Michael J. Drake

***Personal Data*:** Born July 8, 1946, Bristol, England. Married, 2 children, U.S. Citizen

Address: Lunar and Planetary Laboratory
University of Arizona
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***Education*:**

B.Sc. Geology (with honors) - Victoria University of Manchester, England - 1967

Ph.D. Geology - University of Oregon - 1972

***Positions Held*:**

1. *Head, Department of Planetary Sciences; Director, Lunar and Planetary Laboratory 1994-present.*

2. *Professor of Planetary Sciences, and in the Lunar and Planetary Laboratory, and in the Arizona Research Laboratories*, University of Arizona, 1983. *Professor of Geosciences,* University of Arizona, 1988. *Regents' Professor*, 2005.

3. *Associate Dean of Science*, University of Arizona, 1986-1987.

4. *Visiting Fellow*, Clare Hall, University of Cambridge, 1981.

5. *Associate Professor of Planetary Sciences*, University of Arizona, 1978-1983.

6. *Associate Director, Lunar and Planetary Laboratory*, University of Arizona, 1978-1980.

7. *Assistant Professor of Planetary Sciences*, University of Arizona, 1973-1978.

8. *Postdoctoral Research Associate*, Smithsonian Astrophysical Observatory, 1972-1973.

9. *Graduate Research Assistant*, University of Oregon, 1968-1972.

10. *Graduate Teaching Assistant*, University of Oregon, 1967-1968.

***Professional Societies*:**

Meteoritical Society (Fellow)
American Geophysical Union (Fellow)
Geochemical Society (Fellow)
Division of Planetary Sciences of the American Astronomical Society
Arizona Arts, Sciences and Technology Academy (Founding Fellow)

***Relevant Past Professional Service*:**

Associate Editor, Proceedings of the Lunar and Planetary Science Conference, 1975-1978
Associate Editor, U.S. National Report to the I.U.G.G., 1975-1978, 1979-1982
Associate Editor, Journal of Geophysical Research, 1982
Associate Editor, Geochimica et Cosmochimica Acta, 1980-1986
NASA Lunar and Planetary Review Panel, 1979-1982 (chairman 1981-1982)
Meteoritical Society, Councilor, 1981-84
NASA Planetary Geosciences Strategy Committee, 1985-86
NASA Planetary Materials and Geochemistry Program Management Working Group, 1985-88
NASA Mars Geologic Mapping Review Committee, 1986-88
Committee on Publications of the Meteoritical Society and the Geochemical Society, 1984-1990 (Chairman, 1986-1988)
AGU Technical Committee, "Studies of the Earth's Deep Interior", 1987-1988
NASA Origins of Solar Systems Steering Committee, 1986-1990
NASA Lunar and Planetary Sample Team (LAPST) 1985-1990 (Chairman, 1988-1990)
NRC Visiting Committee, NASA Johnson Space Center, 1990
US/USSR Implementation Team, Mars Landing Sites, Annex #4, 1988
NASA, Discovery Program Science Working Group (DPSWG), 1989-1990
Space Science Working Group Steering Committee of the American Association of Universities (SSWG), 1985-1991
SUNY Stony Brook High Pressure Facility Users Advisory Committee, 1990-1991
NASA Mars Science Working Group (MarsSWG), 1986-1992
NASA Solar System Exploration Subcommittee (SSES), 1988-1992
Geochemical Society, Councilor, 1989 - 1992
NSF, Advisory Committee for the Center for High Pressure Research, 1991 - 1992
NASA Lunar Exploration Science Working Group (LExSWG), 1986 - 1994
NASA, Lunar and Planetary Geosciences Review Panel, 1992 - 1994
NSF, Center for High Pressure Research (CHiPR) Review Board, 1993
NASA Solar System Exploration Subcommittee (SSES), 1994 - invited guest
AGU, Hess Medal Committee, 1994 - 1995
USRA, Lunar and Planetary Science Council, 1990 - 1996, Convener, 1992 - 1996
NASA, Mars 2005 Sample Return Science and Implementation Committee, 1996
NASA, Mars Surveyor 2001- 2005 Definition Team, 1996
Program Committee, 1996 Division of Planetary Sciences Annual Meeting
NASA, Planetary Materials and Geochemistry Management Operations Working Group, 1992 - 1996, Chairman, 1993 - 1996

Program Committee, 1997 Conference on Early Mars
Conference Organizer, 1997 Goldschmidt Conference
Program Committee, 1997 Meteoritical Society Annual Meeting
Geochemical Society, Vice-President, 1996-1997
Program Committee, 1998 Meteoritical Society Annual Meeting
National Research Council, Task group on sample return from small solar system bodies, 1997-1998
Meteoritical Society, Vice-President, 1997-1998
Conference Organizer, 1998 Origin of the Earth and Moon Conference
NASA, Mars Sample Handling and Requirements Panel (MarsSHARP), 1998-1999
NASA, Cosmochemistry Management Operations Working Group, 1997 - 1999, Chairman, 1997-1999
NASA Astrobiology Research Laboratory: Science Definition Team, 1999 – 2000
NASA Origins of Solar Systems Review Panel Cosmochemistry Group Chair, 1999
Geochemical Society, President, 1998-1999
Meteoritical Society, President, 1999-2000
NASA Mars Peer Review Team, 2000
NSF Science and Technology Center Review Panel, 2000
Astromaterials Working Group (advises NASA-JSC Center Director) 1998 - 2001
Geochemical Society, Past President, 2000-2001
Meteoritical Society, Past President, 2001-2002
Chair, NASA Solar System Exploration Subcommittee (SSES), 2000 – 2003
NASA Space Science Advisory Committee (SScAC), 2000 – 2003
NASA Mars Exploration Program Assessment Group, 1999-2003
NASA Nuclear Systems Initiative Science Definition Team, 2002-2003
American Geophysical Union Planetology Section Awards Committee, 2004-2007
NRC Study, " Committee on the Role and Scope of Mission-enabling activities in NASA's Space and Earth Science missions", invited but unable to serve, 2008
Organizing Committee, Volatile delivery Workshop, Space Telescope Science Institute, September 13-15, 2010

***Current Professional Service*:**

Director, State of Arizona Space Grant Consortium, 2000-present.
University of Arizona representative to the Universities Space Research Association, 2000- present.
Board of Trustees, Universities Space Research Association, 2007-present.
AAU: NASA Presidential Working Group, 2009-present.

Honors:

College of Science Career Distinguished Teaching Award, 1999
Fellow, Meteoritical Society, 1980
Asteroid (9022) Drake = 1988 PC1 named by Carolyn Shoemaker
Fellow, American Geophysical Union, 2002
Geochemistry Fellow, European Association of Geochemistry and the Geochemical Society, 2002
Aviation Week and Space Technology 2001 Laurels Award for Outstanding Achievement in Space
Leonard Medal of the Meteoritical Society, 2004
Regents' Professor, 2005
University of Arizona Senior Honorary BobCats Outstanding Faculty Member Award, 2006

Current Research Grants:

NASA, Formation and geochemical evolution of the Earth, Moon, igneous meteorites and other terrestrial planetary bodies.
NASA, Primordial differentiation of the terrestrial planets.
NASA, Origins, Spectral Interpretation, Resource Identification, Security – Regolith Explorer.

Over 100 peer-reviewed papers published.