

## *CURRICULUM VITAE*

### **LINDA ALIDE HINNOV**

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#### **EDUCATION:**

**1994 – Geology, Ph.D., Johns Hopkins University.** Dissertation: *Astronomical Forcing, Ancient Climatic Change and the Sedimentary Record: The Mesozoic of the Southern Alps*. Advisor: Prof.

Lawrence A. Hardie (deceased); Second Reader: Prof. Jeffrey Park (Yale University).

**1985 – Geophysics, M.A., University of Texas at Austin.** Thesis: *Effects of Water Storage on the Earth's Wobble*. Advisor: Prof. Clark R. Wilson.

**1979 – Music, B.A., Princeton University.** Senior Thesis: *Functions of the Repeat in the First Movements of Symphonies*. Advisor: Prof. Claudio Spies (emeritus).

#### **PROFESSIONAL EXPERIENCE:**

**2014-present – Chair Professor,** China University of Geosciences (Wuhan,) PR China

**2013 – Guest Professor,** China University of Geosciences, (Wuhan), PR China

**2009-present – Research Professor,** Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland

**2007-2008 – Invited Professor,** Centre Parisien en Géologie (CEPAGE), Université Marie et Pierre Curie (Paris VI) Paris, France

**2004-2009 – Associate Research Professor,** Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland

**2003-2004 – Senior Lecturer,** Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland

**2003 – Associate Professorial Lecturer,** Department of Earth and Environmental Sciences, George Washington University, Washington, DC

**2002-2007 – NSF Affiliated Fellow,** ADVANCE Program, National Science Foundation and Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland

**1994-2004 – Associate Research Scientist,** Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland

**1994-1999 – Lecturer,** School of Arts and Sciences, Department of Earth and Planetary Sciences, Part-Time Master's Program in Environmental Earth Science and Policy; School of Continuing Studies; Summer Undergraduate Program, Johns Hopkins University, Baltimore, Maryland

**1996-1998 – Scientific Consultant,** Department of Geological Sciences, University of New Mexico, Albuquerque, NM; Department of Earth Sciences, University of Southern California, and AGIP Petroleum, Milan, Italy

**1989 – Lecturer,** Institut d'Astronomie et de Géophysique Georges LeMaitre, Université Catholique de Louvain, Louvain-La-Neuve, Belgium

**1987-1989 – Teaching Assistant,** Department of Earth and Planetary Sciences; School of Continuing Studies, Johns Hopkins University, Baltimore, Maryland

**1986-1989 – Computer Consultant,** Homewood Computing Facility, Johns Hopkins University, Baltimore, Maryland

**1984, 1986 – Astronomer,** The United States Naval Observatory, Washington, DC

**1985 - Teaching Assistant,** Department of Geological Sciences, UT Austin, Texas

**1981-1982 – Geophysical Research Programmer,** Seiscom Delta United, Houston, Texas

**1980-1981 – Seismic Research Programmer,** Department of Geology and Geophysics, Princeton University

**1979-1980 – Seismic Data Analyst,** Sefel Geophysical, Houston, Texas

1979 – **Ship Technician**, U.S. Naval Oceanographic Office, Bay St. Louis, Mississippi  
1978-1979 – **Micropaleontology Lab Assistant**, Department of Geology and Geophysics, Princeton University

#### **HONORS AND AWARDS:**

2012 PROSE Award, Association of American Publishers (to Gradstein, F., et al.)  
2008 SEPM Excellence in Oral Presentation, AAPG Annual Convention, San Antonio, TX  
2006 Mary B. Ansari Best Reference Work Award (to Gradstein, F., et al.)  
2006 SEPM Best Poster Award, AAPG Annual Convention, Houston, TX  
2002-7 ADVANCE Affiliated Fellowship, National Science Foundation  
2001 SEPM Best Paper Award (with Stephen Meyers and Bradley Sageman)

#### **SYNERGISTIC ACTIVITIES:**

##### **Academic Committees**

*Academic Committee* - External Ph.D. examination committee member, Department of Mathematics and Statistics, Queens University, Kingston (Canada), for time series analysis and modeling of nonstationary data (student: Karim Rahim) (2013-2014).

