

**ANDREW V. NEWMAN**  
**Professor**  
**School of Earth and Atmospheric Sciences**  
**Georgia Institute of Technology**

**I. Earned Degrees**

1. Ph.D. Geological Sciences (advisor: S. Stein), Northwestern University, 2000
2. M.S. Geological Sciences (advisor: S. Stein), Northwestern University, 1997
3. B.S. Geophysics (minor: Civil Eng.), Texas Tech University, 1995

**II. Employment History**

1. Full Professor, School of Earth and Atmospheric Sciences, Georgia Tech, 2017-present
2. Associate Professor, School of Earth and Atmospheric Sciences, Georgia Tech, 2011-present
3. Assistant Professor, School of Earth and Atmospheric Sciences, Georgia Tech, 2005-2011
4. Director's Postdoc. Fellow, Los Alamos National Laboratory (mentor: C. Lewis), 2002-2005
5. Instructor, Department of Earth Sciences, University of California Santa Cruz, 2002
6. Postdoc. Researcher, Earth Sciences, Univ. California Santa Cruz (advisor: S. Schwartz), 2000-2002
7. Seismology Intern, Impact Forecasting/Aon Risk Technologies, 1996, 1999
8. Graduate Research and Teaching Assistant, Department of Geological Sciences, Northwestern University, 1995-2000
9. Seismology Field Intern, IRIS/PASSCAL Seismological Instrument Center. 1997
10. Undergraduate Research Assistant, Department of Geology, Texas Tech University, 1994-1995

**III. Honors and Awards**

1. Cullen-Peck Fellow, College of Sciences, Georgia Institute of Technology, 2016
2. Distinguished Alumni Award, Department of Earth and Planetary Sciences, Northwestern University, 2016
3. Judith Curry Award, for leadership in Service and Public Good in Science, Georgia Tech, School of Earth and Atmospheric Sciences, 2015
4. Geophysical Research Letters Research Highlight (and Cover), 2012
5. Thank a Teacher Award, in appreciation of teaching style and dedication, Georgia Tech, 2012
6. NSF-CAREER Award, 2009-2014
7. Science Magazine recognizes presentation as an AGU Highlight, 2008
8. Kavli Frontiers of Science Fellow, National Academy of Sciences, 2006
9. IGPP Young Fellow Award, for excellence in advancing our understanding of volcano and earthquake processes through geodesy and seismology, 2004
10. Director's Postdoctoral Fellow, Los Alamos National Laboratory, 2002-2004
11. Horace A. Scott Award for Outstanding Graduate Research and Potential, Northwestern University, 1999-2000
12. University Fellow, Northwestern University, 1997
13. Undergraduate Scholarship in Geology, Texas Tech University, 1993-1994

**IV. Research, Scholarship, and Creative Activities**

- **Boldface** name indicates Georgia Tech student or postdoc authorship at time work was performed
- An asterisk (\*) before 1<sup>st</sup> author indicates work done at Georgia Tech
- Google Scholar Profile: <https://scholar.google.com/citations?user=eMQNYW8AAAAJ&hl=en>

**A. Published Books, Book Chapters, and Edited Volumes**

**A1. Edited Volumes**

1. Guest Editor for Journal of Volcanology and Geothermal Research, special issue, "The Changing Shape of Active Volcanoes: Recent Advances in Volcano Geodesy", 2006.

**B. Refereed Publications and Submitted Articles****B1. Published and Accepted Journal Articles**

1. Yang, H., S. Yao, B. He, A. V. Newman, H. Weng, Deriving rupture scenarios from interseismic locking distributions along the subduction megathrust, *J. Geophys. Res.*, doi:10.1029/2019JB017541 [in press], 2019.
2. \***Hobbs, T. E.**, A. V. Newman, M. Protti, Enigmatic Upper-Plate Sliver Transport Paused by Megathrust Earthquake and Afterslip, *Earth. Planet. Sci. Lett.*, 520, 87-93, doi:10.1016/j.epsl.2019.05.016, 2019.
3. Yang, H., B. He, S. Yao, A. V. Newman, Earthquake rupture dependence on hypocentral location along the subduction megathrust, *Earth. Planet. Sci. Lett.*, 520, 10-17, doi:10.1016/j.epsl.2019.05.030, 2019.
4. \***Williamson, A. L.**, A. V. Newman, Limitations of the resolvability of finite-fault models using static land-based geodesy and open-ocean tsunami waveforms, *J. Geophys. Res. Solid Earth*, 123 doi:10.1029/2018JB016091, 2018.
5. \***Williamson, A. L.**, A. V. Newman, Suitability of open-ocean instrumentation for use in near-field tsunami early warning along seismically active subduction zones, *Pure. Appl. Geophys.* 1-16, doi:10.1007/s00024-018-1898-6, 2018.
6. \***Hobbs, T. L.**, C. Kyriakopoulos, A. V. Newman, M. Protti, D. Yao, Large and primarily updip afterslip following the 2012 Mw 7.6 Nicoya, Costa Rica earthquake, *J. Geophys. Res. Solid Earth*, 122, doi:10.1002/2017JB014035, 2017.
7. \***Williamson, A. L.**, A. V. Newman, and P. R. Cummins, Reconstruction of coseismic slip following the 2015 Illapel earthquake using combined geodetic and tsunami waveform data, *J. Geophys. Res. Solid Earth*, 122, JGRB51991, doi: 10.1002/2016JB013883, 2017.
8. \***Yao, D.**, J. I. Walter, X. Meng, T. E. Hobbs, Z. Peng, A. V. Newman, S. Y. Schwartz, and M. Protti, Detailed Spatio-Temporal Evolution of Microseismicity and Repeating Earthquakes following the 2012 Mw7.6 Nicoya Earthquake, *J. Geophys. Res. Solid Earth*, 122, JGRB51933, doi:10.1002/2016JB013632, 2017.
9. \***Kyriakopoulos, C.**, and A. V. Newman, Structural Asperity focusing locking and earthquake slip along the Nicoya megathrust, Costa Rica., *J. Geophys. Res. Solid Earth*, 121, doi:10.1002/2016JB012886, 2016.
10. \***Walter, J. I.**, **X. Meng**, Z. Peng, S. Y. Schwartz, A. V. Newman, J. M. Protti, Far-field triggering of foreshocks near the nucleation zone of the 5 September 2012 ( $M_w$  7.6) Nicoya Peninsula, Costa Rica earthquake, *Earth and Planetary Sci. Lett.*, 431, 75-86, doi:10.1016/j.epsl.2015.09.017, 2015.
11. \***Kyriakopoulos, C.**, A.V. Newman, **A.M. Thomas**, M. Moore-Driskell, and **G.T. Farmer**, A new seismically constrained subduction interface model for Central America, *J. Geophys. Res.*, 120, 10.1002/2014JB011859, 2015.
12. \***Malservisi, R.**, S. Y. Schwartz, N. Voss, V. Gonzalez, T. H. Dixon, Y. Jiang, A. V. Newman, J. Richardson, **J. I. Walter**, D. Voyenko, Multiscale Postseismic Behavior on a Megathrust: The 2012 Nicoya Earthquake, Costa Rica, *Geochem. Geophys. Geosystems*, 6, 1-17, doi:10.1002/2015GC005794, 2015.
13. \***Lifton, Z. M.**, K. L. Frankel, and A. V. Newman, Latest Pleistocene and Holocene extension rates on the Lone Mountain Fault: evidence for accelerating slip in the Silver Peak-Lone Mountain extensional complex, *Tectonics*, 34, 449–463, doi:10.1002/2013TC003512, 2015.
14. \***Saltogianni, V.**, S. C. Stiros, A. V. Newman, **K. Flanagan**, F. Moschas, Time-space modeling of the dynamics of the Santorini volcano (Greece) during the 2011-2012 unrest, *J. Geophys. Res.*, 119, 1-21, doi:10.1002/2014JB011409, 2014.
15. \***Borrero, J. C.**, N. Kalligeris, P. J. Lynett, H. M. Fritz, A. V. Newman, **J. A. Convers**, Observations and Modeling of the August 27, 2012 Earthquake and Tsunami affecting El Salvador and Nicaragua, *Pure Appl. Geophys.* 171 (12), 3421-3435, doi:10.1007/s00024-014-0782-2, 2014.
16. \***Wei, Y. V. V.**, Titov, A. V. Newman, G. P. Hayes, L. Tang, Tsunami Forecast by Joint Inversion of Real-Time Tsunami Waveforms and Seismic or GPS Data: Application to the Tohoku 2011 Tsunami, *Pure. Appl. Geophys.* 171 (12), 3281-3305, doi:10.1007/s00024-014-0777-z, 2014.
17. \***Galgana, G. A.**, A. V. Newman, M. W. Hamburger, R. Solidum, E. Corpuz, Geodetic Observations and Modeling of Time-varying Deformation at Taal Volcano, Philippines, *Geophys. Journ. Int.* 271, 11-23, doi:10.1016/j.jvolgeores.2013.11.005, 2014.

