such as Random House Publishing, SAP, Cisco Systems, BHP Billiton Mining British Columbia Rail, African Explosives, Afrox Gas, SABMiller, Premier Foods, SAP, UN WFP, InWEnt, ABB, Tata Steel, Adidas
- Alan is also leading a capacity building partnership with UN Development Program and InWent to help African Cities to apply Theory of Constraints to "do more with less in less time" as part of their global "Sustainable Cities Program"
- Alan is a frequent presenter at International conferences on topics such as "How to do more with less in less time" and "How to overcome resource and time constraints?" within public and or private organizations.
- In 2009, Alan was invited as one of the recognized international experts on Theory of Constraints to contribute two chapters to the "Theory of Constraints Handbook" that will be published by McGraw Hill Publishing in 2010.

## Honorary Positions

- Founding Board Member of TOCICO (Theory of Constraints International Certification Organization) and served as the longest standing President and Chairman of the board (2003 to 2005). In 2006, Alan was awarded a Life Time achievement award and membership for his "life time" contribution to TOCICO and to the TOC body of knowledge
- Past President of SAPICS, the Professional Society for Supply Chain Management of Africa (
- Alan has been serving as a judge in the South African National Logistics Achiever Awards since 2001 to present.

### **Current Company Positions**

- CEO of Goldratt Research Labs Inc, based in Boston USA, a research company that partners with leading organizations around the world such as ABB, Random House Publishing, Ditch Witch, Cisco Systems, Larsen & Toubro etc to develop new knowledge and simple constraint focused solutions to complex problems using Theory of Constraints ([www.goldrattresearchlabs.com](http://www.goldrattresearchlabs.com))
- Chairman of Realization Africa, the African division of Realization Inc, a software company that supply the leading Multi-Project Critical Chain Project Planning & Execution Management software to organizations such as NASA, US Marines & Navy, Boeing, Proctor & Gamble, BHP Billiton, Hewlett Packard, Premier Foods, Tata Steel etc. ([www.realization.com](http://www.realization.com))
- Director, Goldratt Group Africa, an education and consulting company that partners with private and public organizations in Southern Africa such as SABMiller, African Explosives, Goldfields etc. to implement Theory of Constraints with a significant portion of the fees conditioned on improved financial performance and profitable growth. ([www.goldratt.co.za](http://www.goldratt.co.za))
- CEO of The Odyssey Institute, a not-for-profit organization that helps young people around the world to apply Theory of Constraints to their own lives to set and achieve ambitious goals by systematically identifying and overcoming constraints. ([www.toc-goldratt.com/odyssey](http://www.toc-goldratt.com/odyssey))

### **Professional References**

Prof. Roy Marcus, CEO of Da Vinci, who served as Dr Barnard's PhD Academic Supervisor  
[roy@davinci.ac.za](mailto:roy@davinci.ac.za)

Dr Graham Edwards, CEO of AECl, who served as Dr Barnard's PhD Field Supervisor  
[gne@aeci.co.za](mailto:gne@aeci.co.za)

Dr Eli Goldratt, CEO of Goldratt Group, who has been a mentor to Dr Barnard since 1992  
[EGoldratt@aol.com](mailto:EGoldratt@aol.com)

Dr James Holt, President of TOCICO, who has served with Dr Barnard on the board of TOCICO – Theory of Constraints International Certification Organization.  
[jholt@wsu.edu](mailto:jholt@wsu.edu)

Dr Anne Githuku, UN Development Program Director who has worked with Dr Barnard on research to apply Theory of Constraints to help the Public Sector achieve more with less in less time, despite the scarcity of resources and budgets.  
[anne.githuku@undp.org](mailto:anne.githuku@undp.org)