*Academic Committee* – Ph.D. committee member, Centre Parisien en Géologie (CEPAGE), Université Paris, 4 place Jussieu, Paris (France) for a cyclostratigraphy project on global Upper Cretaceous (student: Dorothée Husson) (2009-2010)

*Graduate Board Committee* – Ph.D. committee member, Department of Earth and Planetary Sciences, Johns Hopkins University (student: Lijun Xia) (2009)

*Academic Committee* – Ph.D. committee member, Centre Parisien en Géologie (CEPAGE), Université Paris, 4 place Jussieu, Paris (France) for a cyclostratigraphy project on Upper Jurassic of the Paris Basin (student: Slah Boulila) (2006-2008)

*Academic Committee* – Ph.D. committee member, Department of Geological Sciences, University of Texas at Austin, for a sedimentology/stratigraphy project on Triassic carbonates in the Dolomites, Italy (student: Robert Forkner) (2003-2007)

*Academic Committee* – Ph.D. committee member, Centre Parisien en Géologie (CEPAGE), Université Paris, 4 place Jussieu, Paris (France) for a cyclostratigraphy project on Upper Jurassic of the Paris Basin (student: Emilia Huret) (2005-2006)

*Graduate Board Committee* – Ph.D. committee member, Department of Earth and Planetary Sciences, Johns Hopkins University (student: Scott Werts) (2005)

*Academic Committee* – Ph.D. committee member, Department of Earth Sciences, Vrije Universiteit, Amsterdam (Netherlands) for a sedimentology/stratigraphy project on paleoclimate signals in Middle Triassic basinal deposits (student: Florian Maurer) (2002-2003)

##### **Post-doctoral fellows**

2012-present Arghya Goswami – Ph.D. 2011, University of Texas, Dallas. Co-supervisor with Anand Gnanadesikan and Peter Olson.

2008-2011 Chunju Huang – Ph.D. 2002, China University of Geosciences (CUG), Wuhan, China. Now a tenured professor at CUG, Wuhan.

2010 Marco Franceschi – Ph.D. 2009, University of Padova, Italy. Presently a post-doctoral fellow at University of Trento, Italy.

2007-8 Daniel Franco – Ph.D. 2007, University of São Paulo, São Paulo, Brazil. Now a tenured professor at National Observatory, Rio de Janeiro, Brazil.

2007-8 Emilia Huret – Ph.D. 2006, University of Paris VI, Paris, France. Now a research scientist at ANDRA, the National Radioactive Waste Management Agency of France, Paris, France.

2007-8 Robert Locklair – Ph.D. 2007, Northwestern University, Evanston, IL. Now a research scientist at Chevron Corporation, Houston, Texas.

