

Christopher Hebling

Position/Department/Division/Institution/Organization

Director, Hydrogen Technology, Fraunhofer Institute for Solar Energy Systems, ISE

Country

Germany

Career history

Since 05/2019	Honorary Professorship at the University of Cape Town, South Africa
Since 01/2018	Director Division Energy Technologies and Systems at Fraunhofer ISE (approx. 450 staff, scientists, engineers and students)
Since 04/2011	Director Division Hydrogen Technologies (approx. 100 staff, 95% external project funds)
01/2001 – 03/2011	Head of department Energy Technologies
10/1999 – 12/2005	Founder and Head of the group ‘Micro Energy Technology’ (Approx. 40 staff)
01/1992 – 10/1999	Scientist in the silicon solar cell department at Fraunhofer ISE

Awards/Publications

Publication of more than 150 journal and conference papers

(Main topics: Integrated Energy Systems, Hydrogen in Sector Coupling, Crystalline Silicon Thin-Film

Solar Cells, Micro-energy Technology, Power MEMS, PEM fuel cells, PEM Electrolysis, Power-to-Liquid)

- 5170 citations in total
- h-index = 29 (Jan. 2019)
- www.ise.fraunhofer.de/de/geschaeftsfelder/wasserstofftechnologien.html#conference-paper

Areas of expertise

05/2019	Honorary Professorship at the University of Cape Town, South Africa
11/1998	Ph.D. in physics, University Konstanz (“Summa Cum Laude”)
04/1993 - 10/1998	Ph.D. thesis ‚Die kristalline Silicium-Dünnschichtsolarzelle auf isolierenden Substraten‘ , Crystalline Silicon Thin-Film Solar Cells on Insulating Substrates‘ Fraunhofer ISE, Freiburg
04/1992	Diploma in physics
04/1991 – 09/1992	“Untersuchungen von Defekten an Solarzellenmaterial mittels Fourierspektroskopie” „Investigations of Defects in Solar Cell Materials by Means of Fourier Spectroscopy“
10/1985 – 12/1991	Albert-Ludwigs-Universität Freiburg, Faculty of Physics
06/1982	High school graduation (Abitur)
08/1973 – 06/1982	High school (Heissenberg Gymnasium Weinheim)
08/1969 – 06/1973	Elementary school