Curriculum Vitae

# Personal Information

## I.A. UID, Name, Contact Information

**Name:** Vedran Lekic (Appointed 2012, Promoted 2018)

**Title:** Associate Professor

**Address:** Department of Geology

 University of Maryland

 College Park, Maryland 20742

 301.405.4086

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## I.B. Academic Appointments at UMD:

2018- Associate Professor, Department of Geology, University of Maryland, College Park

 2012-2018 Assistant Professor, Department of Geology, University of Maryland, College Park.

 2011 Special Member of the Graduate Faculty, Department of Geology, University of Maryland, College Park.

## I.D. Other Employment:

 2010- National Science Foundation Postdoctoral Fellow at the Department of Geological Sciences, Brown University.

 2010 Postdoctoral Fellow at the Berkeley Seismological Laboratory, University of California, Berkeley.

**I.E. Educational Background:**

Ph.D. Earth and Planetary Science, University of California, Berkeley, December 2009.

 A.B. Astronomy & Astrophysics and Earth & Planetary Science, magna cum laude Harvard University, May 2004.

# RESEARCH, Scholarly, & Creative Activities

## II.C. Articles in Refereed Journals

NB: Underlined names represent undergraduate / graduate students and \* denotes postdocs under direct supervision.

1. Gao, C., Cunningham, E. and **V. Lekic** (2018), Spurious Low Velocity Zones in Joint Inversions of Surface Waves and Receiver Functions, *Geophys. J. Int., in review*.
2. Hurford, T.A., Henning, W.G., Maguire, R., **Lekic, V.**, Schmerr, N., Panning, M., Bray, V., Manga, M., Kattenhorn, S.A., Quick, L. C., Rhoden, A.R.Seismicity on Tidally Active Solid-Surface Worlds, *Icarus, in revision.*
3. Burdick\*, S., Waszek, L. and **V. Lekic** (2018), Seismic Tomography of the Uppmost Inner Core, *Earth Planet. Sci. Lett., in revision*.
4. Cunningham, E. and **V. Lekic** (2018), Constraining Crustal Structure in the Presence of Sediment: A Multiple Converted Wave Approach, *Geophys. J. Int., in revision.*
5. Kim, W.-Y., Gold, M., Ramsay, J., Meltzer, A., Wunsch, D., Baxter, S., **Lekic, V.**, Goodling, P., Pearson, K., Wagner, L., Roman, D., Golden, S. and T.L. Pratt (2018), Mw 4.2 Delaware Earthquake of 30 November 2017, *Seismological Research Letters* https://doi.org/10.1785/0220180124*.*
6. Gao, C. and **V. Lekic** (2018), Consequences of parameterization choices in surface wave inversion: Insights from transdimensional Bayesian methods, *Geophys. J. Int., in press.*
7. Irving, J.M.E., Cottaar, S. and **V. Lekic** (2018), Seismically determined elastic parameters for Earth's outer core, *Science Advances,* 4(6), eaar2538*,* <https://doi.org/10.1126/sciadv.aar2538>
8. Goodling, P.J., **Lekic, V.** and K. Prestegaard (2018), Seismic signature of turbulence during the 2017 Oroville Dam spillway erosion crisis, *Earth Surf. Dynam. Discuss.,* <https://doi.org/10.5194/esurf-2017-71>
9. Olugboji\*, T.M., **Lekic, V.** and W.F. McDonough (2017), A statistical assessment of models of the US continental crust using Bayesian inversion of ambient noise surface wave dispersion data, Tectonics, <https://doi.org/10.1002/2017TC004468>
10. **Lekic, V.** and K.M. Fischer (2017), On Interpreting Spatially Stacked Sp Receiver Functions, Geophys. J. Int., <https://doi.org/10.1093/gji/ggx206>
