

Curriculum Vitae

Yorke J. Brown, PhD

96 King Road
Etna, NH 03750
(603)643-0518
yjb@yorkebrown.com
www.yorkebrown.com

EDUCATION

PhD (Physics), University of Virginia, 1979.
Studied dissipation effects in He-II under George Hess.
BS (Physics), Virginia Polytechnic Institute and State University, 1972.
Studied electrical properties of lipid membranes under Dale Long.
Physics Major, Western Maryland College, 1968-1970.

PROFESSIONAL EXPERIENCE

1988-Present. Scientific and Engineering Consultant.
2006-Present Fellow of the Department of Physics, Harvard University.
2003-Present Visiting Associate Professor of Physics, Dartmouth College (periodic appointments).
1998-2007. Vice President, Sarnicola Simulation Systems, Inc.
1988-1990. Partner, Cardullo, Brown and Associates.
1988. Adjunct Professor, Watson School of Engineering, SUNY Binghamton.
1983-1988. Systems Engineer, Section Head, and Manager, Visual Engineering, Link Flight Simulation Division of The Singer Company.
1980-1984. Assistant Professor of Physics and Electrical Engineering Technology, SUNY Binghamton.
1978-1980. Instructor in Physics, Mary Washington College.
1979. Adjunct Instructor in Continuing Education, University of Virginia.
1977-1978. Instructor in Physics (Part Time), University of Virginia.

FELLOWSHIPS

University Awards Program Fellow, SUNY Binghamton, 1982-84.
Departmental Fellow, UVa, 1975-77.
Leland B. and Virginia C. Snoddy Fellow, UVa, 1974-75.
Governor's Fellow, UVa, 1972-74.

MEMBERSHIPS

American Physical Society
Institute of Electrical and Electronic Engineers

RELEVANT PUBLICATIONS

"Precise Throughput Determination of the PanSTARRS Telescope and the Gigapixel Imager using a Calibrated Silicon Photodiode and a Tunable Laser: Initial Results," (with CW Stubbs, *et al.*), *ApJS*, 191, 376-389 (2010).

"A Technique for a Self-Luminous Flatfield Calibration Screen," *ASP Conference Series* 364, 571 (2007).

"Preliminary Results from Detector-Based Throughput Calibration of the CTIO Mosaic Imager and Blanco Telescope Using a Tunable Laser," (with CW Stubbs, *et al.*) ASP Conference Series 364, 373 (2007).

"The 2.5 m Telescope of the Sloan Digital Sky Survey," (with JE Gunn, *et al.*), The Astronomical Journal 131, 2332-2359 (2006).

"Support and control of primary and secondary mirrors for the Sloan Digital Sky Survey (SDSS) telescope," (with L Carey, *et al.*), Proceedings of the SPIE, 4836-24 (2002).

"Improvements to the Apache Point 3.5-m Primary Mirror Support System," (with J Davis), Proceedings of the SPIE, 3351-39 (1998).

"High Speed, High Resolution, Ultrasonic Position and Orientation Tracker," (with SC Puma and JB Sinacori), US Patent 5,339,259 (1994).

Additional publications in flight simulation and superfluid helium.

Numerous internal technical reports and proprietary research and development reports.