

CURRICULUM VITAE

Larry R. Nittler

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Education:

1996: Ph.D. in Physics, Washington University, St. Louis, MO
Advisor: Robert M. Walker
1991: B.A. in Physics, Cornell University, Ithaca, NY

Employment:

2022-present: Professor, Arizona State University
2001–2022: Staff Scientist, Carnegie Institution of Washington
1996–1997; 2001–present: Consultant, Lawrence Livermore National Laboratory
1999–2001: Astrophysicist, NASA Goddard Spaceflight Center
1996–1999: Postdoctoral Fellow, Carnegie Institution of Washington

Research Interests: Laboratory microanalysis of extraterrestrial materials to investigate presolar and early history of the solar system and origin and evolution of organic matter in the solar system. Planetary geochemical remote-sensing to investigate the origin(s) and geological evolution of rocky worlds.

Honors and Awards:

2018, 2009: NASA Group Achievement Awards (for work as part of MESSENGER Science Team)
2013: NASA Group Achievement Award (for work as part of STARDUST Interstellar Preliminary Examination Team)
2010: Elected Fellow of the Meteoritical Society
2005: Antarctic Service Medal
2002: Asteroid 5992 (1981 DZ) named Nittler by International Astronomical Union
2002: NASA Group Achievement Award (for work on NEAR-Shoemaker mission)
2001: Alfred O. Nier Prize of the Meteoritical Society
1996–1999: Carnegie Postdoctoral Fellowship
1994–1996: NASA Graduate Student Research Program Fellowship
1995: Meteoritical Society Student Travel Award
1992–1994: McDonnell Graduate Fellowship
1992: Dean's Award for Excellence in Teaching, Washington University
1991: Distinction in All Subjects, Cornell University

Professional Societies:

Meteoritical Society, American Astronomical Society, American Geophysical Union

Space Mission Experience:

NEAR-Shoemaker, 1998-2002: led data analysis effort for X-ray Spectrometer.
STARDUST, 2006-present: isotopic and micro-Raman studies of returned cometary samples; member of Interstellar Preliminary Examination science advisory council.
GENESIS, 2006-present: isotopic and elemental analysis of returned solar wind samples.
MESSENGER, Participating Scientist (2005-2011); Deputy Principal Investigator (2011-2018); X-ray Spectrometer data analysis lead.
Hayabusa2, 2016–present: NASA Participating Scientist.
BepiColombo, 2017- present: member, MIXS Science team

Service:

2019-present: Member, Lunar and Planetary Science Institute Science Council (advisory committee)
2017–present: Chair, NASA ExMAG Genesis sample subcommittee
2014–2017: Member, Planetary Science Subcommittee, NASA Advisory Council
2013-present: Review panel for Swiss Science Foundation
2013–2016: Councilor of the Meteoritical Society
2011–2012: Member, publications committee, Meteoritical Society
2007–2014: STARDUST mission Interstellar Preliminary Examination Science Council
2006, 2009: Review panels for German Science Foundation
2001–2016: CAPTEM Cosmic Dust Allocation Committee
1999–present: Various NASA Review Panels