##### **Other University Activities**

*High school intern sponsor* –

- Geology Ingenuity Project intern Humza Yakoob (Baltimore Polytechnic High School; 2014-present).
- Ph.D. Visiting Student sponsor* –  
Yao Xu (Visiting Ph.D. Student from China University of Petroleum, Qingdao, P.R. China; 2013-2014).
- Panelist* –  
GASLAND and the anti-fracking movement in Maryland, JHU Student Environmental Action Committee (Nov. 2012).
- Ph.D. Dissertation Co-Advisor* –  
Alessandro Marangon (Johns Hopkins University and University of Padova; 2009-2010)
- Academic Advisor* –  
Nicholas Gilson (Earth and Planetary Sciences major, Economics minor, Johns Hopkins University; 2009-2011)
- Undergraduate Research Advisor* –  
Julia Guarino (Earth and Planetary Sciences major, Johns Hopkins University; 2010-2011: Analysis of long time series of atmospheric CO<sub>2</sub>)  
Nicholas Gilson (Earth and Planetary Sciences major, Economics minor, Johns Hopkins University; 2009-2010: Greenland and Antarctic climatology - analysis of automatic weather station data from 2000-2009)
- School of Education* – Faculty partner in development of the earth/space science teacher's certificate curriculum in the Science, Technology, Engineering, and Mathematics (STEM) Initiatives Program (with Barry Aprison, Director) (2008); SABES (STEM Achievement in Baltimore Elementary Schools) scientific consultant (2013-2014).
- Research Experience for Undergraduates* – Faculty supervisor for undergraduate research to support NSF-REU funded projects:
- (1) Justin Tosti (Earth & Planetary Sciences, Johns Hopkins University): Stratigraphic hiatus modeling (2011)
  - (2) Robert Pettit (General Engineering, University of Maryland): Compilation of global data on Miocene paleoclimate and eustasy for ANDRILL project (2009)
  - (3) Owen Murphy (Physics & Electrical Engineering, University of Maryland): Animation demonstrating low-frequency resonance between the Earth and Mars orbits (2008)
  - (4) Robert Houston (History, University of Maryland): Data entry and processing of Cretaceous cyclostratigraphy for the Mesozoic Astronomical Time Scale (2008)
  - (5) Sarah Frank (Earth & Planetary Sciences, Johns Hopkins University): Data processing and exploratory analysis of ANDRILL well-logging (2009)
  - (6) Mehdi Draoua (Biology, Johns Hopkins University): Data assimilation for Cretaceous astronomical time scale estimation (2008)
  - (7) Erica Barth (Earth & Planetary Sciences, Johns Hopkins University): Transatlantic biostratigraphy of the K/T boundary interval (2006)
  - (8) Karen Lopez (Earth & Planetary Sciences, Johns Hopkins University): Cyclostratigraphy and biostratigraphy of the K/T boundary interval in Blake Nose ODP well logs (2006)
  - (9) Sean Culkin (Earth & Planetary Sciences, Johns Hopkins University): Cyclostratigraphy of the K/T boundary interval in Blake Nose ODP well logs (2005)
  - (10) Brennan Greene (Earth & Planetary Sciences, Johns Hopkins University): Recovery of cyclostratigraphic data from the K/T boundary interval, Zumaya, Spain (2005)
  - (11) Kelly Reeves (Earth & Planetary Sciences, Johns Hopkins University): Development of the **CHRONOS**-Cyclostratigraphy website; upgrade of the *eGuide to Paleoclimates* (2004)
  - (12) Dominique Tamburrino (Biology, Brown University): Creation and development of the **CHRONOS**-Cyclostratigraphy website (2004)
- Technology Fellowship* – Faculty partner in a Johns Hopkins University CER technology project (with undergraduate senior, An Phan) to create the *eGuide to Paleoclimates*, a new educational resource for the study of Earth's paleoclimates (2003-2004)

