

ANN E. WEHRLE
Space Science Institute
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EDUCATION:

University of California, Los Angeles

Ph.D., Astronomy, 1987

M.S., Astronomy, 1982

Bryn Mawr College 1978 A.B., Physics (Honors) and Astronomy

Majored at Bryn Mawr in Physics and at Haverford College in Astronomy.

POSITIONS HELD:

Space Science Institute, Boulder, CO, 2006-Present

- Senior Research Scientist, 2006-Present

California Institute of Technology, Pasadena, California, **1987- 2006**

- Head of Science Planning Team, Space Interferometry Mission, Michelson Science Center, 2002-2006
- Michelson Science Center's Project Scientist for Space Interferometry Mission, 2002-2003
- Key Project Principal Investigator, Space Interferometry Mission, NASA, 2000-2010
- Member of Science Planning Team, Space Interferometry Mission, 2000-2002
- Infrared Space Observatory Photometer Scientist, Infrared Processing and Analysis Center, 1997-1999
- Infrared Space Observatory Mission Scientist, Infrared Processing and Analysis Center, 1992-1997
- IRAS Support Scientist, Infrared Processing and Analysis Center, 1991-1992
- Member of Technical Staff, Jet Propulsion Laboratory, 1990-1991
- Postdoctoral Research Fellow, Owens Valley Radio Observatory, 1987-1990

University of California, Los Angeles, California, 1982-1987

Research Assistant and Teaching Assistant

Jet Propulsion Laboratory, Pasadena, California, 1979-1983

Member of Technical Staff

PROFESSIONAL AFFILIATIONS:

International Astronomical Union and American Astronomical Society

Affiliated Scientist, Fermi LAT Team (2001-present)

Science Team Member, NuSTAR Mission (2013-present)

RESEARCH FUNDING:

Principal Investigator on grants from NASA for research with Fermi Gamma Ray Space Telescope, Kepler, Herschel, Swift, Long Term Space Astrophysics, Compton Gamma Ray Observatory, Infrared Space Observatory, Spitzer Space Telescope, Chandra, ROSAT and Space Interferometry Mission

RELEVANT EXPERIENCE SUMMARY:

- Critical scientific and technical evaluating of major missions proposed to NASA.
- Developing multi-year strategic and operating plans for the Space Science Institute.
- Leading Key Project on “Binary Black Holes, Accretion Disks and Relativistic Jets” for Space Interferometry Mission.
- Leading Science Planning Team for Space Interferometry Mission, including planning, goal-setting and costing to meet Project and Science Center requirements.
- Executing Project Scientist responsibilities for plans, goals, costing and development of Michelson Science Center Science Operations System for Space Interferometry Mission.
- Managing technical contracts for Science Team of Space Interferometry Mission, \$2.6 M annual budget.
- Developing strategy for use of Space Interferometry Mission including long-range mission planning.
- Providing technical user support, scientific guidance, and algorithm development for scientists using the far-infrared photometer on the Infrared Space Observatory.
- Conducting and publishing scientific research using several space missions and ground-based facilities

RECENT PUBLICATIONS

Wehrle, A. E., Wiita, P. J., Unwin, S. C., Di Lorenzo, P., Revalski, M., Silano, D., Sprague, D., 2013, ApJ 773, 89 “Kepler Photometry of Four Radio-loud Active Galactic Nuclei in 2010-2012”

Wehrle, A. E., Marscher, A. P., Jorstad, S.G., Gurwell, M.A., Joshi, M., MacDonald, N.R., Williamson, K.E., Agudo, I. & Grupe, D. 2012, ApJ 758, 72 “Multiwavelength Variations of 3C 454.3 during the November 2010 to January 2011 Outburst”

SCIENTIFIC PUBLICATIONS:

Refereed Publications: 82 papers as of spring 2014

Non-refereed Publications: 147 papers, including meeting abstracts; co-author of book “The SIM Astrometric Observatory” (published in January 2009 by NASA/JPL)

PROFESSIONAL SERVICE:

Scientific Organizer for Conferences: Five conferences in 1997-2007.

Proposal Review Boards: NSF, Fermi (Panel Chairs), Spitzer, RXTE, NRAO VLA/VLBA, NASA Mission Concepts, NASA Infrared, Submillimeter and Radio, NASA LTSA and ADP (Panel Chairs), NASA Compton Gamma Ray Observatory, NASA ROSAT, Caltech Submillimeter Observatory. Technical Reviewer for IRAS and ISO missions.

Reviewer: Panel Reports of the 2010 Decadal Report for Astronomy “New Worlds, New Horizons”

Public Service: Visitor to House and Senate Staff (2006- present) on behalf of science and NASA