TEXAS STATE VITA

Please note: For all entries, list most recent items first. Headings without entries may be eliminated, but the heading lettering/numbering should remain consistent with this template.

I. Academic/Professional Background

A. Name: HECTOR. R. HINOJOSA Title: PH.D., P. G. (TX licensed Prof. Geoscientist)

B. Educational Background

Degree Year University Major Thesis/Dissertation
PH.D., 2016, Cologne University, Geology, "Local Site Effects in Archaeoseismology:Examples from the Mycenaean Citadels of Tiryns and Midea Argive Basin, Peloponnese, Greece".
M.S., 2009, Miami University, Geophysics, "Subduction-zone Related Nonvolcanic Tremor in Oaxaca, Mexico".
M.S., 2006, Ohio University, Geology, "Tectonothermal history of the La Noria-Las Calaveras region, Acatlán Complex, southern Mexico: Implications for Paleozoic tectonic models".
B.S., 2003, The University of Arizona, Geosciences

C. University Experience

Position	*University*	*Dates*
Adjunct Faculty	TEXAS STATE UNIVERSITY	08/19 – 12/19
Geology Teaching Assistant	MIAMI UNIVERSITY	08/07 – 05/09
Earth Sciences & Math Teacher	SAN LUIS HIGH SCHOOL, DISTRICT #70	01/07 – 05/07
Geology Teaching Assistant	OHIO UNIVERSITY	03/04 – 08/06
Math Tutor	ARIZONA WESTERN COLLEGE	01/00 – 05/00
ESL & English Writing Tutor	ARIZONA WESTERN COLLEGE	01/99 –12/99

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Sr. Geologist & Geophysicist,	Cordillera Geo-Services, LLC	08/16 to Present
Sr. Geologist, Geophysical Application Eng.	Advanced Geosciences, Inc.	10/16 – 03/18
Geoscientist, Seismological Station	Bensberg, Cologne University, Germany	05/12 – 06/16
Geophysicist,	Advanced Geosciences, Inc.	09/09 – 04/12
Borehole Geophysics Intern	BLM mbH, Germany	04/16 – 05/16
Drilling and Blasting Intern	ISDAMAR Company, Mexico	12/98 – 01/99
Metallurgy Intern	SGS Geochemical Laboratory, Mexico	05/97 – 08/97

E. Other Professional Credentials (licensure, certification, etc.)

II. TEACHING

A. Teaching Honors and Awards:

B. Courses Taught:

- Design for Environment (TECH 4340 at Texas State Univerity))
- Introduction to Geology Lab courses, Ohio University
- Structural Geology Lab courses, Ohio University
- Earth Science and two sections of Beginning-Algebra and High School Emergency teacher
- Introduction to Geology Lab courses, Miami University
- Tutored Pre-algebra, Beginning Algebra, Intermediate Algebra, College Algebra, Linear Algebra, Pre-Calculus, College Calculus I, College Calculus II and College Calculus III; tutored in English and Spanish, Arizona Western College.

C. Graduate Theses/Dissertations, Honors Theses, or Exit Committees (if supervisor, please indicate):

D. Courses Prepared and Curriculum Development:

E. Funded External Teaching Grants and Contracts:

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

I. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press)

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:
Hinojosa-Prieto HR. 2010. Evidence of the Rheic Ocean in southern-central Mexico. The tectonothermal history of the northwestern Acatlán Complex (La Noria). VDM Verlag Dr. Müller e.K. Germany, pp. 68. (Book).

2. Articles

a. Refereed Journal Articles:
Klaus-G. Hinzen, Joseph Maran, **Hector Hinojosa-Prieto**, Ursula Damm-Meinhardt, Sharon K. Reamer, Jana Tzislakis, Kilian Kemna, Gregor Schweppe, Claus Fleischer, Katie Demakopoulou; Reassessing the Mycenaean Earthquake Hypothesis: Results of the HERACLES Project from Tiryns and Midea, Greece. Bulletin of the Seismological Society of America. doi: https://doi.org/10.1785/0120170348

Hinzen K-G, **Hinojosa-Prieto HR**, Kalytta T. 2016. Site Effects in Archaeoseismic Studies at Mycenaean Tiryns and Midea. Seismological Research Letters. 87 (5), 1-15, doi: 10.1785/0220160032.

Hinojosa-Prieto HR, Vidal-Solano JR, Kibler WK, Hinojosa-García HJ. 2016. Geology of the Selene perlite deposit, northwestern Sierra Madre Occidental, Sonora, Mexico. *Boletín de la Sociedad Geológica Mexicana*. 68 (1), 129-163.

