CURRICULUM VITAE

Mark S. Robinson
Professor, School of Earth and Space Exploration
Arizona State University, Box 871404
Tempe, AZ 85287-1404
480-727-9691
robinson@ser.asu.edu

GEOLOGY BACKGROUND SUMMARY

Professor, Arizona State University	2006 – current
ShadowCam PI	2017 – current
Lunar Reconnaissance Orbiter Camera PI	2005 – current
Chandrayaan Mini-SAR Science Team Member	2005 – 2009
Research Associate Faculty, Northwestern University	2003 – 2006
Mars Reconnaissance Orbiter CRISM Science Team Member	2002 – 2008
MESSENGER Mission Science Team member	2000 – 2016
CONTOUR Mission Science Team member	2001 – 2003
Research Assistant Faculty, Northwestern University	1997 – 2003
NEAR Shoemaker MSI-NIS Science Team Member	1996 – 2001
United States Geologic Survey (PostDoc)	1994 – 1996
Echo Bay Mining Company (field season)	1992
Placer Dome, Inc. (field seasons)	1989 – 91
International Curator, Inc. (field season)	1988
Bear Creek Mining Co. (Kennecott Corp.; field seasons)	1983 – 85
Hyak Mining Co. (field seasons)	1981 – 82

EDUCATION

Doctorate: *Some Aspects of Lunar and Martian Volcanism*, 1993, Geology and Geophysics, University of Hawaii, Honolulu, HI.

Master of Science: *Some Aspects of Martian Topography*, 1991, Geology and Geophysics, University of Hawaii, Honolulu, HI.

Bachelor of Science: 1988, Geology, University of Alaska, Fairbanks, Alaska.

Bachelor of Arts: Double Major - Political Science and Fine Arts, 1982, University of the South, Sewanee TN.

CURRENT PROJECTS

Lunar Reconnaissance Orbiter Camera (LROC) Principal Investigator, 2005-current.
ShadowCam Princiapl Investigator, 2017-current.
Mars 2020 Mastcam-Z, Co-investigator, 2015-current.

PAST PROJECTS

Mercury: Surface, Space Environment, Geochemistry, Ranging (MESSENGER), Science Team Member, 2000-2016.
Lunar Mapping and Modeling Project, Co-Investigator, 2009-2012.

Digital Scanning and Archive of Apollo Metric, Panoramic, and Handheld Photography, Principal Investigator, FY 2007-2011.
NASA Planetary Geology and Geophysics (PGG), Principal Investigator, FY 1996-2008.
Compact Reconnaissance Imaging Spectrometer for Mars (CRISM) Science Team Member 2002-2007.
NASA NEAR Data Analysis Program (*NDAP*), Principal Investigator, FY 2002-2005.
Comet Nucleus Tour (CONTOUR) Science Team Member 2001-2003.
NASA NEAR Shoemaker MSI-NIS Science Team Member, 1996-2001.
NASA Mars Data Analysis Program (MDAP) Principal Investigator, 1999-2001.
NASA Lunar and Asteroid data analysis program (LADAP) Principal Investigator, 1996-1997.

PROFESSIONAL AFFILIATIONS

Member, American Geophysical Union
Member, Geological Society America

HONORS AND AWARDS

NASA Group Achievement Award – Lunar Recconnaisance Orbiter Extended Science Mission, 2015
NASA Group Achievement Award – Lunar Recconnaisance Orbiter Science Mission, 2013
NASA Group Achievement Award – Lunar Recconnaisance Orbiter Exploration Mission, 2011
NASA Group Achievement Award – LRO Operations Team, 2011
NASA Exceptional Public Service Medal for serving on the NASA Advisory Council from 2005 to 2009, awarded 12 November 2010
NASA Group Achievement Award – Lunar Recconnaisance Orbiter Team, 2010
NASA Group Achievement Award – NEAR Shoemaker Mission Team, 2002
NASA Group Achievement Award – NEAR Mathilde Flyby, 1998