18. \*Protti, M., V. Gonzalez, A. V. Newman, T. H. Dixon, S. Y. Schwartz, J. S. Marshall, L. Feng, **J. I. Walter**, R. Malservisi, S. E. Owen, Nicoya Earthquake Rupture Anticipated by Geodetic Measurement of the Locked Plate Interface, *Nature Geoscience* 7(2), 117-121,10.1038/ngeo2038, 2014.
19. \***Convers, J. A.**, and A. V. Newman, Rapid Earthquake Rupture Duration Estimates From Teleseismic Energy Rates, with Application to Real-Time Warning, *Geoph. Res. Lett.*, 40, 1-5, doi:10.1002/2013GL057664, 2013.
20. \*Yue, H. T. Lay, S. Y. Schwartz, L. Rivera, M. Protti, T. H. Dixon, S. Owen, and A. V. Newman. The 5 September 2012 Nicoya, Costa Rica Mw 7.6 earthquake rupture process from joint inversion of high-rate GPS, strong-motion, and teleseismic P wave data and its relationship to adjacent plate boundary interface properties. *J. Geoph. Res.* 118, 5453-5466, doi:10.1002/jgrb.50379, 2013.
21. \***Lifton, Z. M.**, A. V. Newman, K. L. Frankel, **C. W. Johnson**, T.H. Dixon, Insights Into Distributed Plate Rates Across the Walker Lane from GPS Geodesy *Geoph. Res. Lett* 40(17), 4620-4624, doi:10.1002/grl.50804, 2013.
22. \*Stiros, S., F. Moschas, L. Feng, and A. V. Newman, Long-term versus short-term deformation in the meizoseismal area of the 2008 Achaia-Elia ( $M_w$  6.4) earthquake in NW Peloponnese, Greece: Evidence from historical triangulation and morphotectonic data. *Tectonophysics*, 592, 150-158, doi:10.1016/j.tecto.2013.02.016, 2013.
23. \*Dixon, T. H., S. Y. Schwartz, J. M. Protti, V. Gonzalez, A. V. Newman, J. Marshall, and J. Spotila. Detailed Data Available for Recent Costa Rica Earthquake, *EOS Trans. Amer. Geoph. Union.*, 94(2), 17-18, doi:10.1002/2013EO02, 2013.
24. \***Feng, L.**, A. V. Newman, M. Protti, V. González, Y. Jiang, T. H. Dixon, Active deformation near the Nicoya Peninsula, northwestern Costa Rica, between 1996 and 2010: Interseismic megathrust coupling, *J. Geophys. Res.*, 117, B06407, doi:10.1029/2012JB009230, 2012.
25. \*Newman, A. V., S. Stiros, L. Feng, P. Psimoulis, F. Moschas, V. Saltogianni, Y. Jiang, C. Papazachos, D. Panagiotopoulos, E. Karagianni, D. Vamvakaris, Recent Geodetic Unrest at Santorini Caldera, Greece, *Geophys. Res. Lett.* 39, L06309, doi:10.1029/2012GL051286, 2012.
26. \*Newman, A. V. (2011), Hidden Depths (a comment on the need for improved sea floor geodetic instrumentation), *Nature* 474, 441-443, doi:10.1038/474441a, [not peer reviewed], 2011.
27. \***Convers, J. A.**, A. V. Newman, Global Evaluation of Earthquake Energy from 1997 Through mid-2010, *J. Geophys. Res.* 116, B08304, doi:10.1029/2010JB007928, 2011.
28. \*Newman, A. V., **L. Feng**, H. M. Fritz, **Z. M. Lifton**, N. Kalligeris, The Tsunamigenic 2010  $M_w$  7.1 Solomon Islands Earthquakes: A High-Angle Intraslab Thrust, *Geoph. Journ. Int.* 186 (2), 775–781, doi:10.1111/j.1365-246X.2011.05057.x, 2011.
29. \*Stankova-Pursley, J., S. L. Bilek, W. S. Phillips, and A. V. Newman, Along-strike variations of earthquake apparent stress at the Nicoya Peninsula, Costa Rica, subduction zone *Geochem. Geophys. Geosys.*, 12, Q08002, doi:10.1029/2011GC003558, 2011.
30. \*Newman, A. V., G. Hayes, Y. Wei, **J. A. Convers**, The 25 October 2010 Mentawai Tsunami Earthquake, from real-time discriminants, finite-fault rupture, and tsunami excitation, *Geophys. Res. Lett.*, 38, L05302, doi:10.1029/2010GL046498, 2011.
31. \***Feng, L.**, A. V. Newman, **G. T. Farmer**, P. Psimoulis, S. C. Stiros, Energetic Rupture, Coseismic and Postseismic Response of the 2008  $M_w$  6.4 Achaia-Elia Earthquake in Northwestern Peloponnese, Greece: An indicator of an immature transform fault zone, *Geophys. Journ. Int.* 183, doi: 10.1111/j.1365-246X.2010.04747.x, 103-110, 2010.
32. \***Chen, T.**, A. V. Newman, **L. Feng**, H. M. Fritz, Slip Distribution from the 1 April 2007 Solomon Islands Earthquake: A Unique Image of Near-Trench Rupture, *Geophys. Res. Lett.*, 36, L16307, doi:10.1029/2009GL039496, 2009.
33. \***Feng, L.**, A. V. Newman, Constraints on continued episodic inflation at Long Valley Caldera, based on seismic and geodetic observations, *J. Geophys. Res.*, 114 (B06403), doi:10.1029/2008JB006240, 2009.
34. \*Chen, P., A. V. Newman, T. Wu, C. Lin, Earthquake Probabilities and Energy Characteristics of Seismicity Offshore Southwest Taiwan, *Terr. Atmos. Ocean. Sci.* Vol. 19, No. 6, 697-703, doi: 10.3319/TAO.2008.19.6.697, 2008.
35. \***Ghosh, A.**, A. V. Newman, **A.M. Thomas**, **G. T. Farmer**, Interface Locking along the Subduction Megathrust from Microseismicity near Nicoya, Costa Rica, *Geoph. Res. Lett.*, 35 (L01301), doi: 10.1029/2007GL031617, 2008.