## National Science Foundation

- NSF Workshop on Emerging Rock Magnetic Proxies for Stratigraphy* – Co-convenor with Michael Whalen and Ken Kodama on the development of rock magnetic paleoenvironmental proxies for Paleozoic stratigraphy (in preparation).
- NSF Workshop on Scientific Drilling and the Evolution of the Earth System: Climate, Biota, Biogeochemistry, and Extreme Events* – Invited participant and speaker, Norman, Oklahoma (May, 2013).
- NSF ADVANCE Workshop on Hothouse Ecosystems, Greenhouse Gases, and Orbital Forcing in Deep Time*, Invited Speaker, Brown University, Providence, Rhode Island (July 2011).
- NSF Workshop on the Deep Time Earth-Life Observatory Network (DETELON)* – Participant, invited speaker and DOSECC representative (February, 2011).
- NSF-ANDRILL McMurdo Ice Shelf Project Science Integration Workshop* – Invited speaker in a workshop to share data, current interpretations and key results of the MIS drilling project, Wellington, New Zealand (February, 2009).
- NSF-CSDMS Workshop on the Community Sedimentary Model for Carbonate Systems* – Invited participant at a workshop to assess challenges for fundamental research on ancient and modern carbonate systems with emphasis on the next generation of numerical models (February, 2008).
- NSF- NAGT Workshop on Teaching Sedimentary Geology in the 21st Century* – Invited presenter at a workshop for university educators to enhance the teaching of sedimentary geology at the undergraduate level (July 2006).
- NSF-ICDP Workshop on HOTSPOT, the Snake River Scientific Drilling Project* – Invited speaker at a discussion of the science issues and logistics central to an intermediate depth drilling project by the International Continental Scientific Drilling Program in the Snake River Plain of southern Idaho (May, 2006).
- NSF Workshop on Sino-US Collaborative Research, Critical Transitions in the History of Life* – Invited participant in discussions concerning funding and infrastructure needs for research on critical geological intervals being conducted jointly by China and the U.S. (November 2005).
- NSF-ANDRILL Workshop* – Invited participant in a discussion and invitation to apply to work on the inaugural MIS and SMS projects of the Antarctic Drilling Program (ANDRILL) (April 2005).
- NSF Workshop on GEOSYSTEMS* – Invited participant and position-paper contributor in a workshop to assess the resources and funding needs of the deep-time paleoclimatology community (Sept 2004).
- NSF Workshop on CHRONOS-Geochemical Cycles* – Invited speaker-participant at a workshop to assemble a comprehensive chemostratigraphy database (June 2004).
- NSF Workshop on High-Precision Geochronology* – Invited participant of a workshop to recommend future needs for high-precision geochronological calibration of the time-scale (October 2003).
- NSF Workshop on Deep-Time Paleoclimatology* – Invited participant of a workshop to assess current and future resource and funding needs of the paleoclimatology community (May 2003).
- NSF Workshop on Integrated Chronostratigraphic Databases for the 21st Century* – Participating member of an NSF-sponsored workshop to assess current and future resource and funding needs of the geologic community in need of chronostratigraphy and geochronology (October 2001).

#### **Service to scientific community**

- Journal Referee* – for *Nature*, *Science*, *Geology*, *Geological Society of America Bulletin*, *Earth and Planetary Science Letters*, *Geologische Rundschau*, *American Journal of Science*, *Quaternary Science Reviews*, *Quaternary International*, *Geophysical Research Letters*, *Journal of Sedimentary Research*, *Cretaceous Research*, *Sedimentology*, *Sedimentary Geology*, *Palaeogeography Palaeoclimatology Palaeoecology*, *Stratigraphy*, *Journal of the Geological Society of London*, *Climatic Change*, *Theoretical and Applied Climatology*, *Paleoceanography*, *Water Resources Research*, *Journal of Volcanology and Geothermal Research*, and assorted special publications.
- Proposal referee* – US National Science Foundation, European Science Foundation, Petroleum Research Fund of the American Chemical Society, Austrian Research Fund, and Netherlands Organisation for Scientific Research (NWO), Italian Ministry for Education University and Research (MIUR).

*Proposal panels* – US National Science Foundation: IGERT Program (2008); Ocean Sciences Postdoctoral Research Fellowships (OCE-PRF) and Ocean Sciences Research Initiation Grants (OCE-RIG) (2012).

#### **Conference/meeting session convener**

*American Geophysical Union Fall Meeting* – Co-convenor (with Luigi Jovane, Ken Kodama and Toshitsugu Yamazaki), SWIRL Theme - Characterizing Uncertainty: Recent Developments in Chronostratigraphy Reducing Uncertainty in the Geologic Time Scale (December, 2014).

*American Geophysical Union Fall Meeting* – Co-convenor (with Luigi Jovane and Ken Kodama) of a special session: Paleomagnetism and Chronostratigraphy: Magnetostratigraphy, Relative Paleointensity and Cyclostratigraphy (December 2013).

*American Geophysical Union Fall Meeting* – Co-convenor (with Jessica Whiteside) of a special session: Milankovitch forcing and biochemical cycling, Paleozoic to Paleogene: staying ahead of the curve (December 2012).

*American Geophysical Union Fall Meeting* – Co-convenor (with Ken Kodama and Luigi Jovane) of a special session on: Chronostratigraphies and long term behavior of the field (December 2012).