SCIENTIFIC COMMUNITY SERVICE

NASA Advisory Council, Science Committee member (two terms), 2013 – 2017.
NASA Advisory Council (two terms), 2005 – 2009.
Co-convened and organized "Lunar Reconnaissance Orbiter Science Targeting Meeting" Tempe, AZ, June 9 to 11, 2009.
NASA Lunar Field Geology Workshop, Invited Participant, Lunar Planetary Institute, Houston, June 11-12, 2008.
Co-convened and organized "Go for Lunar Landing Meeting", Tempe AZ, March 4-5, 2008.
Organizing committee, NASA Workshop on Science Associated with the Lunar Exploration Architecture 27 February - 2 March 2007.
NASA Lunar Reconnaissance Orbiter Participating Scientist Program Review Panel, Nov 14-15 2007.
NASA Lunar Exploration Analysis Group (LEAG) Tactical Action Group (TAG) March18-20, 2005.

NASA Lunar Exploration Analysis Group (LEAG) Action Group member, Jan. 10-12, 2005.
NASA Planetary Data System Program Review, Group Chair, April 6-8, 2004.
International Astronomical Union, Mercury Nomenclature Task Group Chairman, 2004-2010.
NASA Lunar Reconnaissance Orbiter Objectives/Requirements Definition Team (RLEP ORDT), March 2004.
NASA Discovery Data Analysis Program, NEAR Group Chair, July 29-Aug 1, 2003.
Lunar and Planetary Science Conference 2003 Program Committee, Jan. 21-23, Houston TX.
NASA Mars Odyssey Participating Scientist Program Review Panel, 2001.
Convened and organized Lunar and Planetary Institute Scientific Conference "Mercury: Space Environment, Surface, and Interior", held at the Field Museum, Oct 4-5, 2001. Conference attracted 100 international scientists. This was the first Mercury Science meeting held in over 15 years.
NASA Near Earth Object (NEO) Program Review Panel 2000.
NASA Mars Data Analysis Program (MDAP) Review Panel 2000, 2001.
American Geophysical Union Information Technology Committee, 1999-2002.

TEACHING EXPERIENCE

GLG 404/598: Fall 2017, ASU, "Fundamentals of Planetary Geology"
SES 405: Spring 2017, ASU, "Exploration Systems Engineering"
GLG 404/598: Fall 2016, ASU, "Fundamentals of Planetary Geology"
GLG 598: Spring 2016, ASU, "Exploring the Moon"
GLG 404/598: Fall 2015, ASU, "Fundamentals of Planetary Geology"
SES 405: Spring 2015, ASU, "Exploration Systems Engineering"
GLG 404/598: Fall 2014, ASU, "Fundamentals of Planetary Geology"
SES 405: Spring 2014, ASU, "Exploration Systems Engineering"
GLG 598: Fall 2013, ASU, "Exploring the Moon"
GLG 404/598: Fall 2013, ASU, "Fundamentals of Planetary Geology"
SES 405: Spring 2013, ASU, "Exploration Systems Engineering"
GLG 404: Fall 2012, ASU, "Fundamentals of Planetary Geology"
SES 405: Spring 2012, ASU, "Exploration Systems Engineering"
GLG 598: Spring 2011, ASU, "Exploring Mercury"
GLG 598: Fall 2010, ASU, "Exploring the Moon"
SES 100: Spring 2010, ASU, "Introduction to Exploration"
GLG 598: Spring 2009, ASU, "Geology of the Moon"
GLG 591: Fall 2008, ASU, "Faculty Seminar"
GLG 598: Spring 2008, ASU, "Topics in Mercurian Geology"
GLG 598: Fall 2007, ASU, "Topics in Lunar Geology"
GLG 591: Fall 2007, ASU, "Faculty Seminar"
Geol. 109 Spring 2005, Northwestern University, "We Choose to go to the Moon".
Geol. 110 Fall 2003, Northwestern University, "Solar System Exploration".
Geol. 110 Spring 2003, Northwestern University, "Solar System Exploration".
Geol. 110 Spring 2002, Northwestern University, "Earth as a Planet".
Geol. A02-6 Spring 1998, Northwestern University, "Exploration of Mars: Canals to Life(?)".