36. \*Newman, A., Earthquake Risk from Strain Rates on Slipping Faults, *EOS, Trans. Am. Geoph. Union*, 88 5, 60, 2007.
37. \*Newman, A. V., T. H. Dixon, N. Gournelen, A Four-Dimensional Viscoelastic Model for Deformation of the Long Valley Caldera, California, Between 1995 and 2000, *Journ. Volc. Geoth. Res.*, 150 (1-3), doi:10.1016/j.jvolgeores.2005.07.017, 244 - 269, 2006.
38. \*Poland, M., M. Hamburger, A. Newman, The Changing Shapes of Active Volcanoes: History, Evolution, and Future Changes for Volcano Geodesy, *Journ. Volc. Geoth. Res.*, 150 (1-3), doi:10.1016/j.jvolgeores.2005.11.005, 1 - 13, 2006.
39. \*DeShon, H. R., S. Y. Schwartz, L. M. Dorman, A. V. Newman, V. Gonzalaz, M. Protti, T. Dixon, E. Norabuena, E. Flüh, Seismogenic Zone Structure along the Middle America Trench, Nicoya Peninsula, Costa Rica, from 3D local earthquake tomography using P- and S-wave data, *Geoph. Journ. Int.*, 164 (1), 109-124, 2006.
40. Calais, E., G. Mattioli, C. DeMets, J.-M. Nocquet, S. Stein, A. V. Newman, P. Rydelek, Tectonic strain in plate interiors?, *Nature*, 438, doi: 10.1038/nature04428, 2005.
41. Stein, S. A., A. Friedmann, A. V. Newman, Dependence of Possible Characteristic Earthquakes on Spatial Sampling of Seismicity and Paleoseismic Estimates: Illustration for the Wasatch Seismic Zone, *Seism. Res. Lett.* 76 (4), 2005.
42. Newman, A. V., NBC's "10.5" may answer an age-old seismologic question, *Trans. Am. Geoph. Union (EOS)* 85, (17), 172-173 2004.
43. Norabuena, E., T. H. Dixon, S. Y. Schwartz, H. R. DeShon, A. V. Newman, M. Protti, V. Gonzalez, L. M. Dorman, E. Flueh, P. Lundgren, F. Pollitz, D. Sampson, Geodetic and Seismic Constraints on some Seismogenic Zone Processes in Costa Rica, *J. Geophys. Res.* 109 (B11403), doi:10.1029/2003JB002931, 2004.
44. Stein, S., A. Newman, Characteristic, Uncharacteristic, and Absent Earthquakes as Possible Artifacts of Short Earthquake Histories, *Seismo. Res. Lett.*, 75, 2, 173-187, 2004.
45. Stein, S., J. Thomasello, A. V. Newman, Reply to: Frankel, A.D., and Hough, S.E., Should Memphis Build for California's Earthquakes? *Trans. Am. Geophys. Union (EOS)*, 84 (29), 273, 2003.
46. Stein, S., J. Thomasello, A. V. Newman, Should Memphis Build for California's Earthquakes?, *Trans. Am. Geophys. Union (EOS)*, 84 (19), 17, 2003.
47. Newman, A. V., S. Y. Schwartz, V. Gonzalez, H. R. DeShon, J. M. Protti, L. Dorman, Along-strike Variability in the Seismogenic Zone Below Nicoya Peninsula, Costa Rica, *Geoph. Res. Lett.*, 29 (20), 38:1-4, doi:10.1029/2002GL015409, 2002
48. Newman, A. V., J. Schneider, S. Stein, A. Mendez, Uncertainties in Seismic Hazard Maps for the New Madrid Seismic Zone, *Seismol. Res. Lett.*, 72 (6), 653-667, 2001.
49. Okal, E. A., A. V. Newman, Tsunami Earthquakes: The Quest for a Regional Signal, *Phys. Earth and Planet. Int.*, 124, 45-70, 2001.
50. Newman, A. V., T. H. Dixon, G. Ofoegbu, J. E. Dixon, Geodetic and Seismic Constraints on Recent Activity at Long Valley Caldera, California: Evidence for Viscoelastic Rheology, *Jour. Volc. Geoth. Res.*, 105 (3), 183-206, 2001.
51. Newman, A. V., S. Stein, J. C. Weber, J. F. Engeln, A. Mao, T. H. Dixon, Reply to: Zoback, M. D., Seismic hazard at the New Madrid seismic zone, *Science*, 285, 30 July, 1999.
52. Newman, A. V., S. Stein, J. C. Weber, J. F. Engeln, A. Mao, T. H. Dixon, Reply: New Results Justify Open Discussion of Alternative Model, *Trans. Am. Geophys. Union (EOS)*, 80 (17), April 27, 1999.
53. Newman, A. V., S. Stein, J. C. Weber, J. F. Engeln, A. Mao, T. H. Dixon, Slow Deformation and Implied Long Earthquake Recurrence Intervals from GPS Surveys Across the New Madrid Seismic Zone, *Science*, 284, 619-621, April 23, 1999.
54. Newman, A. V., E. A. Okal, Teleseismic Estimates of Radiated Seismic Energy: The  $E/M_0$  Discriminant for Tsunami Earthquakes, *J. Geophys. Res.*, 103 (11), 26,885-26,898, 1998.