11. Mundl, A., Touboul, M., Jackson, M.G., Day, J.M.D., Kurz, M.D., **Lekic, V.**, Helz, R.T., and R.J. Walker (2017), Tungsten-182 Heterogeneity in Modern Ocean Island Basalts, Science, 356(6333), 66-69, <https://doi.org/10.1126/science.aal4179>
12. Burdick\*, S. and **V. Lekic** (2017), Velocity Variations and Uncertainty from Transdimensional P-wave Tomography of North America, Geophys. J. Int., 209 (2): 1337-1351, <https://doi.org/10.1093/gji/ggx091>
13. Ballmer, M.D., Schumacher, L., **Lekic, V.**, Thomas, C., and G. Ito (2016), Compositional Layering Within the Large Low Shear-Wave Velocity Provinces in the Lower Mantle, *G-cubed,* <http://dx.doi.org:10.1002/2016GC006605>
14. Panning, M.P., Benerdt, W.B., Lognonne, P., Beucler, E., Blanchette-Guertin, J.-F., Christense, U., Dehant, V., Drilleau, M., Gao., C., Garcia, R., Giradini, D., Golombek, M., Gudkova, T., Hempel, S., Kedar, S., Khan, A., Knapmeyer, M., Knapmeyer-Endrun, B., **Lekic, V.**, Minoun, D., Mocquet, A., Pike, W.T., Plesa, A.-C., Rivoldini, A., Schmerr, N., Smrekar, S., Teanby, N.A., Tromp, J., Verhoeven, O., Weber, R., Wieczorek, M., and J. Wookey (2017), Planned Products of the Mars Structure Service for the *InSight* Mission to Mars, *Space Sci. Rev.,* 211(1-4), 611-650*,* <http://dx.doi.org:10.1007/s11214-016-0317-5>
15. Cottaar, S. and **V. Lekic** (2016), Morphology of Seismically Slow Lower Mantle Structures, *Geophysical Journal International,* **207**(2), 1122-1136 [http://dx.doi.org/*10.1093/gji/ggw324*](http://dx.doi.org/10.1093/gji/ggw324)
16. Rudolph, M., **V. Lekic,** and C. Lithgow-Bertelloni (2015), Viscosity jump in the Earth’s mid mantle, *Science,* **360** (6266), 1349-1352, <http://dx.doi.org/10.1126/science.aad1929>
17. Reeves, Z., **V. Lekic,** N. Schmerr, M. Kohler, and D. Weeraratne (2015), Lithospheric structure across the California Continental Borderland from receiver functions, *Geochem. Geophys. Geosyst.,* **16**, <http://dx.doi.org/10.1002/2014GC005617>.
18. Triana, S.A., D.S. Zimmerman, H.-C. Nataf, A. Thorette, **V. Lekic,** and D. Lathrop (2014), Helioseismology in a bottle: Modal acoustic velocimetry, *New J. Phys.* **16,** 113005, <http://dx.doi.org/10.1088/1367-2630/16/11/113005>.
19. Kolb, J. and **V. Lekic** (2014), A Robust Deconvolution Method Based on Transdimensional, Hierarchical, Bayesian Inference, *Geophys. J. Int.,* <http://dx.doi.org/10.1093/gji/ggu079>.
20. Ford, H.A., K.M. Fischer, and **V. Lekic** (2014), Localized shear in the deep lithosphere beneath the San Andreas fault system, *Geology,* **42** (4), 295-298, <http://dx.doi.org/10.1130/G35128.1>
21. Hopper, E., H.A. Ford, K.M. Fischer, **V. Lekic,** and M. J. Fouch (2014), The lithosphere-asthenosphere boundary and the tectonic and magmatic history of the northwestern United States, *Earth Planet. Sci. Lett.,* **69**, 81-89, <http://dx.doi.org/10.1016/j.epsl.2013.12.016>.
22. **Lekic, V.**, and K.M. Fischer (2014), Contrasting lithospheric signatures across the western United States revealed by Sp receiver functions, *Earth Planet. Sci. Lett.* **402**, 90-98, <http://dx.doi.org/10.1016/j.epsl.2013.11.026>.
23. Šrámek, O., W.F. McDonough, E.S., Kite, **V. Lekic,** S.T. Dye, and S. Zhong (2013), Geophsyical and geochemical constraints on geoneutrino fluxes from Earth’s mantle, *Earth Planet Sci. Lett.,* **361***,* 356-366, <http://dx.doi.org/10.1016/j.epsl.2012.11.001>
