

Philip J. Sakimoto

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Education:

- Pomona College, B.A. in Physics (with Distinction), Cum Laude, 1976
- University of California, Los Angeles, M.A in Astronomy, 1979
- Ph.D. in Astronomy, 1985 (*Dissertation: Buoyancy Limits on Magnetic Viscosity Stress Law Scalings in Quasi-Stellar Object Accretion Disk Models*)

Scholarships and Fellowships:

- NASA/Goddard Space Flight Center
 NASA/ASEE Summer Faculty Fellowship, Laboratory for Astronomy and Solar Physics (Summer 1986)
- University of California
 Regents Fellowship (1976-77)

Employment:

- University of Notre Dame
 Professional Specialist, Outreach and Diversity (2005-present)
- NASA Headquarters
 Acting Director, Space Science Education and Public Outreach Program (Feb 2004-Oct 2004)
 Space Science Education and Public Outreach Specialist (Apr 2000-Oct 2004)
 Minority University Programs Specialist (1994-2000)
- NASA Goddard Space Flight Center
 University Affairs Officer (1990-94)
- The Johns Hopkins University
 Assistant Director, Johns Hopkins Space Grant Consortium (1989-90)
 Associate Research Scientist (1989-90)
- Whitman College
 Visiting Assistant Professor of Astronomy and Physics (1985-89)
 Chair, Department of Astronomy (1986-87)
- University of California, Los Angeles
 Teaching/Research Assistant, Department of Astronomy (1976-85)

- Terminal Island Federal Correctional Institution
Instructor in Astronomy (1978-79)
- Compton Community College
Instructor in Astronomy (1977)
- NASA Jet Propulsion Laboratory
Intern, Viking Mission to Mars (Summer 1976)
- Griffith Observatory
Planetarium Assistant and Museum Guide (1975–78)

Distinctions, Honors, and Awards

- National Aeronautics and Space Administration
Performance Awards 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002,
2003, 2004
Special Act Group Award, Equal Opportunity Advisory Committee, 1994
Performance Management Awards 1991, 1992, 1993
- Pomona College
Richard P. Edmunds Physics Prize 1976
Tileston Physics Prize 1975

Professional Memberships

- Phi Beta Kappa
- American Astronomical Society
- Astronomical Society of the Pacific
- American Indian Science and Engineering Society (Sequoyah Fellow)
- Great Lakes Planetarium Association
- International Planetarium Society

Books and Monographs

Books:

NASA University Research Centers Technical Advances in Aeronautics, Space Sciences and Technology, Earth Systems Sciences, Global Hydrology, and Education, T.L. Coleman, B. White, S. Goodman, P. Sakimoto, L. Randolph, and D. Rickman, eds. (Albuquerque: TSI Press, 1998).

NASA University Research Centers Technical Advances on Education, Aeronautics, Space, Autonomy, Earth and Environment, M. Jamshidi, R. Lumia, E. Tunstel, B. White, J. Malone, and P. Sakimoto, eds. (Albuquerque: ACE Center Press, 1997).

Technical Reports:

Education and Public Outreach Annual Report, Office of Space Science, NASA Headquarters, 2003 (Editor).

Education and Public Outreach Annual Report, Office of Space Science, NASA Headquarters, 2002 (Editor).

Education and Public Outreach Annual Report, Office of Space Science, NASA Headquarters, 2001 (Editor).

Education and Public Outreach Annual Report, Office of Space Science, NASA Headquarters, 2000 (Editor).

Research and Technology Report, Office of Equal Opportunity Programs, Minority University Research and Education Division, NASA Headquarters, 1999 (Managing Editor).

Research and Technology Report, Office of Equal Opportunity Programs, Minority University Research and Education Division, NASA Headquarters, 1998 (Managing Editor).

Research and Technology Report, Office of Equal Opportunity Programs, Minority University Research and Education Division, NASA Headquarters, 1997 (Managing Editor).

Research and Technology Report, Office of Equal Opportunity Programs, Minority University Research and Education Division, NASA Headquarters, 1996 (Managing Editor).

Research and Technology Report, Goddard Space Flight Center, 1993 (Associate Editor).

Research and Technology Report, Goddard Space Flight Center, 1992 (Associate Editor).

Research and Technology Report, Goddard Space Flight Center, 1991 (Associate Editor).