## B2. Conference Presentations with Proceedings (Refereed)

1. Feng, L., A. V. Newman, A. V., Z. M. Lifton, H. Fritz, & N. Kalligeris. Geodetic Constraints of the Anomalously Tsunamigenic 2010 MW 7. 1 Solomon Islands Earthquake. In *Proceedings from the 2010*

*AGU Western Pacific Geophysics Meeting*. American Geophysical Union, 2000 Florida Ave., N. W. Washington DC 20009 USA, 2010.

### **B3. Other refereed material (no data)**

### **B4. Submitted Journal Articles**

1. \***Lifton, Z. M.**, J. Lee, K. L. Frankel, A. V. Newman, J. M. Schroeder, Quaternary Slip Rates on the White Mountains Fault Zone, Eastern California: Implications for comparing geologic to geodetic slip rates across the Walker Lane, *Bull. Geological Soc. Amer.* [Originally submitted in March 2016, Revised Jan 2019; Last revision submitted Jan 2020].

### **C. Other Publications and Creative Products**

1. Freymueller, J., R. Bendick, A. Borsa, A. V. Newman, “*Measuring the Restless Earth: Grand Challenges in Geodesy*”, NSF-Sponsored Workshop, Michigan State University, 2019.
2. GTEWS Working Group, “*Global Navigational Satellite Systems to Enhance Tsunami Early Warning Systems*”, Ed. J. LaBrecque, J. Rundle, G. Bawden, Report to the IUGG, and the UN Global Assessment Report on Disaster Risk Reduction, 2019.
3. Diffenbaugh, N., L. Beal, M. B. Cardenas, K. Cobb, M. Cronin, A. Dombard, T. Ilyina, B. Lavraud, A. V. Newman, W. K. Peterson, J. Ritsema, J. Stroeve, J. A. Thornton, and P. D. Williams, *New Geophysical Research Letters* editorial, revisions policies, *Eos*, 97, doi:10.1029/2016EO056437, 2016.
4. \***Meng, X.**, and A. V. Newman, “*Preliminary Results of Wind Farm noise on Transportable Array Seismic Stations*”, prepared for the Global Seismic Network Standing Committee, October 6, 2014.
5. \*Newman, A. V., Segall, P., Owen, S., “*Geodesy Grand Challenges: What are the Mechanics of Volcanic and Magmatic Systems*”, a document to the Global Geodesy Community focusing the main scientific challenges approachable in the field, 2012.
6. \*Miller, M., A. V. Newman, “*Geodesy Grand Challenges: Natural Hazard Early Warning Systems*”, a document to the Global Geodesy Community focusing the main scientific challenges approachable in the field, 2012.
7. Newman, A. V., “*Geodetic and Seismic Studies of the New Madrid Seismic Zone and Implications for Earthquake Recurrence and Seismic Hazard*”, Ph.D. Thesis for Northwestern University, 2000.

### **D. Presentations**

#### **D1. Invited**

1. Newman, A. V., Finding Faults with Tsunamis: New tools for understanding and rapid warning of tsunami-generating earthquakes, Dahlongega Science Festival, Dahlongega, GA, March 7, 2020.
2. Newman, A. V., T. E. Hobbs, C. Kyriakopoulos, M. Protti, T. Dixon, S. Schwartz, Translating megathrust behavior into the Nicoya Crust, revealing a dynamic dance across the seismic cycle, Seismological Society of America, Seattle, WA, April 2019.
3. Hobbs, T.E., Newman, A.V., Protti, M. Episodic forearc sliver translation during relocking of the Nicoya, Costa Rica megathrust: an unexpected observation. Joint Meeting of the Latin American and Caribbean Seismological Commission and the Seismological Society of America, Miami, FL, USA, May 2018.
4. Newman, A. V., Slip, Sliding Away: Unlocking Controls on Earthquake Behavior along the Subduction Megathrust, Earth System Sciences Programme, The Chinese University of Hong Kong, February 2017.
5. Newman, A. V., On scientific writing and publication: A dialogue with an GRL editor, The Chinese University of Hong Kong, February 2017.
6. Newman, A. V., The Role of the Near-Trench Environment to Tsunami Generation in Megathrust Earthquakes, Lead-off Keynote speaker at the International Workshop on Accretion and Subduction of the Oceanic Lithosphere, from Ridge to Trench, Hong Kong, February 5-7, 2017.
7. Newman, A. V., Slip, Sliding Away: Unlocking Controls on Earthquake Behavior along the Subduction Megathrust, Department of Earth, Environmental, and Planetary Science, Brown University, January 2017.

