

Curriculum Vitae

Peter J. Chi

Present Position: Research Geophysicist
Department of Earth and Space Sciences
University of California, Los Angeles

Personal Information

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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

Work Experience

Jul. 2011 – present	Research Geophysicist Department of Earth and Space Sciences, UCLA
Jul. 2004 – June 2011	Associate Research Geophysicist Institute of Geophysics and Planetary Physics, UCLA
Jan. 1998 – Jun. 2004	Assistant Research Geophysicist Institute of Geophysics and Planetary Physics, UCLA

Professional Service

1. Member, Editorial Committee, Korean Space Science Society, 2010-present.
2. Chair, ULF Waves Working Group, International Association of Geomagnetism and Aeronomy (IAGA) Division III, 2007-present.
3. Secretary, “Ultra Large Terrestrial International Magnetometer Array (ULTIMA)” Consortium, 2006-present.
4. Member, NSF Geospace Environment Modeling (GEM) Program Steering Committee, 2008-present.
5. Member, AGU Space Physics and Aeronomy (SPA) Section Executive Committee, 2004-present
6. Editor, AGU Space Physics and Aeronomy (SPA) Section Newsletter, 2002-present.
7. Editor, GEM Messenger, electronic newsletter for NSF Geospace Environment Modeling (GEM) Program, 2002-present.
8. Co-convener, Session on ULF Waves in the Inner Magnetosphere, 12th IAGA Scientific Assembly, Merida, Mexico, 2013.
9. Convener, Joint ULTIMA-GEM Ground-based Magnetometers Forum, San Francisco, California, 2009, 2010, 2011, 2012.

10. Convener, Session SM14, Studies Using Ground Magnetometer Arrays: Specifying Current Systems in the Ionosphere and Magnetosphere, AGU Fall Meeting, San Francisco, California, 2012.
11. Convener, Joint Symposium on Electromagnetic Oscillations from Space to Earth: Celebrating 150 Years and Recent Developments in Ultra-low-frequency Wave Research, XXV IUGG General Assembly, Melbourne, Australia, 2011.
12. Member, Scientific Organizing Committee, International Space Weather Meridian Circle Project Workshop, Sanya, China, 2011.
13. Convener, Special Session on Heliophysics Science at the Moon, Western Pacific Geophysics Meeting, Taipei, Taiwan, 2010
14. Co-convener, Special Session on Ringing and Shaking of the Magnetosphere: Physical Processes and Applications in Magnetospheric Diagnosis, Western Pacific Geophysics Meeting, Taipei, Taiwan, 2010
15. Convener, Joint ULTIMA-GEM Forum, San Francisco, California, 2009.
16. Panel reviewer, Heliophysics Data Environment Program, NASA, Washington, DC, 2009.
17. Co-convener, Special Session on ULF Waves, 2009 IAGA Meeting, Sopron, Hungary, 2009
18. Co-convener, Special Session on Comparative Studies of Planetary Magnetospheres, Joint Assembly, Toronto, Canada, 2009
19. Co-convener, Chapman Conference on Magnetospheric ULF Waves, San Diego, California, 2005.
20. Convener, Special Session on Advances in Ground Observations of Space Plasma Environment, Western Pacific Geophysics Meeting, Honolulu, Hawaii, 2004.
21. Convener, Special Session on Ground-based Magnetometry, GEM Workshop, Telluride, Colorado, 2002.
22. Co-convener, Solar-Planetary Session of Western Pacific Geophysics Meeting, Taipei, Taiwan, 1998.
23. Reviewer of NSF and NASA proposals since 1999.
24. Referee of publications for Journal of Geophysical Research, Geophysical Research Letters, Space Weather, Space Science Reviews, Journal of Atmospheric and Solar-Terrestrial Physics, Earth and Planetary Science Letters, Annales Geophysicae, Advances in Space Research, Earth, Planets and Space, and Geomagnetism and Aeronomy International since 1994.

Books/Journals Edited

1. Chi, P. J., K. Takahashi, R. E. Denton, and R. L. Lysak, Ultra-Low-Frequency Waves in the Magnetosphere, *Planetary and Space Science*, 55, no.6 (special issue), 2007.
2. Takahashi, K., P. J. Chi, R. E. Denton, and R. L. Lysak, *Magnetospheric ULF Waves: Synthesis and New Directions*, Geophysical Monograph Series 169, AGU, 2006.

Seminars Presented

1. *Ground-based Observations of Magnetic Tremors as Diagnostics of the Space Weather Environment*. United States Geological Survey, Golden, Colorado, November 7, 2012.

2. *Lunar Surface Magnetometer Data Rescue and Unexpected Implications to a Lunar Exosphere*. Institute of Geophysics and Planetary Physics, UCLA, May 8, 2012.
3. *Magnetic Tremors as Diagnostics of the Space Plasma Environment*. Heliophysics Division, Goddard Space Flight Center, NASA, March 13, 2012.
4. *Origin, Development, and Future of Magnetoseismology*. Institute of Geophysics and Planetary Physics, UCLA, November 2, 2010.
5. *Magnetoseismology: A Seismologist's Approach to Investigate Magnetospheric Process*. National Institute of Information and Communications Technology, Tokyo, Japan, June 29, 2010.
6. *Magnetoseismology: A Seismologist's Approach to Investigate Magnetospheric Process*. Peking University, Beijing, China, November 20, 2009.
7. *Magnetoseismology: A Seismologist's Approach to Investigate Magnetospheric Process*. CSSAR, Chinese Academy of Science, Beijing, China, November 20, 2009.
8. *Magnetoseismology: A Seismologist's Approach to Investigate Magnetospheric Process*. Kyung Hee University, Republic of Korea, November 17, 2009.
9. *Magnetoseismology: A Seismologist's Approach to Investigate Magnetospheric Process*. Kyoto University, Kyoto, Japan, November 10, 2009.
10. *Frontiers of Normal-mode and Travel-time Magnetoseismologists*. Space Environment Research Center, Kyushu University, Fukuoka, Japan, November 9, 2009.
11. *Travel-time Magnetoseismology and How It Resolves the Substorm Timing Problem*. Space Science Institute, National Central University, Chung-Li, Taiwan, March 23, 2008.
12. *Magnetoseismology*. Institute of Geophysics and Planetary Physics, University of California, Riverside, California, February 15, 2006.
13. *Magnetoseismology and Its Use in Estimating Density Distribution of Magnetospheric Plasma*. Center for Atmospheric Research, University of Massachusetts Lowell, Lowell, Massachusetts, January 9, 2006.
14. *Magnetoseismology: Magnetospheric Sounding by Measuring the Tremors in Space*. Institute of Geophysics and Planetary Physics Colloquium, University of California, Los Angeles, November 8, 2005.
15. *Magnetoseismology: Two Methods of Magnetospheric Sounding*. Space Science Institute, National Central University, Chung-Li, Taiwan, January 11, 2005.
16. *Magnetoseismology: Two Methods for Sounding the Mass Density of the Magnetosphere*. Southwest Research Institute, San Antonio, Texas, November 4, 2004.
17. *Magnetospheric Sounding through Seismology*. Department of Earth and Planetary Sciences, Kyushu University, Fukuoka, Japan, July 24, 2003.
18. *On Two New Methods Using Ground Magnetometer Data to Study Magnetic Pulsations*. Lockheed Martin Advanced Technology Center, Palo Alto, California, February 25, 1999.
19. *Phase Skipping and Poynting Flux of Continuous Pulsations*. Department of Earth and Planetary Sciences, Kyushu University, Fukuoka, Japan, August 10, 1998.