24. French, S.W., **V. Lekic**, and B. Romanowicz (2013), Waveform tomography reveals channelled flow at the base of the oceanic lithosphere, *Science,* **342**, 227-230, <http://dx.doi.org/10.1126/science.1241514>.
25. **Lekic, V.**, S. Cottaar, A.M. Dziewonski, and B. Romanowicz (2012), Cluster analysis of global lower mantle tomography: A new class of structure and implications for chemical heterogeneity, *Earth Planet. Sci. Lett.,* **357**, 68-77, <http://dx.doi.org:10.1016/j.epsl.2012.09.014>.
26. **Lekic, V.**, K. M. Fischer, and S.W. French (2011), Lithospheric thinning beneath rifted regions of Southern California, *Science,* **334**, 6057*,* 783-787, [http://dx.doi.org/ 10.1126/science.1208898](http://dx.doi.org/%2010.1126/science.1208898).
27. **Lekic, V.** and B. Romanowicz (2011b), Tectonic regionalization without *a priori* information: a cluster analysis of tomography, *Earth Planet Sci. Lett.* **308**, 151-160, <http://dx.doi.org/10.1016/j.epsl.2011.05.050>.
28. **Lekic, V.** and B. Romanowicz (2011a), Inferring upper mantle structure by full waveform tomography using the spectral element method, *Geophys. J. Int.,* <http://dx.doi.org/10.1111/j.1365-246X.2011.04969.x>.
29. Dziewonski, A., **V. Lekic,** and B. Romanowicz (2010), Mantle Anchor Structure: An argument for bottom up tectonics*, Earth Planet. Sci. Lett*. **299**, 69-79, <http://dx.doi.org/10.1016/j.epsl.2010.08.013>.
30. Panning, M., **V. Lekic** and B. Romanowicz (2010), Importance of crustal corrections in the development of a new global model of radial anisotropy, *J. Geophys. Res.* **115**, B12325, <http://dx.doi.org/10.1029/2010JB007520>.
31. **Lekic, V.**, M. Panning, and B. Romanowicz (2010), A simple method for improving crustal corrections in waveform tomography, *Geophys. J. Int.,* **182**(1), 265-278, [http://dx.doi.org/ 10.1111/j.1365-246X.2010.04602.x](http://dx.doi.org/%2010.1111/j.1365-246X.2010.04602.x).
32. **Lekic, V.**, J. Matas, M. Panning, and B. Romanowicz (2010), Reply to “Comment on ‘Measurement and implications of frequency dependence of attenuation’” by I. Morozov, *Earth Planet. Sci. Lett.,* **293**, 216-217, <http://dx.doi.org/10.1016/j.epsl.2010.02.039>.
33. **Lekic, V.**, J. Matas, M. Panning, and B. Romanowicz (2009)**,** Measurement and implications of frequency dependence of attenuation, *Earth Planet. Sci. Lett.,* **282**, 285-293, <http://dx.doi.org/10.1016/j.epsl.2009.03.030>.
34. Cammarano, F., **V. Lekic**, M. Manga, M. Panning, and B. Romaonwicz (2006), Long-period seismology on Europa: 1. Physically consistent interior models, *J. Geophys. Res.,* **111**, E12009, <http://dx.doi.org/10.1029/2006JE002710>.
35. Panning, M., **V. Lekic**, M. Manga, F. Cammarano, and B. Romanowicz (2006), Long-period seismology on Europa: 2. Predicted seismic response, *J. Geophys. Res.,* **111**, E12008, <http://dx.doi.org/10.1029/2006JE002712>.
36. Dunn, R.A., **V. Lekic**, R.S. Detrick, and D.R. Toomey (2005), Three-dimensional seismic structure of the Mid-Atlantic Ridge (35°N): Evidence for focused melt supply and lower crustal dike injection, *J. Geophys. Res.,* **110***,* B09101, <http://dx.doi.org/10.1029/2004JB003473>.