8. Newman, A. V., Slip, Sliding Away: Unlocking Controls on Earthquake Behavior along the Subduction Megathrust, Earth Observatory of Singapore, Nanyang Technical University, July 2016.
9. Newman, A. V., Slip, Sliding Away: Unlocking Controls on Earthquake Behavior along the Subduction Megathrust, Northwestern University, April 2016.
10. Newman, A. V., C. Kyriakopoulos, L. Feng, T. Hobbs, T.H. Dixon, R. Malservisi, J.M. Protti, The Continuum of Slip along the Subduction Megathrust: Observations and Understanding Gained from the Nicoya Seismic Cycle Observatory, presented at the Seismological Society of America Meeting, April 2015.
11. Newman, A. V., J. M. Protti, C. Kyriakopoulos, L. Feng, T. H. Dixon, R. Malservisi, J. Walter, Z. Peng, S. Y. Schwartz, J. Marshall, Completing the Cycle? Near-field Observations of Interseismic Coupling, Megathrust Rupture, Postseismic Response, and Recovery of Interface Coupling along the Nicoya Peninsula of Costa Rica, presented at Geological Society of America, Oct. 2014.
12. Feng, L., A. V. Newman, M. Protti, V. Gonzalez, T. H. Dixon, Anticipating and Capturing the 2012  $M_W$  7.6 Nicoya Earthquake in Costa Rica Using Near-field GPS measurements: Are we Closer to Forecasting Earthquakes?, presented at GENAH2014, Matsushima, Japan, July 2014.
13. Newman, A. V. "To Catch an Earthquake: Geophysical Analyses that Identify the Coupling Behavior before Large Earthquakes", presented at the University of Pittsburgh, January, 2014.
14. Newman, A. V., J. M. Protti, V. M. Gonzalez, T. H. Dixon, S. Y. Schwartz, L. Feng, Z. Peng, J. Marshall, R. Malservisi, S. E. Owen, Success! Detailed Pre-event Analysis Identified the Slip Area and Magnitude of the Sept. 2012  $M_W$  7.6 Nicoya Earthquake, Abstract presented at the 2013 AGU Meeting of the Americas, Cancun, Mexico, 14-17 May 2013.
15. Convers, J. A., and A. V. Newman, Radiated Earthquake Energy and Rupture Duration as an IRIS Data Product, Abstract presented at the 2013 Seismological Society of America Annual Meeting, Salt Lake City, Utah, 17-19 April 2013.
16. Newman, A.V., "The Role of Shallow-locking Along the Subduction Megathrust in Large Earthquakes and Tsunami Generation", at the University of Georgia, Sept. 2012 (cancelled due to family reasons).
17. Newman, A. V., "The Need for Underwater Geodetic Observations", at the Seafloor Geodesy in Cascadia Workshop, Seattle, Washington, June 11-12, 2012.
18. Newman, A. V., "Tilt Measurements on the Seafloor", at the Seafloor Geodesy in Cascadia Workshop, Seattle, Washington, June 11-12, 2012.
19. Newman, A. V., "The State of Locking in and Around the Nicoya Peninsula of Costa Rica", at the University of Washington, April 2012.
20. Newman, A. V., "The Role and Observations of Shallow-Locking Along the Subduction Megathrust", at the University of Washington, April 2012.
21. Newman, A.V., "The Role and Observations of Shallow-Locking Along the Subduction Megathrust", at the Istituto Nazionale di Geofisica e Vulcanologia – Rome, Italy, March 2012.
22. Newman, A. V., "Renewed Unrest at Santorini Volcano, Greece", UNAVCO Science Meeting, February 2012.
23. Newman, A.V., "Seismic Risk and Preparedness in the Southeastern US", to the Georgia Power Community and Economic Development Division, November 2011.
24. Newman, A. V., "The State of Locking in and around the Nicoya Peninsula of Costa Rica", at the Joint ICTP/TWAS Workshop on Seismic Sources in Central America", Oct/Nov. 2011.
25. Newman, A. V., "The character of tsunamigenesis in subduction zone earthquakes, with application to real-time seismic and geodetic warning", at the Joint ICTP/TWAS Workshop on Seismic Sources in Central America", Oct/Nov. 2011.
26. Newman, A. V., "Earthquake Activity and Preparedness in the Southeastern US", for the Safety in our Schools: Education, Prevention Management Conference in Columbus, GA, June 2011.
27. Newman, A. V., "Seismology for EarthScope: A Primer", for the US-NSF EarthScope/US Array siting workshop, Purdue University, May 2011.
28. Newman, A. V., "The case for seafloor geodesy: A necessary tool for understanding giant earthquakes, sub-aqueous volcanism, and their tsunamis", at The University of Patras, Greece, June 2011.
29. Newman, A. V., "Methods for estimating Earthquake Energy and Duration", at the Puerto Rico Seismic Network Short Course, for Caribbean Seismic Network Operators, July 2011.

30. Newman, A. V., “On the tsunami potential of subduction zone earthquakes”, at the University of Puerto Rico – Mayagüez, Geology Symposium, May 2011.
31. Newman, A. V., “Understanding the Energetic Controls of Earthquake-induced Tsunamis”, at Northwestern University, Nov. 2010.
32. Newman, A. V., “Crustal Dynamics of the Continental Interior”, at the National Science Foundation, *EarthScope in the Mid-Continent* workshop, April. 2010.
33. Newman, A. V., “Keynote: Seismic Observations and Potential of Costa Rican Subduction Processes”, at the National Science Foundation, *The Next Decade of SEIZE*, Sept. 2008.
34. Newman, A. V., Keynote: “The state of strain in the Eastern US: can we see it?”, for the *Central and Eastern United States (CEUS) Seismic Source Characterization (SSC) for Nuclear Facilities Project: Workshop-1*, July, 2008.
35. Newman, A. V., Keynote: “The Current State-of-the-Art of Numerical Modeling of Volcano Deformation”, at the United States Geological Survey, Community Tools for Volcano Geodesy Workshop, May 2008.
36. Newman, A. V., “Seismic Observations and Potential of Costa Rican Subduction Processes”, Woods Hole Oceanographic Institute, March 2008.
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120. Newman, A. V., E. A. Okal, Source Slowness of the February 21, 1996 Chimbote Earthquake Studied from Teleseismic Energy Estimates, *Trans. Amer. Geophys. Un. (EOS)*, 77 (17), S184, Spring 1996.

**E. Other Scholarly and Creative Accomplishments (no data)**

**F. Societal and Policy Impacts**

1. **Santorini GPS Network**, Real-time online processing and visualization of ongoing ground deformation for hazard mitigation and awareness associated with magmatic unrest at Santorini Volcano in Greece, (<http://geophysics.eas.gatech.edu/aneuman/research/Santorini>), 2011 – 2015.
2. **Real-Time Earthquake Energy (RTerg)**, Real-time online processing of global seismic stations for rapid earthquake energy magnitude and duration estimation for tsunami warning and hazard mitigation, (<http://geophysics.eas.gatech.edu/aneuman/research/RTerg/>), 2009 – present. Codes have been implemented into the Pacific Tsunami Warning Center and as an IRIS educational and research data product.

