

Curriculum Vita

Alfred S. McEwen

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EDUCATION:

B.S. 1975 Forest Biology, SUNY ESF
B.S. 1982, M.S. 1985 Geology, Northern Arizona University
PhD. 1988 Planetary Geology, Arizona State University

EMPLOYMENT:

6/75-10/77: Peace Corps, Guatemala. Reforestation and soil conservation.
1/78-8/80: Soil Conservationist, Soil Conservation Service, Connecticut and Pennsylvania.
1/81-8/96: U.S. Geological Survey, Branch of Astrogeology, Flagstaff, Arizona.
8/96-present: Lunar and Planetary Lab (LPL) and Department of Planetary Sciences, University of Arizona. Professor and Director of the Planetary Image Research Lab (PIRL). Advised/supported 13 doctoral, 3 masters, and numerous undergrad students.

HONORS AND AWARDS:

1982: Award from Nat. Assoc. of Science Teachers for geology field camp, Northern Arizona University.
1985, 1990: Special Achievement Awards, USGS
1990-present: numerous invited talks and colloquia
1993: Superior Service Award, USGS
1996-2011: Multiple NASA Group Achievement Awards – Galileo, Cassini, MGS, LRO, MRO
1999: Mars crossing asteroid 1988 QD1 (Gene and Carolyn Shoemaker), named (7750) McEwen.
2007: Shoemaker lecture, fall AGU, on “The geology of Mars as seen by MRO’s HiRISE”
2011: NASA’s Distinguished Public Service Medal
2015: AGU Whipple award

EXTRAMURAL CITIZENSHIP

Member of: American Geophysical Union (AGU), Geological Society of America (GSA), Division of Planetary Sciences (DPS)/American Astronomical Society
Organizer for 2001 special section of JGR-Planets on Geology and Geophysics of Io (19 papers).
Organizing Committee for the Jupiter Conference (Boulder, June 2001); other conferences
Icarus editorial board, 2001-2
Chairperson of Large Satellites Panel, National Academy of Sciences Decadal Survey, 2001-2002.
Member of Committee on Planetary and Lunar Exploration, National Academy of Sciences, 2008-10
Science Advisory Groups for Mars Science Orbiter, Mid-Range Rover, and Special Regions-2
Phoenix landing site review board, 2008
Mars Science Laboratory (MSL) landing site steering committee, 2008-2011
Co-convener of special sessions (AGU, EPSC, GSA), 2000-2014

EXPERIENCE IN PLANETARY SPACECRAFT EXPERIMENTS:

1989: Guest Investigator with the Voyager imaging team for Neptune encounter.
1990-2002: Galileo Interdisciplinary Scientist associated with the Solid State Imaging team; lead role in planning and analysis of Io observations.
1991-present: Cassini Imaging Science Subsystem (ISS) Team
1992-1994: Clementine advisory committee and science team.
1992-2000: Participating Scientist on Mars Observer/MGS, for the Mars Orbital Camera.
2001-present: Participating Scientist on Mars Odyssey THEMIS.
2001-present: PI of HiRISE on Mars Reconnaissance Orbiter
2005-present Co-Investigator, Lunar Reconnaissance Orbiter Camera (LROC)
2009-2012 PI of PIDD grant on focal-plane system for a radiation-hard camera
2010; 2015 PI of Io Volcano Observer proposal for a Discovery mission
2010-2012 PI of the High resolution Stereo Color Imager (HiSCI) on the ESA/NASA ExoMars Trace Gas Orbiter until NASA withdrawal; 2013+ Co-I on CaSSIS (European replacement of HiSCI)
2015- Deputy-PI of the Europa Imaging System (EIS) on Europa Multiple Flyby Mission

Publications: over 200