

Curriculum Vitae

Academic Titles Prof. Dr. rer. nat.

Surname, Name **Karl-Heinz Gericke**

Faculty Affiliation Faculty of Life Sciences

Division or Department Institut für Physikalische und Theoretische Chemie

University or other Institution University of Technology Braunschweig

City D-38106 Braunschweig

Date of Birth 3. June 1951

Address

Technische Universität Braunschweig
Hans-Sommer-Str. 10
38106 Braunschweig

Phone: (+49) 531 391-5326
E-mail: k.gericke@tu-bs.de

Research Interest s

Micro structured electrode plates (MSE), generation and analysis of plasma at ambient pressures, chemical plasma processes; dynamics of stereo- and state selected processes; mode selective chemistry; 3D Detection of product recoil momentum in chemical elementary processes; Fluorescence Lifetime Imaging in living cells; single molecule detection; ¹⁵N detection for human breath analysis and plant emission.

Academic vitae (2005)

2003	Dean of Chemistry and Pharmacy	Technische Universität Braunschweig
2001	Guest Professor	Stanford University, USA Wuhu University, China
1996	Full Professor for Physical Chemistry, C4	Institut f. Physikalische u. Theoretische Chemie, TU Braunschweig
1990	Habilitation in Physical Chemistry	University of Frankfurt
1982	Humboldt fellow (Feodor von Lynen)	Institute of Physical Chemistry, University of Utah, USA
1981	Doctoral degree Dr. phil. nat.	Physical Chemistry University of Frankfurt
1978	Research assistant	Institut f. Phys. u. Theoretische Chemie, University of Frankfurt
1977	Development and construction of a high power Nd:YAG pumped dye laser	Institut für Quantenoptik, University of Hannover
1976	Diploma in Physics	Institut für Quantenoptik, University of Hannover

Total number of refereed publications: >130

Total number of supervised PhDs: 20 + current PhD students: 7

Total Number of Patents: 4 +1 (pending)