Curriculum Vitae (January 2021)

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Scientific curriculum and full list of publications:
`http://phyweb.physics.nus.edu.sg/~phyebg/Papers/BGE_Papers.pdf`.

Web of Science publication statistics (h-index = 39):
`http://www.researcherid.com/rid/G-2286-2012`.

Google Scholar publication statistics (h-index = 51):
`https://scholar.google.com.sg/citations?hl=en&user=ttUoRO4AAAAJ`.

Personal information

Born 4 November 1953, married, two children (41 and 38 years); citizen of Germany; fluent in German, English, Polish.

Education—Academic qualifications

1978	Diploma in Physics, University of Tübingen, Germany
1981	Dr. rer. nat., University of Tübingen, Germany
1990	Habilitation, University of Munich, Germany

Positions held

1981–85	Postdoc, University of California at Los Angeles, USA
1985–95	Akademischer Rat; Oberassistent, Privatdozent (from 1991), University of Munich, Germany
1995–2003	Visiting Professorships in France, Germany, Austria, USA, Italy, Singapore
since June 2003	Professor, NUS
since January 2008	Principal Investigator, CQT
since January 2014	Vice-Director, MajuLab, CNRS-UCA-SU-NUS-NTU International Joint Research Unit, UMI 3654, Singapore

Research

1981–93	Semiclassical theory of atoms (monograph in 1998)
1989–98	Classical-quantum boundary
1991–now	Complementarity and wave-particle duality
1993–now	Quantum optics: micromaser theory; master equations; cavity QED (review article in 2006)
1997–now	Quantum information: quantum cryptography (“Singapore protocol” 2004); quantum communication; quantum computation; mutually unbiased bases (review article 2010); quantum state tomography and estimation; sampling from the quantum state space
2001–now	Ultracold trapped fermionic atoms

Awards

1976–81	Fellow of the German National Academic Foundation
1981–85	Feodor Lynen Fellow of the Humboldt Foundation
2003, 2008	Faculty teaching awards, NUS
2006	National Science Award, Singapore (Co-Recipient)
2008	Outstanding Referee, American Physical Society
2009–12	Provost's Chair in Science, NUS
2012	Fellow of the Institute of Physics (IPS), Singapore
2014	Distinguished Referee, European Physical Journal
2015	Fellow of the American Physical Society
2020	IPS President Medal for 2019

Boards

1997–99	Member of the Editorial Board, Physical Review A
2000–11	Associate Editor, Zeitschrift für Naturforschung
2001–16	Member of the Board of Editors, Lecture Notes in Physics Book Series, Springer Verlag
2002–now	Member of the Board of Directors, Scientific Secretary Julian Schwinger Foundation for Physics Research
2002–now	Managing Editor, International Journal of Quantum Information
2012–2019	Co-Editor, Europhysics Letters

Five most cited papers (citation count on 17 January 2021)

M. O. Scully, B.-G. Englert, and H. Walther
Quantum optical tests of complementarity
Nature **351**, 111–116 (1991)
[603/1046 citations (Web of Science/Google Scholar)]

B.-G. Englert
Fringe Visibility and Which-Way Information: An Inequality
Physical Review Letters **77**, 2154–2157 (1996)
[504/856 citations]

H. Walther, B. T. H. Varcoe, B.-G. Englert, and T. Becker
Cavity Quantum Electrodynamics
Reports on Progress in Physics **69**, 1325–1382 (2006)
[477/878 citations]

T. Busch, B.-G. Englert, K. Rzążewski, and M. Wilkens
Two Cold Atoms in a Harmonic Trap
Foundations of Physics **28**, 549–559 (1998)
[477/770 citations]

A. Beige, B.-G. Englert, C. Kurtsiefer, and H. Weinfurter
Secure communication with a publicly known key
Acta Physica Polonica A **101**, 357–368 (2002)
[357/522 citations]