

Curriculum Vitæ: Robert Louis Marcialis

Born 1956 September 14, New York, New York. Single, U.S. Citizen.

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Education:

S.B., MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA;
Aeronautical & Astronautical Engineering, 1978.

S.B., MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA;
Earth & Planetary Sciences, 1980.

M.S., VANDERBILT UNIVERSITY, NASHVILLE, TN; Physics & Astronomy, 1983.

Thesis Title: A TWO SPOT MODEL FOR THE SURFACE OF PLUTO

Thesis Director: Dr. Douglas S. Hall

Ph.D., UNIVERSITY OF ARIZONA, TUCSON, AZ; Planetary Sciences, 1990.

Dissertation Title: THE PLUTO-CHARON SYSTEM AS REVEALED
DURING THE MUTUAL EVENTS

Dissertation Directors: Dr. Larry A. Lebofsky, Dr. William B. Hubbard

Professional Experience:

TEACHING ASSISTANT, 1976-1980: with Professor William H. Pinson, Jr.;
Dept. Earth & Planetary Sciences, M. I. T.

LABORATORY INSTRUCTOR, 1981, 1982-3: Dept. of Physics & Astronomy,
Vanderbilt University.

RESEARCH ASSISTANT, 1981-1982: Arthur J. Dyer Observatory, Vanderbilt University.

RESEARCH ASSISTANT, 1983-1986: Lunar & Planetary Laboratory,
University of Arizona.

RESEARCH ASSOCIATE, 1986-1990: Lunar & Planetary Laboratory, University of Arizona.

LABORATORY INSTRUCTOR, 1989: Lunar & Planetary Laboratory, University of Arizona.

JPL POSTDOCTORAL FELLOW, 1990-1992: Jet Propulsion Laboratory,
Pasadena, California

APPLICATIONS SYSTEMS ANALYST, 1992-1994: Lunar & Planetary Laboratory,
University of Arizona.

ADJUNCT FACULTY MEMBER, 1992-1995: Pima Community College, Tucson, Arizona

ENGINEER, 1995: Lunar & Planetary Laboratory, University of Arizona.

SENIOR RESEARCH SPECIALIST, 1996-2003 : Lunar & Planetary Laboratory,
University of Arizona.

TEMPORARY HELP, 2004-2004 : Lunar & Planetary Laboratory,
University of Arizona.

MATHEMATICAL TECHNICAL TYPIST, 2010- : Department of Mathematics,
University of Arizona.

Memberships:

ΣΠΣ (Physics Honorary)
American Astronomical Society (Division for Planetary Sciences)
American Association for the Advancement of Science
American Geophysical Union
American Institute of Aeronautics & Astronautics, Senior Member
Astronomical Society of the Pacific
Pluto/Charon Mutual Eclipse Season Campaign founding member
Chiron at Perihelion Campaign founding member
Member, International Astronomical Union Commissions #15 and #16

Awards:

N.A.S.A. Graduate Student Researchers Program Fellow, 1986–1989
Inaugural J.P.L. Postdoctoral Fellow, 1990
N.A.S.A. Group Achievement Award, Mars Pathfinder Project:
Imager for Mars Pathfinder Instrument Development Team, 1997
N.A.S.A. Group Achievement Award, Mars Odyssey Project:
Mars Odyssey Project Development Team, 2002
N.A.S.A. Group Achievement Award, Mars Odyssey Project:
Gamma Ray Spectrometer Instrument Development Team, 2003

Research Interests:

Pluto, Charon, and Triton	2060 Chiron	Icy satellites
Outer solar system formation & evolution		Solar system photometry
Occultation astronomy		<i>RS Canum Venaticorum</i> binary stars

Certifications:

1992 Lifetime teaching certificate, Arizona Community College Board:
Physics, Astronomy, Physical Sciences
2000 Radiation Safety, Sealed Sources, University of Arizona

Community Service:

American Red Cross Water Safety Instructor 1981–1982
Educational Counselor, Massachusetts Institute of Technology 1983–1992
Division for Planetary Sciences Program Committee, 1996.
Division for Planetary Sciences Local Organizing Committee, 1996.
Reviewer, N.A.S.A. Planetary Astronomy Program, 1998–1999.
Advisor, Astronomical Society of the Pacific's Project ASTRO Translation Project, 2001–
N.A.S.A. Planetary Astronomy Review Panel, 2001.

Other Interests:

Fastpitch Softball Umpire 1975–
Registered, Amateur Softball Association of America 1982–
Certified A.I.A. Official, 1993–
NCAA Conferences worked:
PAC–10, ACCAC, Big West, Mountain West, WAC, CCCA, RMAC 1984–
A.S.A. National Umpire School 1986, 1990
A.S.A. Advanced National Umpire School 1994
About 200 games/year; 15 National Championships:

A.S.A. National Indicator Fraternity
A.S.A. Medals Program: Gold level
Committee Member, Tucson Softball Officials Association, 1995– 2001
Vice-President, Tucson Softball Officials Association, 2001–2002
President, Tucson Softball Officials Association, 2002–2003
Past-President, Tucson Softball Officials Association, 2003–2004
Umpire, National Professional Fastpitch 2003–2006