

CURRICULUM VITAE

Claire E. Max

Astronomer/Professor

University of California Observatories/Lick Observatory

University of California, Santa Cruz

December 2007

ACADEMIC HISTORY

- 1972 Ph.D. Princeton University (Astrophysical Sciences)
1968 A.B. Radcliffe College, Harvard University (Astronomy)

POSITIONS HELD

- 2004– Director, NSF Center for Adaptive Optics, UC Santa Cruz
2001– Astronomer, University of California Observatories/Lick Observatory and
Professor, Department of Astronomy and Astrophysics, University of
California at Santa Cruz,
1995–2000 Director of University Relations, Lawrence Livermore National Laboratory
1993–1995 Director of Institutes, Physical Sciences Directorate, Lawrence Livermore
National Laboratory
1984–1993 Founding Director of Livermore Branch, Institute of Geophysics and
Planetary Physics, University of California
1974–2004 Physicist, Lawrence Livermore National Laboratory, University of
California
1972–1974 Post-doctoral fellow, UC Berkeley, Physics Department

CONCURRENT POSITIONS

- 2006 Project Scientist, W. M. Keck Observatory Next Generation Adaptive
Optics System
2006 UCLA, Department of Physics and Astronomy, Sabbatical Leave
1990 UC Berkeley, Astronomy Department, Sabbatical leave
1989 Centre d'Etudes Nucléaires, Saclay, France, Sabbatical leave
1983– Jason Group, Mitre Corporation, McLean, VA
1982 Research Physicist, Institute of Theoretical Physics, UC Santa Barbara
(three-month appointment)
1980 Ecôle Polytechnique, Paris, France, Sabbatical leave
1978–1982 Consultant: Women in Science
1974 Research Astrophysicist, Institute of Astronomy, Cambridge, England
(five-month appointment)

HONORS AND AWARDS

- 2005 Hartnell College (Salinas, CA), “President’s Partnership of Excellence” Award
- 2004 E. O. Lawrence Award (Department of Energy)
- 2003 Woman of the Year in Science, Alameda County (CA) Women’s Hall of Fame
- 2002 American Academy of Arts and Sciences
- 2001–2002 Edward Teller Fellowship (Lawrence Livermore National Laboratory)
- 1995 Fellow, American Association for the Advancement of Science
- 1982 Fellow, American Physical Society
- 1972 Sigma Xi (National Physics Honors Society, Princeton University)
- 1968 Magna Cum Laude (Harvard University)
- 1967 Phi Beta Kappa (Harvard University)

PROFESSIONAL ACTIVITIES

Membership and activities in professional associations

- 2007– Optical Society of America
- 2001-2002 Council, American Association for the Advancement of Science (representing Section B, Physics)
- 1999–2000 Henry Draper Laboratory Corporation
- 1999–2001 Board, Chabot Observatory and Science Center, Oakland
- 1994– Society of Photo-Optical Instrumentation Engineers
- 1988– American Geophysical Union
- 1981–1982 American Physical Society, Division of Plasma Physics Executive Committee
- 1980– American Association for the Advancement of Science (Fellow since 1995)
- 1977 American Physical Society, Division of Plasma Physics Executive Committee
- 1975–1976 American Astronomical Society, Executive Committee, Division of High Energy Astrophysics
- 1974– International Astronomical Union
- 1972– American Astronomical Society
- 1972– American Physical Society (Fellow since 1982)

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

- 2007 National Science Foundation: Adaptive Optics Roadmap definition group
- 2004 National Academy of Sciences panel to review research on the Air Force AEOS Telescope

- 2004 Invited talk, National Academy of Sciences Committee on the Assessment of Options for Extending the Life of the Hubble Space Telescope
- 2002– Science Working Group, Giant Segmented Mirror Telescope
- 1998–2000 *Hubble Space Telescope* Second Decade Study
- 1996–1998 Space Telescope Science Institute Visiting Committee
- 1991–1994 National Research Council—National Academy of Sciences Commission on Physical Sciences, Mathematics, and Applications
- 1989–1991 National Research Council—National Academy of Sciences Astronomy and Astrophysics Survey, Panel on Policy Opportunities
- 1989–1991 National Research Council—National Academy of Sciences Astronomy and Astrophysics Survey, Panel on Computing
- 1987–1994 Women in International Security Studies, National Advisory Panel
- 1986–1989 National Research Council—National Academy of Sciences Committee on International Security and Arms Control
- 1986 National Research Council—National Academy of Sciences Committee on Fusion Hybrid Reactors
- 1983– JASON group, Mitre Corporation
- 1979–1982 National Science Foundation, Physics Advisory Panel