*International Continental Drilling Program Workshop* – Mochras Revisited: a New Global Standard for Early Jurassic Earth history – Co-convenor (with Prime-PI Stephen Hesselbo, and 10 others from Europe and the Americas), Oxford, UK (March, 2013).

*Geological Society of America Annual Meeting* – Co-convenor (with James Ogg and Mark Schmitz) of a GSA Topical Session: ♦Geologic Timescale – current status, future enhancement and applications♦ (October, 2012).

*American Geophysical Union Fall Meeting* – Co-convenor (with Luigi Jovane, Bernie Housen and Emilio Herrero-Berbera) for a topical session Magnetostratigraphy: Not Only a Dating Tool (San Francisco) (December, 2010, 2011).

*Geological Society of America Annual Meeting* – Co-convenor (with Mark Schmitz and Blair Schoene) of a GSA Topical Session: ♦EARTHTIME Geochronology: Improving Age Interpretations through Integration and Intercalibration♦ (October, 2011).

*American Geophysical Union Meeting of the Americas 2010* – Co-convenor for two sessions, Magnetostratigraphy: Not Only a Dating Tool, and Geomagnetic Field and Climate–Data and Methods (Iguazu Falls, Brazil) (August, 2010).

*American Association of Petroleum Geologists Annual Convention* – Co-convenor (with James Ogg) of a special session in Hydrocarbons and Basin Analysis: ♦Cyclostratigraphy and the Astronomical Time Scale♦ (June, 2009).

*Geological Society of America Annual Meeting* – Co-convenor (with James Ogg) of a GSA Topical Session: ♦The Astronomically Forced Sedimentary Record: From Geologic Time Scales to Lunar-Tidal History♦ (October, 2008).

#### **Other Activities**

*IsoAstro Geochronology Workshop: The integration and intercalibration of radioisotopic and astrochronologic time scales* – Invited lecture on Milankovitch theory, Madison, WI (August 2014).

*International Geoscience Programme Project 591* – Keynote speaker, Third Annual Meeting on ♦Early Palaeozoic Global Change♦, University of Lund, Sweden (June, 2013).

*Rock Magnetic Cyclostratigraphy* – fast-track Wiley monograph book, co-author with Kenneth Kodama, Lehigh University (May, 2013).

*International Continental Drilling Program, Mochras Revisited Workshop* – Invited speaker, Oxford, UK (March, 2013).

*DIMACS Workshop on Geological Data Fusion* – Keynote speaker and session co-chair with Dave Thomson for ♦Spectral analysis and the identification of climatic pacemakers♦ (January, 2013).

*Geological Society of London* – Co-editor (with Luigi Jovane, Bernie Housen and Emilio Herrero-Berbera), special volume: ♦Magnetic Methods and the Timing of Geological Processes♦ (2011-2).

*Drilling, Observation and Sampling of the Earth's Continental Crust (DOSECC)* – Co-chair, Science Planning Committee (2012-present); Member, Science Planning Committee (2010-2013).

*Conference on the Colors of Cretaceous and Paleogene Oceans* – Invited presenter at an international meeting in honor of Isabella Premoli-Silva (University of Milano, Italy) (May, 2010).

*International Subcommission on Jurassic Stratigraphy* – Voting Member (2010-2014).

*SEPM Research Group on Sequence Stratigraphy Annual Meeting* – Invited presenter at the annual meeting of the SEPM Society for Sedimentary Geology annual meeting, talk on "The role of Milankovitch in the forcing of higher order sequence stratigraphy" (June 2009).

*European Science Foundation* – Member of the ESF Pool of Referees (2008-2011).

*Educational Outreach* – Sharing of earth science teaching materials and expertise with Baltimore City's Waldorf High School science department (2007-2008).

*ANDRILL Program* – Off-ice participant in the McMurdo Ice Shelf (MIS) and South McMurdo Sound off-shore Antarctic drilling projects (2006-2009).

*International Commission on Stratigraphy Task Group Workshop* – Group leader and coordinator to inaugurate international activities to astronomically tune Mesozoic global stratigraphy (September 2006).