## II.D. Published in Conference Proceedings

1. Dye, S.T., Huang, Y., **Lekic, V.**, McDonough, W.F., and O. Šrámek (2015), Geo-neutrinos and Earth Models, *Physics Procedia,* **61**: 310:318, doi:10.1016/j.phpro.2014.12.050.
2. The Asteroid Probe Experiment (APEX): Seismology at 99942 Apophis (2018), N. C. Schmerr, **V. Lekic**, A. Mautino, J. B. Plescia, M. Paul, D. C. Richardson, H. Yu, J. V. DeMartini, *Lunar and Planetary Science Conference Abstracts.*
3. Tidaly-driven Seismicity: An Application to Europa (2018), T.A. Hurford, W.G. Henning, **V. Lekic**, N. Schmerr, M. P. Panning, S. Kattenhorn, M. Manga, F. Nimmo, L.C. Quick, and A.R. Rhoden, *Lunar and Planetary Science Conference Abstracts.*

## II.E. Conferences, Workshops, and Talks

### II.E.1 Keynotes

2013/6/1 Gordon Research Seminar, Mt. Holyoke, MA. Title: “New mantle structures imaged using full waveform SEM-based tomography”

2013/6/4 Gordon Research Conference, Mt. Holyoke, MA. Title: “A long period view of LLSVPs”

2013/6/19 COMPRES annual meeting, Keynote speaker, Lake Geneva, WI. Title: “Emerging consensus on large scale shear wave speed structure in the mantle”

2014/7/7 Cooperative Institute for Dynamic Earth Research (CIDER), Kavli Institute for Theoretical Physics, University of California, Santa Barbara, CA. ([video](http://online.kitp.ucsb.edu/online/earth14/lekic1)) Title: “Seismology 1: Introduction to body waves, surface waves, seismic sources…”

2015/1/21 CSEDI Science Plan Workshop, University of California, San Deigo, CA. Title: “Seismological constraints on large and meso-scale structure of the lower mantle.”

2015/10/5 Ocean Bottom Seismology Symposium, Vancouver, WA. Title: “Lithospheric structure offshore southern California from receiver functions.”

2016/5/25 NSLS-II User Meeting Workshop, Brookhaven National Laboratory, NY. Title: “Viscosity Jump in the Earth’s Mid Mantle.”

2016/7/5 Cooperative Institute for Dynamic Earth Research (CIDER), Kavli Institute for Theoretical Physics, University of California, Santa Barbara, CA. ([video](http://online.kitp.ucsb.edu/online/earth16/lekic1/)) Title: “Seismology 3: Inverse Theory”

2017/5/18 EarthScope National Meeting, Anchorage, AK. Title: “What have we learned about the North American lithosphere from EarthScope data.”

2018/6/14 IRIS 2018 Workshop, Albuquerque, NM. Title: “A Seismically Sound Foundation: Reference Models and Datasets.”

2018/7/13 Cooperative Institute for Dynamic Earth Research (CIDER), Kavli Institute for Theoretical Physics, University of California, Santa Barbara, CA. ([video](http://online.kitp.ucsb.edu/online/earth18/lekic2/)) Title: “Seismology 3: Inverse Theory” and “Seismology Tutorial 1: Tomography”

### II.E.2 Invited Talks

2011/3/25 Swiss Federal Institute of Technology, Zurich, Switzerland. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California”

2011/4/5 Ecole normale supérieure de Lyon / Université de Lyon, France. Title: “High Resolution Global Tomography of the Upper Mantle”

2011/4/20 Lamont Doherty Earth Observatory (LDEO), Columbia University, NY. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California.”

2011/4/28 The Ohio State University, Columbus, OH. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California.”

2011/9/13 Southern California Earthquake Center Annual Meeting, Palms Springs, CA. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California.”

2011/9/21 EarthScope Institute: The Lithosphere-Asthenosphere Boundary, Portland, OR. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California.”

2011/10/25 Équipe de Sismologie - Institut de Physique du Globe de Paris, France. Title: “Dramatic lithospheric thinning beneath rifted regions of Southern California.”

2012/1/11 Geological Society of Washington, DC. Title: “Imaging the bottom of tectonic plates: Rifting in Southern California.”

2012/4/4 Smithsonian Institution, Washington, DC. Title: “Lithospheric thinning beneath rifted regions of Southern California.”

2012/4/11 Department of Terrestrial Magnetism, Carnegie Institution of Washington, DC. Title: “Lithospheric thinning beneath rifted regions of Southern California.”

2012/4/12 Johns Hopkins University, Baltimore, MD. Title: “Lithospheric thinning beneath rifted regions of Southern California.”

2012/5/18 Seismological Laboratory, California Institute of Technology, CA, Title: “Lithospheric structure beneath Southern California and the Rio Grande Rift.”

