

Prof. Dr. Dr. h.c. Markus A. Reuter

Director at Helmholtz Institute for Resource Technology, Freiberg, Germany
29th April 1959, Stellenbosch

- <http://fi.linkedin.com/pub/markus-reuter/11/195/90>
- https://www.researchgate.net/profile/Markus_Reuter3?ev=prf_high

DEGREES

- **2015:** Honorary Doctorate (Dr. h.c.) Université de Liège (*Belgium*)
- **2006:** Doctorate in Engineering (D.Eng.), Stellenbosch University (*South Africa*)
- **1995:** Dr. habil., RWTH Aachen (*Germany*)
- **1991:** PhD, Stellenbosch University (*South Africa*)
- **1985:** M. Eng., Stellenbosch University (*South Africa*)
- **1981:** B.Eng. (Hons – Cum Laude), Stellenbosch University (*South Africa*)
- **1976:** Paul Roos Gymnasium (A-aggregate), Stellenbosch (*South Africa*)



INDUSTRY CAREER

- **2006-2015 Outotec & Ausmelt: Director Technology Management** at Outotec Finland since 2010, after being **Chief Executive Technologist** of Ausmelt, Australia (2006-2010) when Outotec acquired Ausmelt (www.outotec.com)
- **1994-1996 Mintek:** South Africa (Managing ferroalloys furnace control group)
- **1984-1985 Anglo American Corporation:** South Africa (Process metallurgist)

ACADEMIC CAREER (also co-current with industry career)

- **2015 to present:** Director Helmholtz Institute for Resource Technology, Freiberg, Germany (www.hzdr.de)
- **2015 to present:** Honorary Professor at Technical University Bergakademie Freiberg (Germany)
- **2012 to present:** Adjunct Professor at Aalto University, Finland
- **2005 to present:** Professor and now Professorial Fellow at the University of Melbourne (Australia)
- **2012 to 2017:** Guest Professor at Central South University (China)
- **1996-2012:** Professor to 2005 and Emeritus at TU Delft (Netherlands)
- **1997-2007:** Adjunct Professor University of Stellenbosch (South Africa)
- **1989-1994:** Research Scientist RWTH Aachen, Germany (Germany)
- **1987-1989:** Senior lecturer University of Stellenbosch (South Africa)
- **1985-1987:** Researcher– In-service training in science of black teachers, University Free State (South Africa)

VARIOUS AWARDS

- **2016:** TMS EPD (US) *Distinguished* Lecture Award 2016 (<http://link.springer.com/article/10.1007/s11663-016-0735-5>) (http://www.tms.org/portal/PROFESSIONAL_DEVELOPMENT/Honors_Awards/Past_Recipients/portal/Professional_Development/Honors_Awards/Past_Recipients.aspx?hkey=d575f8c2-00be-46fe-860d-fec3c0e3f31e)
- **2015-2016:** SME (USA) Henry Krumb Lecturer Award (<http://test.smenet.org/membership/groups/henry-krumb-lecture-series>)
- **2014:** 1st Prize Publication Award: International Solid Waste Association for “*Handbook of Recycling-Elsevier*” (<http://www.iswa.org/>) Co-Authored with Ernst Worrell (Uni Utrecht)
- **2014:** TMS *Science* Award: Best paper in Metallurgical Transactions B (2013) (http://chem.aalto.fi/EN/current/current_archive/news/2014-02-02/)
- **2013:** Outotec *Technology* Award - Awarded to individuals that enhance the commercial success of Outotec
- **2013:** Lead author of a 2nd report on recycling for *United Nations Environmental Protection (UNEP): Metal Recycling: Opportunities, Limits, Infrastructure* (<http://www.resourcepanel.org/reports/metal-recycling>)
- **2007:** Selected as one of the 100 Most Influential Melburnians (Category Environmental), Published by The Age Newspaper (Published by Fairfax Ltd., Sydney), December 14th 2007 Magazine (www.theage.com.au)
- **2002:** My research group of ca. 50 people “Resource Engineering” rated “Excellent / 18 marks out of 20” by an international visitation commission organized by the Dutch Government Committee for Universities (www.vsnu.nl). Only 10 % of the professors at the university have this rating.
- **1995:** Friedrich Wilhelm Prize for Habilitation: RTWH Aachen Germany (www.rwth-aachen.de)

POSITIONS OF TRUST, PUBLICATIONS, PATENTS, VARIOUS

- Member of Scientific Advisory Committee (SAC): SFI Metal Production, Norway (ALCOA, General Electric, Hydro, Eramet, Elkem, Glencore, FESIL, Wacker, TiZir, Alstom): <https://www.ntnu.edu/web/metpro/cr-met-metal-production>
- Member of SAC: K1-MET (voestalpine etc.), Austria: <http://www.k1-met.com>
- Member of SAC: Prometia, France: <http://prometia.eu>

- Chair of SAC: DeCoMo Finnish Academy of Science Project, Finland: <http://www.mit.jyu.fi/optgroup/decomo/decomo>
- Member of SAC: Centre for Minerals Research, South Africa: <http://www.cmr.uct.ac.za>
- Member of SAC: VIRTHUCON: <http://tu-freiberg.de/node/20591>
- Member of GDMB Board: www.gdmb.de
- Principle author of the book “Metrics of Material and Metal Ecology” (Elsevier)
- Circular Economy product design for Fairphone, a unique model: “How recyclable is the Fairphone 2: <https://www.fairphone.com/en/2017/02/27/recyclable-fairphone-2/>”
- Editorial Board: Minerals Engineering (Elsevier), Journal of Sustainable Metallurgy (Springer)
- >400 publications in books, encyclopaedias, journals and conference proceedings (H factor: Scopus 25, Google 34) <http://scholar.google.co.uk/citations?user=5cLC8VEAAAAJ&hl=en&oi=ao>
- 5 Patent Families in which >67 patents have been awarded
- Numerous plenary lectures globally on recycling, circular economy, process metallurgy etc.

Videos of interest

- <https://youtu.be/3uAkF7hgHJQ>
- <https://connect.funet.fi/p2fjyy1sq96/>
- <https://connect.funet.fi/p8hji1n0269/>
- <https://www.youtube.com/watch?v=0WE72HB7asY&sns=em>
- <http://www.ubraintv.com/watch.php?id=842>
- <https://www.youtube.com/watch?v=rzmAyKQyGDA>