*Penrose Conference: Future of Chronostratigraphy: Beyond the GSSP* – Invited presenter and discussion leader on the advent and future of astronomically calibrated geologic time (June 2006).

*EARTHTIME Project* – Steering committee member and online forum administrator of an NSF-sponsored community project to develop and integrate high-precision geochronological data (2005-present).

*International Commission on Stratigraphy* – Co-chair (with Frits Hilgen, University of Utrecht, and Heiko Pöhlke, Southampton University), task group for an astronomical time scale for the past 250 million years; corresponding member, Subcommission on the Cretaceous System (2004-2008).

*Editorial Board, Geology* – Three-year term member of the Editorial Board for *Geology*, responsible for manuscript reviews on topics relating to paleoclimatology, paleoceanography, stratigraphy and sedimentology (2004-2006).

*CHRONOS Network Project* – Steering committee member and thematic task coordinator and original workshop participant of an NSF-sponsored cyberinitiative for integrative database development of Earth system history information (2001-2004).

*Seceda Drill Core Project* – Contributing researcher in an international consortium aimed to collect and analyze multidisciplinary data on Middle Triassic chronostratigraphy (1999-2003).

*Scientific advising* – Host and/or scientific advisor to graduate students at the request of their supervisors: Gregory Pasternack (1997, Ph.D., Department of Geography and Environmental Engineering, Johns Hopkins University), Alessandro Grippo (1998, Ph.D., University of Southern California), Stephen Meyers (1998, Ph.D., Northwestern University), Andrea Albanelli (1999, Ph.D., University of Florence, Italy), Nereo Preto (2000, University of Padua, Italy), Helen Lever (2001, Ph.D., James Cook University, Australia), Florian Maurer (2002-3, Ph.D., Vrije Universiteit, Netherlands), Diana Latta (2004-5, Ph.D., Lehigh University), Michael Newton (2006, M.S., Lehigh University); Robert Forkner (2005-7, Ph.D., UT Austin); Emilia Huret (2005-6, Ph.D., Université Paris VI), Slah Boulila (2006-7, Ph.D., Université Paris VI); Diana Magens (2009, Ph.D., Alfred Wegener Institute, Bremerhaven, Germany); Maggie McKee (2010, M.S., University of Northern Illinois); Alessandro Marangon (2011, Ph.D., University of Padua); Yao Xu (2013, Ph.D., China University of Petroleum, Qingdao).

## **TEACHING EXPERIENCE:**

### **Principal Lectureships**

*Open Earth Systems: An Earth Science Course For Maryland Teacher Professional Development*, Department of Earth and Planetary Sciences, School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland (Summers, 2013-present)

*Energy Resources in the Modern World*, Department of Earth and Planetary Sciences, School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland (Falls, 2011-present)

*Climates of the Past*, Department of Earth and Planetary Sciences, School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland (Falls, 2004-6, Springs, 2008-present)

*History of the Earth and its Biota*, Department of Earth and Planetary Sciences, School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland (Falls, 2007-2010)

*Earth System History with Laboratory*, Department of Earth and Planetary Sciences, School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland (Falls, 2005 and 2006)

*Global Climate Change*, Department of Earth and Environmental Sciences, George Washington University, Washington, D.C. (Spring, 2003)  
*Understanding and Teaching Physical Geology*, School of Continuing Studies, Division of Education, Johns Hopkins University, Baltimore, Maryland (1999)  
*Quantitative Methods for Environmental Sciences*, Part-Time Graduate Programs, Johns Hopkins University, Baltimore, Maryland (1996 and 1997)  
*Erosion and Sedimentation*, Part-Time Graduate Programs, Johns Hopkins University, Baltimore, Maryland (1995)  
*Global Warming Theory*, Summer Undergraduate Program, Johns Hopkins University, Baltimore, Maryland (1993-1995)  
*Physical Processes of the Chesapeake Bay*, School of Continuing Studies, Johns Hopkins University, Baltimore, Maryland (1992)

