

## **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 Comm.,  
Lepton-Photon Conference
- 2004-06 Member – EPP Decadal Review Committee (EPP2010)  
National Research Council
- 2005-06 Member – US/Canada ILC Communications Committee
- 2006-07 Member – Subpanel on the University Research Program High  
Energy Physics Advisory Panel
- 2007-10 Member – Executive Comm., APS Div. of Particles and Fields
- 2010-11 Member – Executive Comm., Science and Math Teacher  
Imperative, Association of Public and Land Grant Universities
- 2010- US representative to European Committee for Future  
Accelerators (ECFA)
- 2012 SLAC Science and Technology Review
- 2012 PAC, Muon Accelerator Program.

Department and University Service:

- 2001-03 Member – General Committee, Graduate School
- 2003-08 Member – University Appeals Panel
- 2006-09 Director of Graduate Studies, Department of Physics
- 2007-10 Member – Local Advisory Committee, Office of the Vice-  
Provost for Research
- 2007-08 Acting Associate Director, Lab for Elementary Particle Physics  
(LEPP), Cornell University
- 2008-09 Associate Director, LEPP
- 2008-10 CU-ADVANCE Liaison to the College of Arts and Sciences
- 2009 Academic Planning Comm. for the College of Arts and  
Sciences
- 2009-11 Chair, Department of Physics (on leave Fall 2010)
- 2012- Director, Cornell Laboratory for Accelerator-based Sciences  
and Education (CLASSE)

Outreach:

- 1998- Faculty Advisor – Expanding Your Horizons
- 2012 - Faculty Advisor – Northeast Conference for Undergraduate  
Women in Physics

Other outreach activities include articles for the popular press, preparation of a spark chamber for physics demonstrations, the construction of a cloud chamber for the Sciencenter, a local science museum, and lectures to high schools teachers and to elementary and high school classes.

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, PhD 2009
- Avishek Chatterjee, PhD 2012
- Jennifer Chu