**G. Other Professional Activities**

- |  |              |
|--|--------------|
| 1. Member: American Association for the Advancement of Science | 2007-present |
| 2. Member: American Geophysical Union                          | 1995-present |
| 3. Member: Seismological Society of America                    | 1996-present |
| 4. Member: Geological Society of America                       | 1996-present |
| 5. Member: Union of Concerned Scientists                       | 1998-present |

**V. Teaching**

**A. Courses Taught**

	<b>Semester</b>	<b>Course #</b>	<b>Name</b>	<b># students</b>
1.	Spring, 2020	EAS 2600 Pacific	Earth Processes – Pacific Program (GT)	17
2.	Fall, 2019	EAS 4316/6316	Earthquake Physics (GT)	4
3.	Fall, 2018	EAS 2600 HP	Earth Processes – Majors and HP (GT)	12
4.	Fall, 2018	EAS 3610	Introduction to Geophysics (GT)	6
5.	Spring, 2018	EAS 4312/6312	Geodynamics (GT)	10
6.	Fall, 2017	EAS 2600	Earth Processes – Majors (GT)	9
7.	Fall, 2016	EAS 2600	Earth Processes – Majors (GT)	9
8.	Fall, 2016	EAS 3610/8803	Introduction to Geophysics (GT)	12
9.	Spring, 2016	EAS8803-AVN	Modern Geodetic Methods (GT)	2
10.	Fall, 2015	EAS 3610/8803	Introduction to Geophysics (GT)	8

11.	Fall, 2015	EAS 2600	Earth Processes (GT)	260
12.	Fall, 2014	EAS 4200/6310	Structural Geology (GT)	13
13.	Fall, 2013	EAS 2600	Earth Processes (GT)	186
14.	Fall, 2013	EAS 4312/6312	Geodynamics (GT)	11
15.	Fall, 2012	EAS 3610/8803	Introduction to Geophysics (GT)	19
16.	Spring, 2012	EAS 2600	Earth Processes (GT)	203
17.	Spring, 2012	EAS 8803-AVN	Modern Geodetic Methods (GT)	5
18.	Spring, 2011	EAS 8803-AVN	Earthquake Processes Seminar (GT)	5
19.	Fall, 2010	EAS 4312/6312	Geodynamics (GT)	12
20.	Fall, 2010	EAS 3610/8803	Introduction to Geophysics (GT)	14
21.	Fall, 2009	EAS 3610/8803	Introduction to Geophysics (GT)	15
22.	Spring, 2009	EAS 6312	Geodynamics (GT)	5
23.	Fall, 2008	EAS 4803-AVN	Introduction to Geophysics (GT)	6
24.	Spring, 2008	EAS 4200/6320	Structural Geology (GT)	9
25.	Fall, 2007	EAS 8803-AVN	Earthquake Physics (GT)	8
26.	Spring, 2007	EAS 6312	Geodynamics (GT)	5
27.	Fall, 2006	EAS 8803-AVN	Modern Geodetic Methods (GT)	7
28.	Spring, 2006	EAS 6312	Geodynamics (GT)	8
29.	Fall, 2005	EAS 8001a	Modern Topics in Tectonophysics (GT)	6
30.	Spring, 2002	EART 110c	Global Dynamics (UCSC)	40

## B. Individual Student Guidance

### B1. PhD Students

1. Derrick Murekezi (2019-present); PhD student working on translation of interface locking to upper-plate hazards in various subduction environments.
2. Louisa Barama (2017-present); PhD student working on advancing earthquake energy calculation for near-field and single instrument results for use in real-time at very proximal tsunami-prone environments.
3. Tiegna Hobbs (2014-2019); PhD student working on the recoupling of megathrust environments following large earthquakes.
4. Amy Williamson (2013-2018); Completed PhD: Resolving earthquake source processes from geodetic and tsunamic datasets.
5. Zachary Lifton (2009-2013); Completed PhD: Evaluation modern and neotectonics strain. Currently employed as a Professional Geologist at a Geologic Consulting Firm.
6. Jaime Convers (2006-2013); Completed PhD; Real-time Earthquake Energy Assessment. Currently a Postdoctoral Researcher at the University of Lisbon, Portugal.
7. Lujia Feng (2006-2011); Completed PhD; Deformation of Volcanic and Earthquake Environments. Currently a Research Scientist at the Earth Observatory of Singapore.

### B2. MS Students

1. Yan Luo (2009-2011); Completed MS; Seismicity and deformation in Costa Rica.
2. Chenxiao Du (2008-2011); Completed MS; Match-Filter Earthquake Identification in Costa Rica.
3. Grant Farmer (2006-2008); MS student working on active Deformation of Santorini Volcano (degree never completed).
4. Abhijit Ghosh (2005-2007); Completed MS; Study of seismogenic coupling in Costa Rica. Currently an Associate Professor at U. California Riverside.

### B3. Undergraduate Students

1. Mathew Todaro (2016-2017); Evaluation of the rupture behavior of repeating earthquakes following the 2012 Nicoya, Costa Rica earthquake.
2. Morgan Sage Kemmerlin (2016-2017); Investigation of volcanic flank instability along Arenal Volcano, Costa Rica

3. Christina Leamon (2015-2016); Development of automatic change-detection algorithms for emergent geophysical phenomena.
4. Kelly Flanagan (2013-2015); Evaluation of new analytic tools for assessing Geometric and source complexities controlling volcanic inflation at Santorini Volcano, Greece. Published paper, and is now in the MS program here at Georgia Tech.
5. Abigail Ross (2014-2015); Analysis of microseismicity changes following large earthquakes. . Now in MS program at University of Houston.
6. Kaitlin Gardner (2014-2016); Development of new real-time earthquake energy algorithms for tsunami warning and damage assessment. Currently applying for graduate programs.
7. Zachary Hetherington (2014); Analysis of seismic changes associated with Fault locking and earthquake failure in Central America.
8. Christopher Johnson (2010-2011); Constraining rates and shape of interseismic strain along the Walker Lane, in Nevada and California. Now in PhD program at U. C. Berkeley.
9. Julia Withers (2012); Subduction zone dynamics and structure.
10. Zachary Meeks (2012); Real-time earthquake/tsunami warning. Now a PhD student in Planetary Science working with Sven Simon.
11. Crystal Moon (2009-2010); Complexity of Costa Rican Seismicity.
12. Christine Gammans (2009-2011); Understanding Tectonic Structure and Geophysical Lineaments associated with Southeastern US seismicity; now in graduate school at the University of Utah.
13. Alicia Nobles (2007); Completed BS; Tsunami warning system algorithms; After professional employment, she is now in graduate school at U. Virginia.
14. Alice Koerner (2007); Completed BS; Costa Rica Subduction Tremor; after Graduate School at UC Santa Barbara, is now employed in the oil industry.
15. Grant Farmer (2006-2007); Completed BS; worked on cross-network relocation of seismicity, Now a PhD Graduate student at MIT.
16. Amanda Thomas (2006-07); Completed BS (in CE); Costa Rica interface geometry. Now faculty at the University of Oregon.