Colloquia and invited talks (since 2002)

- 02/15/02 Colloquium, Williams College, Physics Dept
- 03/12/02 Colloquium, UC Santa Barbara, Physics Dept
- 03/15/02 Invited talk, Lawrence Berkeley National Laboratory, Astrophysics Group
- 06/26/02 Invited talk, Fiftieth Anniversary Celebration, Lawrence Livermore National Laboratory
- 09/17/02 Invited talk, “Science Day,” Lawrence Livermore National Laboratory
- 09/26/02 Symposium organizer and invited talk, Society for the Advancement of Chicanos and Native Americans in Science
- 12/02/02 Invited talk, Committee on Astronomy and Astrophysics, National Academy of Sciences
- 12/06/02 Invited seminar, W.M. Keck Observatory
- 02/16/03 Invited talk, American Association for the Advancement of Science, Annual Meeting
- 05/08/03 Colloquium, UC Berkeley Astronomy Dept
- 09/17/03 Colloquium, California Institute of Technology
- 10/18/03 Invited talk, Kavli Institute, Stanford Linear Accelerator Center
- 02/03/04 Invited talk, Physics and Advanced Technology Directorate, Lawrence Livermore National Laboratory
- 04/19/04 Colloquium, Sonoma State University, Physics Dept
- 10/14/04 Invited talk, Optical Society of America
- 10/21/04 Colloquium, Harvard University, Astronomy Dept
- 12/13/04 Invited talk, Director’s Distinguished Lecturer Series, Lawrence Livermore National Laboratory
- 03/15/05 Colloquium, Institute for Advanced Study, School of Natural Sciences

04/14/05 Colloquium, Johns Hopkins University
 04/27/05 Colloquium, University of San Francisco, Physics Dept
 08/10/05 Invited Talk, Nearly Normal Galaxies conference, UC Santa Cruz
 10/25/06 Colloquium, UCLA, Physics and Astronomy Dept
 12/24/06 Colloquium, Tel Aviv University, Physics Dept
 12/26/06 Colloquium, Hebrew University, Racah Institute of Physics
 01/02/07 Colloquium, Weizmann Institute of Science, Physics Dept
 02/01/07 Colloquium, University of Washington, Astronomy Dept
 02/08/07 Colloquium, UC Irvine, Physics Dept
 02/22/07 Colloquium, Herzberg Institute of Astrophysics, Victoria
 03/30/07 Goddard Scientific Colloquium, NASA Goddard Space Flight Center
 11/01/07 Invited Talk, Science with Laser Guide Star Adaptive Optics, Schloss Ringberg, Germany

UNIVERSITY SERVICE

2004– Director, NSF Center for Adaptive Optics, UC Santa Cruz
 2004–2006 Committee on Computing and Telecommunications, UC Santa Cruz
 2004 Deputy Director, NSF Center for Adaptive Optics, UC Santa Cruz
 2003–2004 Thirty Meter Telescope project, Adaptive Optics Working Group
 2003– California Space Institute Advisory Committee, University of California
 2000-2005 Associate Director, NSF Center for Adaptive Optics, UC Santa Cruz
 1998–1999 UC Merced Engineering Advisory Committee
 1995-2000 Director of University Relations, Lawrence Livermore National Laboratory, University of California
 1994– W.M. Keck Observatory Adaptive Optics Science Team
 1993-1995 Director of Institutes, Physical Sciences Directorate, Lawrence Livermore National Laboratory, University of California
 1984-1993 Founding Director of Livermore Branch, Institute of Geophysics and Planetary Physics, University of California
 1992– University of California Observatories Advisory Committee
 1992–2000 Center for Particle Astrophysics, UC Berkeley Program Advisory Committee
 1992–1996 W.M. Keck Observatory Science Steering Committee