

Joseph S. Miller
Past Director, UCO/Lick Observatory
Astronomer/Professor of Astronomy and Astrophysics
UCO/Lick Observatory

INTERESTS AND EXPERTISE

Active galaxies, quasi-stellar objects

ACADEMIC HISTORY

1963 B.A. in Astronomy and Physics, University of California, Los Angeles
1966 M.S. in Astronomy, University of Wisconsin
1967 Ph.D. in Astronomy, University of Wisconsin

POSITIONS HELD

1967 Morrison Fellow, Lick Observatory, University of California, Santa Cruz
1968 Assistant Professor of Astronomy, Assistant Astronomer, Lick Observatory, UC, Santa Cruz
1974 Associate Professor of Astronomy, Associate Astronomer, Lick Observatory, UC, Santa Cruz
1979- Professor of Astronomy, Astronomer, Lick Observatory, University of California, Santa Cruz
1981-91 Assistant Director, UCO/Lick Observatory
1991-05 Director, UCO/Lick Observatory

HONORS AND AWARDS

2007 Berkeley Medal, University of California's highest honor
1997-99 Elected Chair, American Coordinating Council of Observatory Research Directors
1997 Outstanding Faculty Award, Natural Sciences Division
1994- Elected to American Academy of Arts and Sciences
1991-93 Elected to Nominating Committee, American Astronomical Society
1986-89 Elected to Council, American Astronomical Society
1972 Medal of Honor, University of Liège
1971-74 Elected to Board of Directors, Astronomical Society of the Pacific
1967 Morrison Fellow, Lick Observatory

EXTERNAL RESEARCH SUPPORT (\$20,000 and over)

2002- Moore Foundation Award: "Laboratory for Adaptive Optics" \$9,100,000
(with Claire Max and Jerry Nelson)

RECENT PUBLICATIONS (selected)

Performance characteristics of the new Keck Observatory echelle spectrograph and imager. A.I. Sheinis, J.S. Miller, M. Bolte and B.M. Sutin. *Proceedings of S.P.I.E.*, **4008**:522-533, 2000.

Active flexure compensation software for the echellette spectrograph and imager on Keck II. R.I. Kibrick, J.S. Miller, J.E. Nelson, M.V. Radovan, A.I. Sheinis and B. Sutin. *Advanced Telescope and Instrumentation Control Software*, H. Lewis, ed., *Proc. S.P.I.E.* **4009**, 262-273, 2000.

ESI, a New Keck Observatory Echellette Spectrograph and Imager. A.I. Sheinis, M. Bolte, H.W. Epps, R.I. Kibrick, J.S. Miller, M.V. Radovan, B.C. Bigelow, and B.M. Sutin. *PASP* **114**:851-865, 2002.

Keck Spectroscopy of Four Quasi-stellar Object Host Galaxies. J.S. Miller and A.I. Sheinis. *ApJL* **588**:L9-L12, 2003.

Integral field unit for the echellette spectrograph and imager at Keck II. A.I. Sheinis, L. Laiterman, D.F. Hilyard and J.S. Miller. *Proceedings of S.P.I.E.*, **4841**:1078-1085, 2003.

The Keck-I Cassegrain atmospheric dispersion corrector. A.C. Phillips, J. Miller, D. Cowley and V. Wallace. In: *Ground-based and Airborne Instrumentation for Astronomy*, eds. I.S. McLean and M. Iye. *Proceedings of the SPIE*, **6269**, 56, 2006.

UNIVERSITY SERVICE (selected)

Administrative appointments

2003- Member, CELT Board of Directors
2000-02 Member, California Extremely Large Telescope (CELT) Steering Committee
2000-01 Member, Natural Sciences Division Resource Steering Committee

Other university service

2000 Member, External Review Committee for Physical Sciences O.R.U.s, UC Berkeley

PROFESSIONAL ACTIVITIES (selected)

Consultative or other service to civic, state, or national governmental agencies

2002 Member, Visiting Committee to review Physics Department, University of North Carolina (March)
2002 Member, External Review Committee for the Large Binocular Telescope Project, University of Arizona
2000 Member, NOAO Director Search Committee

Activities in professional associations, meetings (selected)

2002- Member, Weber Prize Committee, American Astronomical Society
2001 Chair, Weber Prize Committee, American Astronomical Society

STUDENTS AND FELLOWS SUPERVISED (lifetime)

Students Awarded Ph.D.

A. Sheinis
A. Martel
L. Kay
H. Tran
R. W. Goodrich
S. A. Stephens
R. Antonucci
W. Keel
H. B. French
S. A. Hawley
T. Barker

Postdoctoral Fellows

A. Sheinis
H. Tran
R. Goodrich
G. D. Schmidt