

# Biographical Information for R. Fabian Pease

William Ayer Professor of Electrical Engineering, Stanford University.

## Degrees:

B.A. Natural Sciences Cambridge University, 1960

MA, PhD Electrical Engineering, Cambridge University, 1964

## Professional Experience:

Assistant Professor of Electrical Engineering, Univ. California Berkeley 1964,

Member of the Technical staff, Bell Laboratories, (research in digital television), 1967, Supervisor Electron Beam Exposure Group (responsible for developing processes for electron beam mask manufacture), 1971,

Professor of Electrical Engineering, Stanford University, 1978-

Sabbatical Leave Affymetrix Co. (printing DNA micro arrays) 1993-94

Assigned to Electronics Technology Office, DARPA, 1996-98 (launched programs in Advanced microelectronics and molecular-level printing),

Co-founded Brion Technologies Inc. 2002; developing hardware and software products for enhancing photolithography,

## Research interests:

Micro- and nano-fabrication, nano-device engineering, electron- and ion-optics and non- conventional lithography for manufacturing,

## Honors and Awards:

Title A (prize) Fellowship, Trinity College, Cambridge, 1963, IEEE Paul Rappaport Award (with David Tuckerman) 1981,

Richard P. Feynman prize for nanofabrication (with T. H. Newman) 1985, National Academy of Engineering, 1997, IEEE Cleo Brunetti Award, 2001.