### **Short Courses**

*Time Series Methods in Cyclostratigraphy* – Five-day intensive instructional course at China University of Geosciences, Beijing (October, 2013).  
*Earth Signal Analysis* – Half-day course on ♦Assessing Global Climate Change and Sustainability♦ to engineering graduate students at Arizona State University (January, 2012).  
*Geological Society of America Annual Meeting* – Co-convenor (with Cindy Parker, Andreas Spanias and Karthikeyan Ramamurthy) of Professional Short Course: ♦Assessing Global Climate Change and Sustainability with J-DSP/ESE Tools♦ (October, 2011; was cancelled).  
*Geological Society of America, Northeast/Southeast Meeting* – Co-convenor (with Andreas Spanias, Karthikeyan Ramamurthy) of a short course entitled: ♦Analyzing Earth Signals with J-DSP: Real-time, Deep-time, On-line♦ (March 2010).  
*Time Series Analysis of Paleoclimate Data* – Hands-on instruction to faculty and students at the Department of Earth and Environmental Sciences, Lehigh University (Spring 2004).

### **Teaching Assistantships**

*Physical Geology*, School of Continuing Studies, Johns Hopkins University, Baltimore, Maryland (1988)  
*History of the Earth and Its Biota*, Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Maryland (1987)  
*Borehole Seismology*, Department of Geological Sciences, University of Texas, Austin, Texas (1985)  
*Exploration Geophysics*, Department of Geological Sciences, University of Texas, Austin, Texas (1983)

### **INVITED PRESENTATIONS (see also SYNERGISTIC ACTIVITIES, pp. 2-5, and Abstracts, pp. 15-23):**

46. *University of Oklahoma*, upcoming, Fall 2014
45. *Geological Society of Washington*, Spring 2014
44. *George Mason University*, Spring 2014
43. *University of Michigan*, Winter 2014
42. *Queen ♦s University, Kingston, Canada*, Fall 2013
41. *China University of Geosciences, Wuhan*, Fall 2013
40. *China University of Geosciences, Beijing*, Fall 2013
39. *University of Copenhagen, Denmark* Spring 2013
38. *University of Delaware*, Spring 2012
37. *Old Dominion University*, Fall 2011
36. *National Observatory, Rio de Janeiro, Brazil*, Summer 2010 (postponed)
35. *University of Padova, Italy*, Spring 2010
34. *University of North Carolina-Chapel Hill*, Spring 2009
33. *Geological Society of Philadelphia*, Spring 2009
32. *University of Cincinnati*, Fall 2008
31. *Yale University*, Fall 2008
30. *Universit ♦ Pierre et Marie Curie, Paris*, Spring 2008
29. *University of Wisconsin, Madison*, Winter 2008

28. Loyola University, Baltimore, Winter 2008
27. Arizona State University, Fall 2007
26. Geological Society of Washington, Spring 2007
25. University of Delaware, Spring 2007
24. University of Cincinnati, Spring 2007
23. Lamont-Doherty Earth Observatory, Fall 2006
22. University of Texas, Austin, Fall 2005
21. Université Pierre et Marie Curie, Paris, Spring 2005
20. Johns Hopkins University (DOGEE), Fall 2004
19. University of Maryland, Horn Point, Fall 2004
18. Serbian Academy of Sciences and Arts, Summer 2004
17. International Geological Congress, Summer 2004
16. Johns Hopkins University (E&PS), Spring 2004
15. Massachusetts Institute of Technology, Spring 2004
14. University of South Carolina, Spring 2004
13. Lehigh University, Spring 2004
12. Vrije Universiteit, Amsterdam, Spring 2003
11. Johns Hopkins University (E&PS), Fall 2001
10. Purdue University, Spring 2000
9. George Washington University, Fall 1999
8. Northwestern University, Spring 1999
7. Royal Society of London, Fall 1998
6. NASA Geodynamics Branch, Spring 1998
5. Binghamton University, Spring 1998
4. Towson University, Spring 1998
3. Johns Hopkins University (E&PS), Spring 1997
2. University of New Mexico, Fall 1996
1. University of North Carolina-Chapel Hill, Spring 1995

## PUBLICATIONS:

### Books

2. *Rock Magnetic Cyclostratigraphy*, Wiley-Blackwell Fast-Track Monograph, New Analytical Methods in Earth and Environmental Science series, by K.P. Kodama and **L.A. Hinnov**, 2014.
1. *Magnetic Methods and the Timing of Geological Processes*, Geological Society of London, Special Publication 373, by L. Jovane, E. Herrero-Bervera, **L. A. Hinnov** and B. A. Housen, editors, 2013.