Hinojosa-Prieto HR, Hinzen K-G. 2015. Seismic velocity model and near-surface geology at Mycenaean Tiryns, Argive Basin, Peloponnese, Greece. *Near Surface Geophysics*. 13 (2), 103-113. doi: 10.3997/1873-0604.2015002.

Vidal-Solano JR, Reyna M, Gastélum J, Hinojosa-García H, Pérez-Tello M, **Hinojosa-Prieto HR**, Escareño-Márquez P. 2014. Characterization petrographic, geochemical and thermal gravimetric on some perlite Oligocene deposits in the State of Sonora, Mexico: Contribution to the study of the metallurgical process of expansion. *Advances in Minerals and Materials Engineering*. 1 (1), 330-344.

Kibler WK, **Hinojosa-Prieto HR**, Shackley MS, Hinojosa-García HJ. 2014. The Selene Obsidian Source (Formerly Sonora Unknown B) of the Upper Río Bavispe Basin, Sonora, Mexico. *Kiva*. 80 (2), 168-192.

Brudzinski MR, **Hinojosa-Prieto HR**, Schlanser KM, Cabral-Cano E, Arciniega-Ceballos A, Díaz-Molina O, DeMets C. 2010. Nonvolcanic Tremor along the Oaxaca segment of the Middle America Subduction Zone. *Journal of Geophysical Research*. 115 B00A23, doi: 10.1029/2008JB006061.

Hinojosa-Prieto HR, Nance RD, Keppie JD, Dostal JV, Ortega-Rivera A, Lee JKW. 2008. Ordovician and Late Paleozoic-Early Mesozoic tectonothermal history of the La Noria area, northern Acatlán Complex, southern Mexico: Record of convergence in the Rheic and paleo-Pacific Oceans. In Evolution and closure of the Rheic Ocean: Paleozoic drift of peri-Gondwanan terranes and Alleghenian-Variscan orogenic processes. *Tectonophysics Special Publication 461*. 324-342.

b. Non-refereed Articles:
Hinojosa Prieto HR. 2011. Los tremores no-volcánicos del Pacífico mexicano y su posible significado. *Nuestra Tierra*, No. 15, p. 10-12, 30/Junio. Órgano de difusión de la Estación Regional del Noroeste (ERNO), Universidad Nacional Autónoma de Mexico (UNAM).

3. Conference Proceedings

a. Refereed Conference Proceedings:

Hector R. Hinojosa-Prieto, Jesús R. Vidal-Solano, Karl W. Kibler, Héctor J. Hinojosa-García. 2016. Geología del depósito de perlita Selene, NE de Sonora, México y su relación con el volcanismo sin-extensional en el norte de la Sierra Madre Occidental, SE20 Rasgos geodinámicos e historia geológica del NW de México Sesión especial. *Reunión Anual de la Unión Geofísica Mexicana (RAUGM)*, Puerto Vallarta, Jalisco, México, 30th October-4th November (Talk).

Jesús R. Vidal-Solano, **Hector R. Hinojosa-Prieto**. 2016. Geoquímica del depósito de Perlita Selene y rocas asociadas, NE de Sonora, Mexico: Últimas expresiones volcánicas sin-extensionales en la Sierra Madre Occidental, SE20 Rasgos geodinámicos e historia geológica del NW de México Sesión especial. *Reunión Anual de la Unión Geofísica Mexicana (RAUGM)*, Puerto Vallarta, Jalisco, México, 30th October-4th November (Talk).

Emmanuel Melgarejo Joris, Jesús R. Vidal Solano, Abraham Mendoza Cordova, Héctor J. Hinojosa García, **Héctor R. Hinojosa Prieto**, Carlos J. Valencia Durazo. 2016. Petrografía y determinación mineral por medio de DRX de los domos rioliticos con perlita y obsidiana en Babidanchi, NE de Sonora, México: Implicaciones sobre el origen de su formacion, SE20 Rasgos geodinámicos e historia geológica del NW de México Sesión especial. *Reunión Anual de la Unión Geofísica Mexicana (RAUGM)*, Puerto Vallarta, Jalisco, México, 30th October-4th November (Poster).

Klaus-G Hinzen, Ursula Damm-Meinhardt, Claus Fleischer, **Hector Hinojosa-Prieto**, Joseph Maran, Sharon K. Reamer, Gregor Schweppe, Jana Tzislakis. 2016. Mycenaean Tiryns and the Earthquake Hypothesis: Summary of Results from the HERACLES Project. *35th General Assembly of the European Seismological Commission (ESC)*, Trieste, Italy, 4-10 September. (Talk).

