

Prof. Dr. Eicke R. Weber

Director & CEO

Berkeley Education Alliance for Research in Singapore Limited



Date of Birth: October 28, 1949

Fields of Expertise:

Solar Energy Systems, Defect Engineering in Silicon Solar Cells with high metal content, Solar cells from organic materials

Professional Experience

2006 – 2016	Director of the Fraunhofer Institute for Solar Energy Systems (ISE), Freiburg and Professor for Physics and Solar Energy at the Faculty of Mathematics and Physics and at the Faculty of Engineering at the Albert-Ludwigs-University Freiburg, Germany
1983 – 2006	Professor in the Department of Materials Science and Engineering, University of Berkeley, California
1983	Habilitation in Physics at the University of Cologne
1976	PhD in Physics at the University of Cologne

Special Assignments

2010 – present	Member of acatech – the German Academy of Science and Engineering, Berlin
2008 – 2013	Director, SEMI Internation Board of Directors
2004 – 2006	Chair of the interdisciplinary Nanoscale Science and Engineering Graduate Group, University of Berkeley, California

About Berkeley Education Alliance for Research in Singapore

The Berkeley Education Alliance for Research in Singapore (BEARS) center is a University of California center for research, graduate education, and innovation with the goal of achieving an international reputation. BEARS serves as an intellectual hub for interactions between UC Berkeley researchers and their counterparts from universities, polytechnics, research institutes, and industry in Singapore and Asia. Collaborations have already been established with Nanyang Technological University (NTU) and the National University of Singapore (NUS). BEARS will develop a broad network of partnerships and relationships with government agencies, universities, and industries in Singapore and in the region beyond. UC Berkeley expects the impact of BEARS to be the creation of new industry sectors in information technology, energy technologies, engineering, construction and related areas.

Funded by the government of Singapore through the National Research Foundation's Campus for Research Excellence and Technological Enterprise (CREATE) initiative, BEARS is a non-profit University of California company incorporated in Singapore and managed by UC Berkeley. BEARS has launched its headquarters and two major interdisciplinary research groups (IRGs) led by more than 20 senior UC Berkeley faculty and focused on the development of technology solutions for sustainable, low carbon, low-greenhouse gas emission energy solutions on both the supply and demand sides.

Currently, continuous cohort of UC Berkeley professors, post-doctorates, and PhD students on extended research stays at BEARS headquarters in the new CREATE campus in Singapore. Major research interactions involve groups of post-doctoral fellows and PhD students from UC Berkeley, as well as affiliated researchers from other institutions across the globe that are also working within the CREATE campus. The SinBerBEST and SinBerRISE programs, together, are expected to engage more than 100 faculty, researchers, post-doctorates, Ph.D. students, and staff at BEARS.