

# Curriculum Vitae

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**John Richard Mattox** Born: 10 July 1954, Lawrence County, South Dakota  
Married, two sons

## Contact information:

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## Education:

1987, PhD, Applied Physics Department, Stanford University. Thesis topic: Calibration of the Energetic Gamma Ray Experiment Telescope (EGRET) with a Back-Scattered Laser Beam. Thesis adviser: Nobel Laureate, Dr. Robert Hofstadter.

1983, Master of Science, Applied Physics Department, Stanford University.

1981, Bachelor of Science, Physics Department, University of Florida.

## Positions:

Professor & Faculty Senate Chair, Fayetteville State University, since 2007.

Associate Professor, Fayetteville State University, 2003-2007.

Associate Professor, Department of Physics & Astronomy,  
Francis Marion University, 2000 — 2003.

Research Professor, ISAS, Japan, Summer 1997

Research Associate Professor, Department of Astronomy, Boston University, 1996 — 2000.

Visiting Research Scientist, Department of Astronomy, University of Maryland, College Park, 1994 — 1996.

EGRET Instrument Specialist with the Compton Gamma Ray Observatory Science Support Center, 1991 — 1994.

National Research Council Research Associate at NASA/Goddard Space Flight Center, 1989 — 1991.

Post-doctorate at the Max-Planck-Institut für extraterrestrische Physik near Munich Germany, 1987 — 1989.

## Awards and Honors:

NASA Group Achievement Award for the Compton Observatory Science Support Center, 1993.

NASA Group Achievement Award for the EGRET Instrument Team, 1992.

NSF Graduate Student Fellowship, 1981.

## Professional Memberships:

International Astronomical Union

American Astronomical Society

American Physical Society

## Other Professional Experience

Obtained and administered \$770,000 in grant and contract funding between 1994 and 2006 (from NASA and other sources).

## Publications

I am an author or co-author of over 140 professional publications. A complete bibliography is available at <http://astro.uncfsu.edu/mattox/publications.pdf>. A list of selected publications follows.

“Parsec-Scale Properties of Markarian 501”, M. Giroletti, etc., J.R. Mattox, etc., 2004 ApJ, 600, 127.

“Redshifts of Candidate Gamma-ray Blazars”, J.P. Halpern, M. Eracleous and J. R. Mattox, 2003 AJ, 125, 572.

“A Gamma-Ray Flare of Quasar CTA 26,” J.R. Mattox, *et al.*, 2001, ApJ, 549, 906.

“Timing the Geminga Pulsar with Gamma-Ray Observations,” J.R. Mattox, J.P. Halpern, P.A. Caraveo, 1998, ApJ, 493, 891.

“On the Identification of EGRET Sources with Radio Sources,” Mattox, J.R., Schachter, J., Hartman, R.C., Molnar, L., Patnaik, A.R., 1997 Ap J, 481, 95.

“An Intense Gamma-Ray Flare of PKS 1622–297,” J. R. Mattox, S. Wagner, M. Malkan, T. A. McGlynn, J. F. Schachter, J. E. Grove, W. N. Johnson, J. D. Kurfess, 1997, Ap J, 476, 697.

“The Likelihood Analysis of EGRET Data,” Mattox, J.R., et al., 1996, Ap J, 461, 396.

“The Sensitivity of EGRET to Gamma-Ray Polarization,” Mattox, J.R., 1991, Journal of Experimental Astronomy, 2, 75.

## Selected Oral Presentations:

“Radio-Quiet Gamma-Ray Pulsars,” MIT Space Sciences Colloquium, October 1998.

“Radio-Quiet Gamma-Ray Pulsars,” Harvard Smithsonian CfA Theory Group Colloquium, September 1998.

“The Gamma-Ray Universe as Revealed by the Compton Observatory,” Astronomy Department, Cornell University, September 1995.

“Point Sources Detected by EGRET,” *Astronomy Department Colloquium*, Columbia University, January 1994.

“The Observation of Blazars with EGRET,” *Space Science Lunch Seminar*, California Institute of Technology, August 1993.