Haaf N, Yogeshwar P, **Hinojosa-Prieto HR**, Tezkan B, Hinzen KG, Soupios P. 2015. Transient electromagnetic (TEM) measurements for exploring sedimentary structures in Tiryns and Midea, Greece. *75th Annual Meeting of the German Geophysical Society*, Hannover, Germany, 23-26 March. (Poster).

Vidal-Solano JR, Hinojosa-García H, **Hinojosa-Prieto H**. 2014. Caracterización petrológica de las riolitas con perlita y obsidiana en Sonora, México: Implicaciones geológicas para su formación. *Reunión Anual de la Unión Geofísica Mexicana, Geos*. 34 (1), 333. Puerto Vallarta, Jalisco, Mexico, 2-7, November. (Talk).

Hinzen K-G, Fleischer C, **Hinojosa H**, Maran J, Meinhardt U, Reamer SK, Schweppe G, Tzislakis J. 2013. The Mycenaean palace of Tiryns, elements of a comprehensive archaeoseismic study. Seismological Society of America Annual Meeting, *Seismological Research Letters*. 84 (2), 350 pp. Salt Lake City, UT, USA, 17-19, April. (Poster).

Brudzinski Michael, Schlanser Kristen; **Hinojosa-Prieto Hector**; Cabral-Cano Enrique, Arciniega-Ceballos Alejandra, Diaz-Molina Oscar, DeMets Charles. Episodic Tremor and Slip along The Oaxaca Segment of the Middle America Subduction Zone and Comparisons to Cascadia and Nankai. *Geological Society of America Annual Meeting, Session 82, T64*. Portland, OR, USA, 19 October. (Talk).

b. Non-refereed:

Hinojosa-Prieto HR, Hinzen K-G. 2014. Earthquake and the Collapse of Mycenaean Tiryns and Midea: From Myth to a Testable Earthquake-Hypothesis. *1st Research Conference of the Graduate School of Geosciences, Department of Geosciences, Cologne University, Cologne Germany.* 26-27 June. (Poster).

4. Abstracts:

Soupios P, **Hinojosa-Prieto HR**, Hinzen K-G. 2014. Mapping the Soil-Bedrock Interface in the Alluvial Argive Basin (Greece) with TEM Soundings. *20th European Meeting of Environmental and Engineering Geophysics, Extended Abstract,* Athens, Greece, 14-18 September. (Talk).

Porritt RW, Allen R, Moschetti M, Lin F, Rizwoller M, Boyarko D, Brudzinski M, **Hinojosa-Prieto HR**. 2008. Ambient Seismic Noise Tomography in the Pacific Northwest Employing Earthscope Flexible Arrays. *Eos Trans. AGU 89 (53), Fall Meeting, San Francisco, CA, USA, Suppl., Abstract S31A-1881*. (Poster).

Hinojosa-Prieto H, Brudzinski MR, Cabral-Cano E, Arciniega-Ceballos A, DeMets C, Díaz-Molina O, Carey T. 2008. Spatial and Temporal patterns of Non-volcanic Tremor source locations along the Oaxacan segment of the Mexican Subduction Zone. *IRIS Annual Workshop. Episodic Tremor and Slip, Abstract*, Stevenson, WA, USA, 4-6 June. (Poster).

Hinojosa-Prieto HR, MR Brudzinski, E Cabral-Cano, A Arciniega-Ceballos, O Diaz-Molina, C DeMets. 2008. Non-Volcanic Tremor along the Oaxaca segment of the Middle America Subduction Zone. *Eos Trans. AGU 89 (53), Fall Meeting, San Francisco, CA, USA, Suppl., Abstract U33A-0042.* (Poster).

Hinojosa-Prieto HR, Brudzinski MR, Cabral-Cano E, Arciniega-Ceballos A, DeMets C, Díaz-Molina O. 2007. Spatial and temporal patterns of non-volcanic tremor source locations along the Oaxacan segment of the Mexican Subduction Zone. *Eos Trans. AGU 88 (52), Fall Meeting, San Francisco, CA, USA, Suppl., Abstract T21A-0350*. (Poster).

Hinojosa-Prieto HR, Nance RD, Keppie JD, Dostal JV, Miller BV, Murphy JB. 2006. Tectonomagmatic and Paleozoic evolution of plutonic rocks in the northern Acatlán Complex, La Noria area, southern Mexico. *Geological Society of America Abstracts with Programs.* 38 (2), Session 13, p. 22. Harrisburg, PA, USA, 20-22, March. (Talk).

Hinojosa-Prieto HR, Nance RD, Keppie JD, Miller BV, Gehrels G, Valencia VA. 2005. Provenance and Paleozoic history of the Acatlán Complex in the La Noria area of southern Mexico. *Geological Society of America Abstracts with Programs.* 37 (7), Session 28, p. 69. Salt Lake City, UT, USA, 16-19, October. (Poster).