2012/7/5 Symposium on the Study of the Earth’s Deep Interior, Leeds, UK. Title: “A re-analysis of lower mantle tomographic models.”

2012/9/20 Potomac Geological Society, Washington, DC. Title: “Imaging the bottom of tectonic plates: Rifting in Southern California.”

2012/11/13 Colloque international en anglais, Collège de France, Paris, France ([video](http://www.college-de-france.fr/site/en-barbara-romanowicz/seminar-2012-11-13-09h40.htm)).Title: “Cluster analysis of global lower mantle tomography: a new class of structure and implications for chemical heterogeneity.”

2013/5/9 CIDER Attenuation Workshop, Lamont-Doherty Earth Observatory, Columbia University, New York, NY. Title: “Constraining thre frequency dependence of attenuation with free oscillations.”

2013/9/20 Department of Geosciences, Princeton University, NJ. Title: “Seismic constraints on the deformation of continental lithosphere”

2013/10/9 Dept. of Earth & Space Sciences, University of California, Los Angeles, CA. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2014/1/13 Geological and Planetary Sciences Division, Caltech, CA. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2014/1/22 Department of Geology and Geophysics, Yale University, New Haven, CT. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2014/3/20 Department of Geology and Environmental Sciences, James Madison University, Harrisonburg, VA. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2014/7/1 Geoneutrino Working Group Meeting at the Kavli Institute for Theoretical Physics, Santa Barbara, CA. Title: “Properties of LLSVPs and ULZVs”

2015/1/22 Department of Geophysics, School of Earth, Energy, and Environmental Sciences, Stanford University, Palo Alto, CA. Title: “Seismic Constraints on Lithospheric Structure and Deformation.”

2015/2/26 Department of Geological Sciences, University of Florida, Gainesville, FL. Title: “Seismic constraints on the structure and deformation of continental lithosphere.”

2015/3/12 Distinguished Lecture Series seminar, Department of Geology and Geophysics, University of Utah, Salt Lake City, UT. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2015/4/9 Montana Bureau of Mines and Geology, Montana Tech, Butte, MT. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2015/4/22 Department of Geology, Wayne State University, Detroit, MI. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2015/6/4 Department of Terrestrial Magnetism, Carnegie Institution for Science, Washington, DC. Title: “Lower Mantle Structure Across Scales”

2015/9/10 Packard Fellows Meeting, Monterey, CA. Title: “Imaging the Earth’s interior with seismic waves”

2015/10/7 Department of Geological Sciences, University of Oregon, Eugene, OR. Title: “Seismic constraints on the structure and deformation of continental lithosphere”

2015/11/6 Department of Geosciences, Virginia Tech, Blacksburg, VA. Title: “Constraining lithospheric structure using seismology.”

2015/11/10 Department of Physics, University of Maryland, College Park, MD. Title: “Imaging the Earth’s interior using seismic waves.”

2016/3/8 Rocky Mountain Science Seminar, USGS, Denver, CO. Title: “Constraining lithospheric structure and deformation beneath the United States.”

2016/5/6 CIDER Community Workshop at Point Reyes, CA. Title: “Inferences and implications of a viscosity increase in the mid mantle."

2016/9/4 Geological Society of Washington. Title: “Peering in the Earth with an EarthScope”

2016/9/27 Geological Society of America Annual Meeting, Title: “EarthScope-Enabled Insights into the North American Crust and Mantle,” paper no. 202-8.

2017/1/25 Department of Physics, Howard University, Title: “Imaging the Earth's deep interior using seismic waves.”

2017/2/17 Department of Earth, Environmental and Planetary Sciences, Case Western Reserve University, Title: “Viscosity and Velocity Structure of the Lower Mantle.”

2017/11/17 Department of Geophysical Sciences, University of Chicago, Title: “From imaging to hypothesis testing: the future of structural seismology.”

2018/3/15 Department of Geological Sciences, Brown University, Title: “From imaging to hypothesis testing: the future of structural seismology.”

