

**Biographical Sketch**  
**Patricia Rankin – Professor of Physics**

**A. Professional Preparation**

Imperial College, London University, London, England  
Physics B.Sc.1978  
Physics Ph.D. 1982  
Research Associate, High Energy Physics 6/82-12/83  
Stanford Linear Accelerator Center, Stanford, California  
Research Associate, High Energy Physics 1/84-7/88

**B. Appointments**

Faculty Associate, Dean's Office, College of Arts and Sciences, University of Colorado Boulder Jan 2019-present  
Professor, Physics, University of Colorado Boulder 6/02-present  
Senior Associate Vice Chancellor for Research 9/15-8/16  
Associate Vice Chancellor for Research 4/11-9/15  
Interim Associate Vice Chancellor for research 7/10-4/11  
Faculty Director, Provost's Office 9/09-6/10  
Associate Vice Chancellor for Faculty Diversity and Development 4/08-8/09  
Faculty Director, Provost's Office 8/07-3/08  
Associate Dean for Natural Sciences 7/04-7/07  
Director, Baker Hall, Residential Academic Program 1/02 -6/04  
Associate Professor, University of Colorado Boulder 6/95-6/02  
Program Officer, NSF Physics Division 7/96-7/98  
Assistant Professor, University of Colorado Boulder 8/88-5/95

**C. Products**

*Equity, Diversity, and Inclusion: Selected:*

- 1) "Vital Variables and Gender Equity in Academe: Confessions from a Feminist Empiricist Project", Joyce Nielsen, Robyn Marschke, Elisabeth Sheff, and Patricia Rankin, SIGNS Vol 31(Autumn 2005) 1-28.
- 2)"Networking", Patricia Rankin and Joyce Neilsen, invited contribution to "Success Strategies for Women in Science" edited by Peggy Pritchard, Elsevier (2005).
- 3) "Demographic Inertia Revisited: An Immodest Proposal to Achieve Equitable Gender Representation among Faculty in Higher Education", Robyn Marshke, Sandra Laursen, Joyce Neilsen and Patricia Rankin. Journal of Higher Education 78(1) , 1-26 (2008).
- 4) "Weak Links, Hot Networks, and Tacit Knowledge – Why Advancing Women Requires Networking", Patricia Rankin, Joyce Neilsen, and Dawn Williams, invited contribution to "Transforming Science and Engineering: Advancing Academic Women", edited by A. J. Stewart, J.E. Malley and D. LaVaque-Manty (2007) University of Michigan Press.

5) "Why Women Aren't Where They Are Needed in the Workforce: Putting The Pieces Together," Patricia Rankin and Donna Caccamise. The Sasakawa Foundation Expert Reviews Series on Advancing Women's Empowerment, 2017.

*High Energy Physics Experimental: Selected*

- 1) The 3081/E Processor and its on-line use, P. Rankin, et al. Chicago Computing Applications (1985) 1321.
- 2) Radiative corrections at the SLC/LEP, P. Rankin, COLO-HEP-203, a contribution to the proceedings of the Michigan workshop on QED structure functions, Michigan, USA, 1989.
- 3) The BaBar Physics Book, P.F. Harrison and H. Quinn, editors, SLAC-R-504 (October 1998).
- 4) Physics at the Y(4s), P. Rankin, A contribution to the proceedings of the International School of Physics "Enrico Fermi", Varenna, Italy 1998.
- 5) The Importance of Flavor Physics, P. Rankin, Proceedings of the 2002 Hampton University Graduate School (HUGS) Summer School.

**D. Key Activities**

- Developed and presented a professional skills course for the University of Colorado Boulder (CUB) Physics department covering time management, leadership, negotiation, working with diverse groups, project management, developing consensus, grant writing (Spring 2018).
- Member, organizing committee for American Physical Society "Meeting for Physics Chairs to Promote Gender Equity" (2007).
- Principal Investigator, National Science Foundation Grant, Connections – Encouraging US-Japanese Research Collaborations 7/10-7/13.
- Member, National Academies of Science Engineering and Medicine panel on broadening representation in STEM (Current). Focus is on institutional change/barriers (2018-present).
- Member, American Physical Society Committee on the Status of Women in Physics (CSWP). Chair from January 2017-Dec 2018. Currently an *ex officio* member. Chair of Harassment Sub-committee (2016-2018). Member of "Professional Skills Development" Committee (current).
- Led fundraising at CUB to establish a graduate fellowship to honor Professor Debbie Jin (2018).
- Co-Chair, committee to study the re-organization of the CUB College of Arts and Sciences (2018)
- Chair of the CUB, Arts and Sciences Council Budget Committee and member of the Arts and Sciences Council Executive Committee (2018-present).
- Member, CUB Physics Department Teaching Evaluation Committee (2019).
- Co-Chair CUB Department of Physics Departmental Self Study (2016-2017).
- Member, CUB Physics Department Strategic Plan Committee (2017-2018).