Refereed Publications:

“The NASA Office of Space Science Education and Public Outreach Program,” J. Rosendhal, P. Sakimoto, R. Pertzborn, and L. Cooper, *Advances in Space Research* **34**, 2127-2135 (2004).

“Buoyancy-Limited Magnetic Viscosity in Quasi-Stellar Object Accretion Disk Models,” P.J. Sakimoto and F.V. Coroniti, *Astrophys. J.* **342**, 49 (1989).

“Accretion Disk Models for QSOs and Active Galactic Nuclei: The Role of Magnetic Viscosity,” P.J. Sakimoto and F.V. Coroniti, *Astrophys. J.* **247**, 19 (1981).

Unrefereed Publications:

“Obliterating Myths About Minority Institutions,” P. Sakimoto and J. Rosendhal, *Physics Today* **98**, 9, 49-53 (September 2005).

“NASA Space Science Partnerships with Minority Universities,” P.J. Sakimoto, and J.D. Rosendhal, Invited paper, American Geophysical Union, Fall Meeting (2004).

“NASA Space Science Diversity Initiatives,” P.J. Sakimoto, in *NASA Office of Space Science Education and Public Outreach Conference*, C. Narasimhan, B. Beck-Winchatz, I. Hawkins, and C. Runyon, eds. ASP Conference Series, Vol 319 (2004).

“On Creationism in the Astronomy Classroom,” P.J. Sakimoto, in *I.A.U. Colloquium #105: The Teaching of Astronomy*, J.M. Pasachoff and J.R. Percy, eds., (New York: Cambridge University Press (1990).

“Magnetic Buoyancy in QSO Accretion Disks: The Underlying Physics and Analytic Approximations,” P.J. Sakimoto and F.V. Coroniti, *Bull. Amer. Astr. Soc.* **17**, 518 (1985).

“Magnetic Buoyancy in QSO Accretion Disks,” P.J. Sakimoto and F.V. Coroniti, *Bull. Amer. Astr. Soc.* **16**, 482 (1984).

“Magnetic Viscosity in QSO Accretion Disks,” P.J. Sakimoto and F.V. Coroniti, *Bull. Amer. Astr. Soc.* **15**, 957 (1983).

“Thermally Stable Accretion Disk Models for QSOs and Active Galaxies,” P.J. Sakimoto and F.V. Coroniti, *Bull. Amer. Astr. Soc.* **11**, 621 (1979).

“W Serpentis: The IUE Spectrum and a New Model,” M.J. Plavec and P.J. Sakimoto, *Bull. Amer. Astr. Soc.* **10**, 609 (1978).

Other Publications:

“Viking 1 & 2,” P.J. Sakimoto, in *Magill's Survey of Science: Space Exploration Series*, F.N. Magill, ed., (Pasadena, CA: Salem Press, Inc. (1989).

Summaries of “Extreme Ultraviolet Astronomy” and “Contributed Papers: Galactic Astronomy,” P.J. Sakimoto, in “The Eighty-Eighth Annual Scientific and Membership Meeting of the Astronomical Society of the Pacific,” *Mercury*, Vol. 6, No. 5, Sept/Oct 1977, pp. 16-19.

Invited Lectures and Addresses:

“Transcultural Partnerships,” to conclude a special session on Space Science Education at the 36th Scientific Assembly of the International Council for Science’s Committee on Space Research (COSPAR) in Beijing, China, on July 19, 2006.

“Space Science at Minority Universities: Ingredients for Success,” 2006 Joint Annual Conference of the National Society of Black Physicists and the National Society of Hispanic Physicists, San Jose, California, February 16, 2006.

“After All, It’s One Earth: A Diversity Practicum,” 117th Meeting of the Astronomical Society of the Pacific, Tucson, Arizona, September 15, 2005.

“The Universe and Everything In It,” 16th Annual Illinois Student Research Conference, Chicago, IL, April 2, 2005.

“The Universe and Everything In It,” Miller Lecture Series, University of Notre Dame, Notre Dame, IN, March 30, 2005.

“NASA Space Science Partnerships with Minority Universities,” American Geophysical Union, San Francisco, CA, December 16, 2004.

“The Universe and Everything In It,” Earth to Sky Workshop for National Park Service Lead Interpreters, NASA Goddard Space Flight Center, September 15, 2004.