#### **B4. Service on thesis or dissertation committees**

1. 2019-2020: PhD Committee for M. Yang, S. Sharan, C. Li
2. 2018-2019: PhD Committee for T. Hobbs, L. Zhu (school of ECE)
3. 2017-2018: PhD Committee for G. Mc Donald, J. Mendez, A. Williamson
4. 2017-2018: MS Committee for J. McAdams
5. 2016-2017: MS Committee for B. He (External Member CHKU)
6. 2015-2016: MS Committee for T. Black
7. 2014-2015: PhD Committee for X. Meng, C. Aiken, M. Benage, and Ö. Karakas
8. 2013-2014: PhD Committee for J. Estep, J. Telling, Z. Lifton, and J. Convers
9. 2011-2012: PhD Committee for K. Chao
10. 2011-2012: MS Committee for C. Hopkins, T. Marsteller, J. Estep, Y. Luo, O. Karakas
11. 2010-2011: PhD Committee for L. Feng
12. 2010-2011: MS Committee for T. Foy, J. Telling
13. 2009-2010: MS Committee for J. Hoefl, M-C. Chen
14. 2009-2010: PhD Committee for M. Fahad (school of CEE), L. Liu, P. Zhao
15. 2007-2008: PhD Committee for K. Lewis
16. 2005-2006: PhD Committee for T. Toteva

#### **B5. Mentorship of postdoctoral fellows or visiting scholars**

1. Christos Kyriakopoulos (2012-2014), Developing 3D geologically and structurally realistic finite-element models of the subduction environment around Nicoya Costa Rica. Work will illuminate the role the incoming plate has on megathrust coupling that leads to large, and potentially tsunamigenic earthquakes.
2. Ting Chen (2007-2009), Developed user-friendly geodetic modeling code with application to the 2007 Solomon Islands Earthquake. (Currently Assoc. Professor at Wuhan University in China).

### C. Other Teaching Activities

1. Acquired DigitalGlobe display for undergraduate classroom and front-office display use. Next step will require finding student resources to develop kiosk in EAS and to help with the development of specific lab modules (6/2018).
2. Offer both in-house and regional presentations to K-12 classes on research, plate tectonics, and Southeastern Earthquake activity (about 4-times per year, individual activity not tracked).
3. Developed Virtual-Reality Sandbox for interactive visualization of topography, geomorphology, and fluid dynamics. Currently used for Atlanta Science Festival, and EAS 2600. We are planning on developing additional; teaching modules and a website. (2015/16).
4. Convers, J.A., A. V. Newman, A. Hutko, Data Products: EQEnergy, Online tools for calculating and visualizing earthquake energy and rupture duration from major events. Product was developed from real-time tools for mitigation, and is housed at the IRIS data center, a consortium for research in Seismology, (<http://ds.iris.edu/ds/products/eqenergy/>) 2014.
5. Newman, A. V., S. Olds, (+others as module develops in time), Exploring plate motion and deformation in California with GPS, an online teaching module for introducing GPS as a tool to observe tectonic motions and earthquake behavior, (<http://www.unavco.org/education/resources/educational-resources/lesson/gps-california-plate-motion/gps-california-plate-motion.html>), 2014.
6. Newman, A. V., Georgia Tech EarthQuake (GTEQ) Network, A network of 16 seismometers across the state, Alabama and Virginia, installed in schools, science centers and museums, for learning about local and global earthquake activity. A website is maintained for observing online data and learning about signals and regional earthquakes (<http://geophysics.eas.gatech.edu/GTEQ/>), 2006-present.
7. Newman, A. V., From Topography to Flexural Rigidity, an online teaching module for introducing the elastic behavior of oceanic plates through data driven discovery and analytic modeling (<http://serc.carleton.edu/margins/minilessonsGTE/32192.html>), 2010.

## VI. Service

### A. Professional Contributions

1. International Development Seismology Committee (IDSC) for IRIS (2019 – 2022)
2. Nomination Committee IRIS (2019 – 2022)
3. Chair for SAGE/GAGE “SIG: Seafloor Geodesy as a Community Resource” (2019)
4. Co-convener SAGE/GAGE Plenary Session: Advances in Geophysics in Extreme Environments
5. Co-organizer of workshop “Re-examining our Grand Challenges in Geodesy” for approx. 50 individuals held in Nov. 2018.
6. GNSS Augmentation to Tsunami Early Warning Systems Working Group—International Association of Geodesy’s Global Geodetic Observing System (2017- present)
7. Editor, *Geophysical Research Letters* (2012-2018; handled >3000 manuscripts to date.)
8. Convener for the International Association of Seismology and Physics of the Earth’s Interior’s Latin American Regional Assembly session on Subduction Zone Science (2016)
9. Organizing Committee for US EarthScope National Meeting (2015)
10. Convener for GSA session “An Updated View on Caribbean Tectonics” (2015)
11. Global Seismographic Network Standing Committee (2012-2014)
12. Convener for AGU session “Science and Societal Lessons from a Decade of Giant Megathrust Earthquakes” (2014)
13. Membership Committee, UNAVCO, Inc. (2005-2014)
14. Member Institution Representative (GT) to WInSAR (2005-present)
15. Member Institution Representative (GT) to UNAVCO, Inc. (2005-present)
16. AGU Natural Hazards Focus Group Advisory Board (2009-2017)
17. Session Chair/Organizer for “Sea Floor Geodesy” at UNAVCO Science meeting (2012)
18. Chair, UNAVCO Education and Outreach Standing Committee (2007-2009, 2011-2012)
19. Served on NSF Proposal Review Panel (2010)
20. Convener for AGU session “Earthquakes at the Edge: Observing and Understanding Transitions of Seismogenic Properties and Processes Along Subduction Zones” (2009)

21. Convener for AGU session “Volcano Geodesy: Monitoring and Modeling” (2009)
22. Chair for UNAVCO Biennial Science meeting “SIG: Getting students excited about Modern Geodesy” (2008)
23. Convener for AGU Union session “Processes Controlling Earthquake Potential of Subduction Zones” (2007)
24. Convener for AGU session “July 17, 2006 Java Tsunami Earthquake” (2006)
25. EarthScope, PBO Site Committee for Volcanoes (2006-2009)
26. Convener for AGU session “Recent Results and Advances in Volcano Geodesy” (2004)
27. Coordinator for IGPP sponsored Los Alamos National Laboratory and U.S. Department of Energy EarthScope Workshop (2004)
28. Convener for AGU session “Changing Shape of Active Volcanoes” (2003)