### Book chapters



5. Ogg, J., and **Hinnov, L.A.** (2012), INVITED: Chapter 26: Jurassic, in Gradstein, F., Ogg, J., Ogg, G., and Smith, D., eds., *A Geologic Time Scale 2012*, Elsevier, 731-791. [**Prose Award.**]
4. Ogg, J., and **Hinnov, L.A.** (2012), INVITED: Chapter 27: Cretaceous, in Gradstein, F., Ogg, J., Ogg, G., and Smith, D., eds., *A Geologic Time Scale 2012*, Elsevier, 793-853. [**Prose Award.**]
3. **Hinnov, L.A.**, and Hilgen, F. (2012), INVITED: Chapter 4: Cyclostratigraphy and Astrochronology, in Gradstein, F., Ogg, J., Ogg, G., and Smith, D., eds., *A Geologic Time Scale 2012*, Elsevier, 63-83. [**Prose Award.**]
2. **Hinnov, L.A.** (2004), INVITED: Chapter 4: Earth's orbital parameters and cycle stratigraphy, in Gradstein, F., Ogg, J., and Smith, A., eds., *A Geologic Time Scale 2004*, Cambridge University Press, 55-62. [**Ansari Best Reference Award.**]
1. **Hinnov, L.A.** (2003), INVITED: Milankovitch cycles, in Middleton, G., ed., *Encyclopedia of Sediments and Sedimentary Rocks*, Kluwer Academic, Dordrecht, 441-443.

### Papers



May 1, 2014: Web of Knowledge, h-index: 18; Researcher ID D-9486-2013: <http://www.researcherid.com/rid/D-9486-2013>, h-index=18; Google Scholar: <http://scholar.google.com/citations?user=fQdXHj4AAAAJ&hl=en>, h-index: 22; #post-doc or student advisee is first author (31 papers and 53 conference abstracts).

In preparation:

94. Florkowski, D., **Hinnov, L.A.**, and Huang, C. (in prep.), Empirical record of Earth-Mars orbital resonance in a 25 million year-long cyclostratigraphic sequence from the Lower Cretaceous (100-125 Ma), for *Earth and Planetary Science Letters*.
93. Huang, C. and **Hinnov, L.A.** (in prep.), Astronomically forced climate change recorded in late Middle Eocene-Early Oligocene lacustrine sediments, China, for *Nature Geoscience*.
92. Huang, C., **Hinnov, L.A.**, Swientek, O., Ogg, J., Smelnor, M. (in prep.), Astronomical tuning of Late Jurassic-early Cretaceous sediments (Volgian-Ryazanian stages), Greenland-Norwegian Seaway, for *Earth and Planetary Science Letters*.
91. **Hinnov, L.A.**, Fischer, A.G., and Stott, L. (in prep.), Global expression of astronomically forced insolation during the Eocene optimum: continental Green River Formation (Wyoming, USA) v. marine sediment record, Demerara Rise and Weddell Sea, for *Geology*.
90. Acton, G., Florindo, F., **Hinnov, L.A.**, Jovane, L., and Verosub, K.L. (in prep.), Plio-Pleistocene climate evolution of the Ross Sea sector, Antarctica, recorded in rock magnetic data, Eltanin, for *Nature Geoscience*.
- 89.. Boulila, S., Ogg, J., Przybylski, P.A., Galbrun, B., **Hinnov, L.A.**, Coe, A., Tominaga, M., and Sager, W.W. (in prep.), Pacific spreading rates during the Late Jurassic and Early Cretaceous, *Geology*.
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