Prof. Dr. Dr. h.c. mult. Markus A. Reuter *ORCID: 0000-0003-0500-4863*

Current positions
Director Helmholtz Institute Freiberg for Resource Technology, Germany (since 2015)
Honorary Professor, TU Bergakademie Freiberg, Germany (since 2015)
Adjunct Professor Curtin University, Australia (since 2018)

Previous positions
Chief Technology Officer Ausmelt Australia & Director Technology Management Outotec Australia and Finland (2006-2015)
Professor at TU Delft, The Netherlands (1996-2005)

Scientific degrees
PhD Stellenbosch University, South Africa (1991), Dr. habil. RWTH Aachen, Germany (1995), DEng Stellenbosch University, South Africa (2006).

Recent research topics
Process metallurgy, Product and process design, Circular Economy

Awards, honors
Honorary Doctorate University of Liège, Belgium (2015)
Honorary Doctorate University of Stellenbosch, South Africa (2017)
EPD Distinguished Lecture Award TMS www.tms.org (2016)

Publications/Patents (5 most important)

- **M.A. Reuter,** A. van Schaik**, J. Gutzmer, N. Bartie, A. Abadías Llamas**, Challenges of the Circular Economy - A metallurgical and product design perspective, *Annu Rev Mater Res.* 49 (2019) in press
- **B. Michaux, J. Hannula, M. Rudolf, M.A. Reuter**, et al., Water-saving strategies in the mining industry – The potential of mineral processing simulators as a tool for their implementation, *J Environ Manage.* 234, 546 (2019) doi:10.1016/j.jenvman.2018.11.139
- **R.F. van Schalkwyk, M.A. Reuter, J. Gutzmer**, M. Stelter, Challenges of digitalizing the circular economy: Assessment of the state-of-the-art of metallurgical carrier metal platform for lead and its associated technology elements, *J Clean Prod.* 186, 585 (2018) doi:10.1016/j.jclepro.2018.03.111
- **M.A. Reuter**, Digitalizing the Circular Economy - Circular Economy Engineering defined by the metallurgical Internet of Things-, 2016 TMS EPD Distinguished Lecture, USA, *Met. Trans. B*. 47(6), 3194 (2016) doi:10.1007/s11663-016-0735-5
- R. Matusewicz, **M.A. Reuter**, Fluid cooled lances for top submerged injection, US9,829,250 (2017)