## B. Public and Community Service

1. (prior activity not tracked) and includes numerous phone and on-camera interviews about my research activities and current events (usually large and catastrophic earthquakes).
2. TV/Radio Interviews:  
2018:
  - WSB TV <https://www.wsbtv.com/news/local/expert-this-was-second-strongest-earthquake-georgians-felt-in-recent-times/887874572>
  - 11Alive TV <https://www.11alive.com/article/news/this-fact-about-georgia-earthquakes-might-surprise-you/429282697>
  - AJC <https://www.ajc.com/news/early-morning-earthquake-shakes-metro-atlanta/qUnMMhruPHd7KBdAIi7EbM/>
  - Tellus Museum Lunch and Learn on Earthquakes in Georgia (2018/12/19): <https://www.youtube.com/watch?v=J7XUaWE26kE>  
2017:
  - Weather Channel: *MegaDisasters*
  - TV WSB Atlanta: <http://www.wsbtv.com/video?videoId=537038892&videoVersion=1.0>
  - Radio NBC News Radio (Georgia New Network)
  - TV WMAZ Macon: <http://www.13wmaaz.com/news/local/could-a-large-scale-earthquake-hit-central-georgia/437638381>
  - TV WXIA Macon: <http://www.11alive.com/mb/news/this-fact-about-georgia-earthquakes-might-surprise-you/429282697>
3. Organized Earth and Atmospheric Science activities for the Atlanta Science Festival, including “Earth in Twilight” an EAS Open House, and “Discover Earth” our booth display at the concluding Expo (2015).

## C. Institute Contributions

1. 2019-2020:
  - Undergraduate Coordinator
  - Reappointment, Promotion and Tenure Committee in EAS
  - Field Safety Committee
  - EAS Strategic Planning Committee
  - Undergraduate Environment Committee (ex-officio)
  - Undergraduate Curriculum Committee (ex-officio)
  - Campus-wide Bicycle Infrastructure Committee
  - Comp. Exam Committee for: Y. L. Chuang
  - Representative, ‘Hiring A Diverse Faculty’
2. 2018-2019:
  - Undergraduate Coordinator
  - Chair, *Solid-Earth and Planetary Science Search Committee* for 3 hires
  - Coordinated new Geophysics and Planetary Strategic plans

- Undergraduate Environment Committee (ex-officio)
  - Undergraduate Curriculum Committee (ex-officio)
  - Campus-wide Bicycle Infrastructure Committee
  - Comp. Exam Committee for: T. Joo, M. Neves, Q. Zhai (Chair), C. Daniels, C. Chivers, L. Barama
3. 2017-2018:
    - Co-Chair, Committee for Undergraduate Recruitment in EAS (CUREAS)
    - Reappointment, Promotion and Tenure Committee in EAS
    - EAS Strategic Planning Committee
    - Comp. Exam Committee for: A. Winner, A. Sessa (Chair)
  4. 2016-2017:
    - Co-Chair, Committee for Undergraduate Recruitment in EAS (CUREAS)
    - Reappointment, Promotion and Tenure Committee in EAS
    - Geophysics Search Committee
    - Com. Exam Committee for: S. Valley, Z. Meeks
  5. 2015-2016:
    - Co-Chair, Committee for Undergraduate Recruitment in EAS (CUREAS)
    - Reappointment, Promotion and Tenure Committee in EAS
    - EAS Strategic Planning Committee
    - Comp. Exam Committee for: T. Hobbs, C. Li, H. Chilton (Chair)
  6. 2014-2015:
    - Chair, Committee for Undergraduate Recruitment in EAS (CUREAS)
    - Reappointment, Promotion and Tenure Committee in EAS
    - EAS Strategic Planning Committee
    - Comp. Exam Committee for: A. Williamson, T. Black, R. Cahalan, H. Karani
  7. 2013-2014:
    - Reappointment, Promotion and Tenure Committee in EAS
    - Social Committee Co-Chair, School of Earth and Atmospheric Sciences
    - Awards Committee Co-Chair, School of Earth and Atmospheric Sciences
    - Comp. Exam Committee for: D. Yao, Z. Li, Y. Su, S. Faroughi, and W. Sun.
  8. 2012-2013:
    - Faculty Search Committee, *Chair for Solid-Earth Candidates*, EAS
    - Social Committee Chair, School of Earth and Atmospheric Sciences
    - Awards Committee, School of Atmospheric Sciences
    - Reappointment, Promotion and Tenure Committee, EAS
    - Comp. Exam Committee for J. Mendez, and S.K. Milway (Chair)
  9. 2011-2012:
    - Georgia Power Chair Search Committee, School of Earth and Atmospheric Sciences
    - Graduate Studies Committee, School of Earth and Atmospheric Sciences
    - Social Committee Chair, School of Earth and Atmospheric Sciences
    - Comp. Exam Committee for O. Karakas, C. Aikens, J. Estep
  10. 2010-2011:
    - Undergraduate Studies Committee, EAS
    - Social Committee, School of Earth and Atmospheric Sciences
    - School Advisory Committee, School of Earth and Atmospheric Sciences
    - Comp. Exam Committee for Y. Luo, X. Meng, Z. Lifton, M. Benage, and J. Telling
  11. 2009-2010:
    - Faculty Search Committee for Solid-Earth Candidates, EAS
    - School Advisory Committee, School of Earth and Atmospheric Sciences
    - Graduate Studies Committee, School of Earth and Atmospheric Sciences
    - Comp. Exam Committee for J. Liu
  12. 2008-2009:
    - School Advisory Committee, School of Earth and Atmospheric Sciences
    - Graduate Studies Committee, School of Earth and Atmospheric Sciences
    - Comp. Exam Committee for J. Belanger

13. 2007-2008:

- School Advisory Committee, School of Earth and Atmospheric Sciences
- Graduate Studies Committee, School of Earth and Atmospheric Sciences
- Comp. Exam Committee for L. Liu, C. Wu, J. Convers, L. Feng, K. Chao, and H. Wu

14. 2006-2007:

- Faculty Search Committee, *Chair*, EAS, Hired K. Frankel
- School Advisory Committee, School of Earth and Atmospheric Sciences
- Graduate Studies Committee, School of Earth and Atmospheric Sciences
- Comp. Exam Committee for Peng Zhao and Vincent Combes

15. 2005-2006:

- Faculty Search Committee, *Chair EAS*, Hired Z. Peng, J. Dufek, and C. Paty
- School Advisory Committee, School of Earth and Atmospheric Sciences
- Comp. Exam Committee for D. Wagenner and Y. Yang