

J. Ritchie Patterson

Title: Professor of Physics

Citizenship: USA

Education: B.A. 1981 Cornell University
Ph.D. 1990 The University of Chicago

Previous Employment: 1983-84 Teaching Assistant, University of Chicago
1984-89 Research Assistant, University of Chicago
1989-90 Grainger Graduate Fellow, University of Chicago
1990-93 Research Associate, Cornell University
1994-00 Assistant Professor, Cornell University
2000-04 Associate Professor, Cornell University

Awards and Honors: 1989 Luise Meyer-Schutzmeister Award
Association for Women in Science
1991 Marc Perry Galler Prize, Univ. of Chicago
1994 National Young Investigator Award
1994 Sloan Foundation Fellowship
2004 Fellow - American Physical Society
2005 Member - Sigma Xi (Associate member since 1989)
2005 Provost's Award for Distinguished Scholarship
Cornell University

Professional Service: 1995-99 Member - Physics Advisory Committee,
Fermi National Accelerator Laboratory
1995-98 Member - International Advisory Committee,
Physics in Collision
1995-96 Member - Special Emphasis Panel, NSF
1997 Member - Advisory Committee,
American Physical Society Meeting
1997 Member - Committee of Visitors,
Physics Division, NSF
1998 Special Emphasis Panel on B Physics, NSF
2001 Member – Nominations Committee, APS Division of
Particles and Fields
2002-05 Member – High Energy Physics Advisory Panel
2003 Member – DOE Facilities Panel
2003-04 Member – Particle Physics Project Prioritization Panel
(P5)
2003-04 Member – FNAL Long Range Planning Committee
2003 Co-chair – American Linear Collider Workshop,
Ithaca NY, July 2003
2003- Member – World-wide Study of the Physics and
Detectors for a Linear Collider Organizing Committee
2004-06 Member – International Organizing Committee for
Heavy Quarks and Leptons Conference

- 2004 Member – International Advisory Committee,
Lepton-Photon Conference
- 2004-06 Member – EPP Decadal Review Committee (EPP2010)
National Research Council
- 2005- Member – US/Canada ILC Communications Committee
- 2006-07 Member – Subpanel on the University Research Program
High Energy Physics Advisory Panel
- 2007-08 Acting Associate Director, LEPP
- 2008- Associate Director, LEPP
- 2007- Member – Executive Committee,
APS Division of Particles and Fields

Department and University Service:

- 2007- Member – Local Advisory Committee
- 2001-03 Member – General Committee, Graduate School
- 2003- Member – University Appeals Panel
- 2006- Director of Graduate Studies, Department of Physics

Outreach:

- 1998- Faculty Advisor – Expanding Your Horizons

Other recent outreach activities include articles for the popular press, preparation of a spark chamber for physics demonstrations, and the construction of a cloud chamber for the Sciencenter, a local science museum.

Doctoral Students:

Ye Liu, Ph.D 1999
 Bruce Berger, Ph.D 2001
 Bonnie Valant-Spaight PhD 2001
 Lauren Hsu PhD 2004
 Jim Pivarski, PhD 2006
 Laura Fields
 Avishek Chatterjee
 Walter Hopkins