- “Space Science Education and Public Outreach: A Guide for Early Career Scientists,” Lunar and Planetary Sciences Conference, Houston, TX, March 14, 2004.
- “NASA Space Science Diversity Initiatives: A Report to the American Astronomical Society Committee on the Status of Minorities,” American Astronomical Society, Atlanta, GA, January 5, 2004.
- “NASA’s Space Science Minority University Initiative: A Model Program that Works,” American Association of State Colleges and Universities, Washington, DC, September 22, 2003.
- “Space Science Education and Public Outreach: An Introduction for Exceptional Needs Educators,” Exceptional Space Science Materials for Exceptional Students Workshop, NASA Goddard Space Flight Center, July 28, 2003.
- “NASA, the Universe, and You,” Pomona College, Claremont, CA, October 25, 2000.
- “A Hundred Ground Balls,” National Alliance of NASA University Research Centers, Huntsville, AL, February 24, 1998.
- “So You Want to be a Rocket Scientist?” Keck Summer Science Institute, Washington and Lee University, Lexington, VA, July 18, 1997.
- “Diverse Worldlines: Separate, but Intersecting,” National Society of Black Physicists, Nashville, TN, March 30, 1996.
- “Reach for the Stars,” First Annual Student Conference, National Association of NASA University Research Centers, Greensboro, NC, April 1, 1996.
- “Will Science Survive the 21st Century?” Tufts University, Somerville, MA, June 23, 1993.
- “Exploring Heaven and Earth: The View from Goddard Space Flight Center,” Fisk University, Nashville, TN, October 31, 1991.
- “On Creationism in the Astronomy Classroom,” The College of Wooster, Wooster, OH, March 1, 1988.
- “Astrophysical Accretion Disks,” Washington State University, Pullman, WA, Sept 18, 1987.
- “Quasars: Still ‘the Most Bizarre and Unusual Objects Ever Observed Through a Telescope’,” Whitman College, Walla Walla, WA, March 28, 1985.

“Magnetic Viscosity in QSO Accretion Disks,” National Radio Astronomy Observatory, Charlottesville, VA, June 18, 1984.

Other Notable Contributions:

Member, Board of Advisors, Florida A & M University, NSF Center for Astrophysical Science and Technology

Member of the International Advisory Council of the Indigenous Education Institute, Bluff, Utah

Co-Presenter, “Building Bridges Across Cultural, Social, and Racial Lines” at the workshop *Engaging the EPO Community: Best Practices, New Approaches – a National Conference on Space Science Education and Public Outreach* (September 2006)

Convenor, “Expanding Minority Institution Involvement in the Sciences,” an invited session at the 2006 Joint Annual Conference of the National Society of Black Physicists and the National Society of Hispanic Physicists (February 2006)

Acting Director, NASA Space Science Education and Public Outreach Program (Feb 2004-Oct 2004)

National Program Manager, NASA Space Science Education and Public Outreach Broker/Facilitator Program (Apr 2000-Oct 2004)

National Program Manager, NASA Minority University and College Education and Research Partnership Initiative in Space Science (Apr 2000-Oct 2004)

Co-Chair, NASA Space Science Diversity Coordinating Committee (Apr 2000-Oct 2004)

Co-Convener, *Chicago 2004: A Workshop to Foster Broader Participation in NASA Space Science Missions and Research Programs* (June 2004)

National Program Manager, NASA University Research Centers at Minority Universities (1994-2000)

National Program Manager, NASA Tribal Colleges and Universities Program (1997-2000)

National Program Manager, NASA Asian American and Pacific Islanders Program (1999-2000)

University Affairs Officer, NASA Goddard Space Flight Center (1990-1994)

Field Center Manager, National Research Council Resident Research Associates Program at NASA/GSFC (1994-2000)

Field Center Manager, American Society for Engineering Education Summer Faculty Fellowship Program at NASA/GSFC (1994-2000)

Field Center Manager, NASA Graduate Student Researchers Program at GSFC (1994-2000)

Field Center Manager, Universities Space Research Association Undergraduate Internships Program at NASA/GSFC (1994-2000)

Field Center Manager, NASA Minority University Research and Education Programs at NASA/GSFC (1994-000)

Assistant Director, Johns Hopkins Space Grant Consortium (1989-1990)