

CATHERINE M. CORRIGAN

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Citizenship: United States

EDUCATION

- January 2004 **Ph.D.** - Planetary Science, Case Western Reserve University, Cleveland, OH 44106
Dissertation: *Carbonate minerals in martian meteorite Allan Hills 84001: Implications for environmental conditions on ancient Mars. Advisor: Dr. Ralph Harvey*
- May 1998 **M.S.** – Geology, Michigan State University, East Lansing, MI 48823
Thesis: *The Composition of Impact Breccias from the Chicxulub Impact Crater, Yucatan Peninsula, Yucatan, Mexico. Advisors: Dr. Virgil Sharpton and Dr. Tom Vogel*
- May 1995 **B.S.** - Geology, Michigan State University, East Lansing, MI 48823

EMPLOYMENT HISTORY

- 2/08 – present **Geologist**
Smithsonian Institution Department of Mineral Sciences.
- 4/05 – 2/08 **Postdoctoral Fellow**
Johns Hopkins University Applied Physics Laboratory.
- 7/03 – 4/05 **Postdoctoral Fellow**
Smithsonian Institution Department of Mineral Sciences.
- 6/99 – 7/03 **Graduate Research Assistant**
Department of Geological Sciences, Case Western Reserve University, Cleveland, OH.
- 1/99 - 5/99 **Temporary Full-time Faculty**
Department of Geological Sciences, Central Michigan University, Mt Pleasant, MI.
- 8/96 - 5/98 **Graduate Teaching/Research Assistant**
Department of Geological Sciences, Michigan State University, E Lansing, MI.
- 9/95 - 9/97 **Visiting Graduate Fellow**, *Lunar and Planetary Institute, Center for Advanced Space Studies, Universities Space Research Association, Houston, TX. Advisor: Dr. Virgil L. Sharpton*
- 6/96 - 8/95 **Summer Intern**, *Lunar and Planetary Institute/NASA Johnson Space Center, Houston, TX. Advisor: Dr. Michael E. Zolensky*

RESEARCH POSITIONS

- 4/05 – present **Research Collaborator**; *Smithsonian Institution Department of Mineral Sciences.*
- 8/03 – 8/05 **Visiting Investigator**; *Geophysical Laboratory, Carnegie Institution of Washington.*

FIELD EXPERIENCE

- 2004, 2001 Team Member of the Antarctic Search for Meteorites (ANSMET); *Conducted reconnaissance and collection of meteorites and soil samples at numerous locations in Antarctica; PI Ralph Harvey*
- 2002 Collected samples at Martian analog Theo's Flow, Munro Township, Canada, with T.J. McCoy
NASA Planetary Geology and Geophysics Volcanology Field Course, Hawaii, HI
- 1996 Field studies of Marquez Dome Impact Crater, Marquez, TX, with V.L. Sharpton

PUBLIC OUTREACH

- 2003-2005 Led or assisted in “behind the scenes” tours of the National Meteorite Collection and Department of Mineral Sciences, Department of Mineral Sciences, National Museum of Natural History, Smithsonian Institution, Washington, DC
- 2002-2003 Gave lectures to many elementary school classrooms on meteorites and Antarctica.

TEACHING EXPERIENCE

- 1999-2000 **Teaching Assistant**, Case Western Reserve University
- 1999 **Full Time Temporary Faculty**, Central Michigan University
- 1996-1998 **Teaching Assistant**, Michigan State University

INVITED LECTURES

- 2005 Department of Mineral Sciences, National Museum of Natural History, Smithsonian Institution: Washington, DC; research seminar
- 2004 Lunar and Planetary Institute, Houston, TX; research seminar and intern brown bag
- 2003 Chabot Observatory, Oakland, CA; public lecture
- Geophysical Laboratory, Carnegie Institution of Washington, Washington, DC; research seminar
- 2002 Department of Geological Sciences, Michigan State University, East Lansing, MI; special seminar

HONORS AND AWARDS

- 2003 Stephen Dworkin Student Paper Award Honorable Mention
- 2003 Barringer Crater Company - Student Travel Award
- 2001-2003 Zonta International Foundation Amelia Earhart Women in Science Award
- 1999 Geological Society of America - Student Travel Grant
- 1997 Barringer Crater Company - Student Travel Award
- 1996 Barringer Crater Company - Student Travel Award

COMMUNITY SERVICE

- 2008 Lunar and Planetary Science Conference XXXVIX Program Committee
- 2007 Lunar and Planetary Science Conference XXXVIII Program Committee
- 2006 Lunar and Planetary Science Conference XXXVII Program Committee
- 2005 Meteorite Working Group
- 2004 Invited panelist, Second Workshop on Early Mars
- Lunar and Planetary Science Conference XXXV Program Committee
- Stephen Dworkin Student Paper Award Judge
- Lunar and Planetary Institute Intern Alumni Association Committee Member

PROFESSIONAL AFFILIATIONS

Geological Society of America
Meteoritical Society
American Geophysical Union

FUNDING

- 2007-2009 PI, NASA DDAP Grant, “Tracking Plagioclase and High-Ca Pyroxene as Indicators of the Petrogenesis of Asteroid 433-Eros.”
- 2006-2009 Collaborator, NASA Cosmochemistry Grant, “Petrologic and Experimental Studies of Igneous Processes in Meteorites”, PI Tim McCoy, 3 years, \$129,000
- 2000-2003 Ohio Space Grant Consortium Doctoral Fellowship, 3 years, \$45,000