5. Reports:

Hinojosa HR. July 2019. Non-Destructive Three-Dimensional Electrical Resistivity Imaging at Archaeological Sites 41FN178 and 41FN244 in Support of the Archaeological Investigations at Bois d'Arc Lake Reservoir. For AR Consultants, Inc.

6. Book Reviews:

7. Other Works in Print:

B. Works not in Print

1. Papers Presented at Professional Meetings:

2. Invited Talks, Lectures, and Presentations:
   - Arqueosismología: aplicaciones y aportaciones científicas (Hermosillo, Sonora, México)
   - Geoeléctrica Avanzada en Problemas de Ingeniería/Geotecnia (Panama City, Panama)
   - Tomografía de Refracción Sísmica en Problemas de Ingeniería/Geotecnia (Panama City, Panama)

3. Consultancies:
   - Electrical resistivity imaging technical training (Eagle Pass, Texas, 2018)
   - Electrical resistivity imaging data collection, processing, and interpretation (Panama City, Panama, 2016)
   - Electrical resistivity imaging data processing (Morelia, México, 2016)
   - Perlite exploration campaign (Sonora, México, 2015)
   - Electrical resistivity imaging technical training (Dallas, Texas, 2010)

4. Workshops:
   - Workshop on Borehole and Surface Seismic Methods (Mexico City, Mexico, 2019)
   - Workshop on Electrical Resistivity Imaging (Mexico City, Mexico, 2018)
   - Seminario de Imágenes de Resistividad (Austin, Texas 2009 to 2012)
   - Workshop on Electrical Resistivity Imaging (Austin, Texas, 2009-2012)
   - Workshop on Electrical Resistivity Imaging (Denver, Colorado, USA, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Lima, Perú, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Sonora, México, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Ciudad de México, México, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (San Luis Potosí, México, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Tamaulipas, México, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Nuevo León, México, 2017)
   - Taller de Imágenes de Resistividad Eléctrica (Jalisco, México, 2017)

5. Other Works not in Print:
   a. Works "submitted" or "under review"
      Hinojosa-Prieto HR. *In Review in Annals of Geophysics*. Estimation of the source parameters of a postulated ca. 1190 BCE morphogenic Greek earthquake and its local site effects at the Mycenaean citadels of Tiryns and Midea.
      Hinojosa-Prieto HR, Soupios PM, Hinzen K-G, Barsukov PO. *In Review in Geophysical Prospecting*. Subsurface Geological Characterization of the Late Neogene–Quaternary Argive Basin, Peloponnese, Greece using Drill-holes and Transient Electromagnetic data

   b. Works "in progress"
   c. **Hinojosa-Prieto HR**, Vidal-Solano JR and Hinojosa-García HJ. *Manuscript in preparation*. Geochemical and Petrographic Characterization of the Selene perlite deposit, northwestern Sierra Madre Occidental, Sonora, Mexico.

d. Other works not in print

C. Grants and Contracts

1. Funded External Grants and Contracts:

- 2007, International Graduate Student Fellowship CONACYT

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

- 2016, Universität zu Köln, Graduate School of Geosciences Fellowship Grant
- 2005, Ohio University, Geological Sciences Alumni Grant
- 2003, University of Arizona, Western Alliance to Expand Student Opportunities Grant

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

- 2009, Miami University Graduate Students Achievement Fund
- 2008, Hispanic Scholarship Fund Award
- 2006, Men's Water Polo Team of the Year Award
- 2006, Ohio University, Dept. of Geological Sciences Outstanding Graduate Student Award
- 2005, Ohio University, Graduate Student Senate Grant for Original Work Award
- 2005, Ohio University, Council of Research, Scholarship & Creative Activity Undergraduate, Graduate & Medical Student Enhancement Award
- 2005, Hispanic Scholarship Fund Award
- 2005, Water Polo Ohio Regional Championship (3rd place)
- 2004, Water Polo Ohio Regional Championship (2nd place)
- 2004, 13th Year Annual "La Cosecha" Award, Arizona Western College
- 2002, The University of Arizona Department of Geosciences, 31st GEODAZE Annual Symposium: Best Undergraduate Talk
- 2001, Hispanic Scholarship Fund & Society of Hispanic Professionals in Engineering Award
- 1994, Water Polo Mexican National Championship (3rd place)

IV. SERVICE

A. Institutional

1. University:

2. College:

3. Department/School:

B. Professional:

C. Community:

D. Service Honors and Awards:

E. Service Grants and Contracts

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

Updated 6/2012