

# Curriculum Vitae

## *Peter J. Chi*

Present Position: Associate Research Geophysicist  
Institute of Geophysics and Planetary Physics  
University of California, Los Angeles

### Personal Information

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Marital status: Married  
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### Education

University of California, Los Angeles	Ph.D. in Geophysics and Space Physics	1997
National Taiwan University	B.Sc. in Physics	1989

### Employment History

Jul. 2004 – present	Associate Research Geophysicist Institute of Geophysics and Planetary Physics, UCLA
Jan. 1998 – Jun. 2004	Assistant Research Geophysicist Institute of Geophysics and Planetary Physics, UCLA
Sep. 1992 – Dec. 1997	Graduate Student Researcher Institute of Geophysics and Planetary Physics, UCLA
Jun. 1991 – Aug. 1992	Research Assistant, Solar Physics Laboratory, National Tsing-Hua University, Taiwan

### Research Awards

	<i>Program</i>	<i>Project title</i>	<i>Role</i>	<i>Period</i>
1	NASA (Heliophysics Guest Investigators)	Storm-time plasma redistribution in the coupled plasmasphere- ionosphere system	Principal Investigator	2008- present
2	NASA (Virtual Observatories for Heliophysics Data)	Electric-Magnetic-Waves Resident Archive for Polar (EMWRAP)	Principal Investigator	2008- present
3	NASA (Lunar Advanced Science and Exploration Research)	Restoration of Apollo Magnetic Field Data	Principal Investigator	2008- present
4	NASA (Virtual Observatories)	A Virtual Magnetospheric Observatory	Co- Investigator	2006- present

5	Air Force	Falcon Magnetometer Array	Principal Investigator	2006-present
6	NSF (Magnetospheric Physics)	Mid-continent MAGnetoseismic Chain (McMAC)	Principal Investigator	2003-present
7	NASA (Geospace Science)	A comprehensive survey of ULF waves in satellite data sets using automatic detection algorithm	Principal Investigator	2003-2007

### **Professional Services**

1. Chair, ULF Waves Working Group, International Association of Geomagnetism and Aeronomy (IAGA) Division III, 2007-present.
2. Secretary, "Ultra Large Terrestrial International Magnetometer Array (ULTIMA)" Consortium, 2006-present.
3. Editor, AGU SPA (Space Physics and Aeronomy) Section Newsletter, 2002-present.
4. Editor, GEM Messenger, electronic newsletter for NSF Geospace Environment Modeling Program, 2002-present.
5. Co-convenor, Chapman Conference on Magnetospheric ULF Waves, San Diego, 2005.
6. Convener, Special Session on Advances in Ground Observations of Space Plasma Environment, Western Pacific Geophysics Meeting, Honolulu, 2004.
7. Convener, Special Session on ULF Waves and Their Diagnosis of the Magnetosphere, Fall AGU Meeting, San Francisco, 2002.
8. Convener, Special Session on Ground-based Magnetometry, GEM Workshop, Telluride, Colorado, 2002.
9. Co-convenor, Solar-Planetary I Session of 1998 Western Pacific Geophysics Meeting, Taipei, Taiwan, 1998.
10. Reviewer of NSF and NASA proposals since 1999.
11. Referee of articles in Journal of Geophysical Research, Geophysical Research Letters, Journal of Atmospheric and Solar-Terrestrial Physics, Advances in Space Research, Earth, Planets and Space, and Geomagnetism and Aeronomy International since 1994.

### **Invited Seminars**

1. Chi, P. J., "Travel-time magnetoseismology and how it resolves the substorm timing problem," Space Science Institute, National Central University, Chung-Li, Taiwan, March 23, 2008.
2. Chi, P. J., "Magnetoseismology," Institute of Geophysics and Planetary Physics, University of California, Riverside, California, February 15, 2006.
3. Chi, P. J., "Magnetoseismology and its use in estimating density distribution of magnetospheric plasma," Center for Atmospheric Research, University of Massachusetts Lowell, Lowell, Massachusetts, January 9, 2006.
4. Chi, P. J., "Magnetoseismology: Magnetospheric sounding by measuring the tremors in space," Institute of Geophysics and Planetary Physics Colloquium, University of California, Los Angeles, November 8, 2005.

5. Chi, P. J., "Magnetoseismology: Two methods of magnetospheric sounding," Space Science Institute, National Central University, Chung-Li, Taiwan, January 11, 2005.
6. Chi, P. J., "Magnetoseismology: Two methods for sounding the mass density of the magnetosphere," Southwest Research Institute, San Antonio, Texas, November 4, 2004.
7. Chi, P. J., "Magnetospheric Sounding through Seismology," presented at the Department of Earth and Planetary Sciences, Kyushu University, Fukuoka, Japan, July 24, 2003.
8. Chi, P. J., "On two new methods using ground magnetometer data to study magnetic pulsations," presented at Lockheed Martin Advanced Technology Center, Palo Alto, California, February 25, 1999.
9. Chi, P. J., "Phase skipping and Poynting flux of continuous pulsations," presented at the Department of Earth and Planetary Sciences, Kyushu University, Fukuoka, Japan, August 10, 1998.

Updated: September 12, 2008