

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
2013-Present Associate of the Department of Physics, Harvard University
2003-Present Visiting Associate Professor of Physics, Dartmouth College
(periodic appointments)
2006-2013 Fellow of the Department of Physics, Harvard University
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

“ALTAIR: Precision Calibration via Low-Cost Artificial Light Sources
Above the Atmosphere,” (with J Albert, et al.), AAS Meeting 221, 432.13
(2013).

“Precision Calibration via Artificial Light Sources Above the Atmosphere,”
(with J Albert, et al.), arXiv1207.1938A (2012).

“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.