2018/5/16 Invited talk at SSA joint meeting in Miami, FL, Title: “The 3-D Reference Earth Model: Status and Preliminary Results”

2018/5/23 Department of Earth and Planetary Sciences, University of California, Davis, Title: “Imaging Tectonic Plates with Surface and Converted Waves”

2018/9/11 Berkeley Seismology Laboratory, University of California, Berkeley, Title: “Imaging Tectonic Plates with Surface and Converted Waves”

# Service

## IV.A. Editorships, Editorial Boards, and Reviewing Activities

 Guest editor for Tectonics special issue on the continental crust (2017)

 Associate Editor for Journal of Geophysical Research – Solid Earth (2019-2021)

### IV.A.3 Reviewing Activities for Journals and Presses

*Science*, *Nature Geoscience, Nature Communications, Geophysical Journal International*, *Geophysical Research Letters*, *Physics of Earth and Planetary Interiors*, *Journal of Geophysical Research,* G*eochemistry*, *Geophysics*, *Geosystems, Earth and Planetary Science Letters, Eos, Precambrian Research, Seismological Research Letters, Journal of Seismology*.

### IV.A.4 Reviewing Activities for Agencies and Foundations

National Science Foundation, Division of Earth Sciences (EAR): Geophysics Program, EarthScope Program, Education and Human Resources Program, Geoinformatics Program.

National Science Foundation, Division of Earth Sciences (EAR), Geophysics Program Review Panel Member, Spring 2015.

National Science Foundation, Division of Ocean Sciences (OCE): Marine Geology and Geophysics Program.

National Science Foundation, Faculty Early Career Development Program (CAREER).

Swiss National Science Foundation, Division of Mathematics, Physical and Engineering Sciences.

European Research Council, Starting Grant program

Academia Sinica (Taiwan), Career Development Award

Natural Sciences and Engineering Research Council of Canada

## IV.B. Committees, Professional & Campus Service

### IV.B.1 Campus Service – Department

Graduate Admissions Committee (2012-2013)

Search Committee for Assistant Professor in Geophysics (2013-2014)

Faculty Merit Review Committee (2013, 2014, 2015)

Geology Curriculum Review Committee (2015)

Search Committee for Department Chair (2015)

Departmental Colloquium Sole Organizer (Fall 2014, Spring 2015, Fall 2015, Spring 2016)

Search Committee for Assistant Professor in Geophysics (2015-2016)

Ad Hoc Award Committee (2012-present)

### IV.B.2 Campus Service – College

Member Representative of the University of Maryland, College Park to the Incorporated Research Institutions for Seismology Consortium (2012 – present)

### IV.B.3 Campus Service – University

Member of Review Panel for Packard Foundation – Fellowships for Science and Engineering (2015, 2016)

Member of Advisory Board for the Office of Postdoctoral Affairs – starting in January 2017 – which advises on matters of advocacy and on the development of policies to recommend to the provost and campus, serves as a sounding broad for innovative programs and professional development opportunities, brings forward faculty perspectives and concerns regarding current issues confronting post-docs, and identifies networking strategies for post-docs, mentors, and potential employers, both academic and otherwise.

### IV.B.7 Offices and Committee Memberships

2018 Study of the Earth’s Deep Interior (SEDI) Section Program Committee chair for the American Geophysical Union Fall Meeting

2018-present Chair of the Quality Assurance Advisory Committee of the Incorporated Research Institutions of Seismology

2018 Chair of Seismological Society of America Richter Award subcommittee of the Seismological Society of America

2016-present Incorporated Research Institutions of Seismology Instrumentation Services Standing Committee

2016-present Seismological Society of America Honors Selection Committee: Frank Press Award subcommittee.

2017 Computational Infrastructure for Geodynamics, Nominating Committee

2016-2018 Seismological Society of America Honors Selection Committee: Richter Award subcommittee

2014 Incorporated Research Institutions of Seismology Undergraduate Internship Program Selection Committee

2014-2015 Councilmember at Large, Geological Society of Washington

2014-2015 Membership Committee, Geological Society of Washington

2013-2015 Incorporated Research Institutions of Seismology Standing Committee on the Global Seismic Network.

2013 Seismology Section Program Committee chair for the American Geophysical Union Fall Meeting

2012 Seismology Section Program Committee co-chair for the American Geophysical Union Fall Meeting

## IV.F Community and Other Service

 Prince George's County Regional Science Fair judge (Spring 2014)

Washington, DC annual Science, Technology, and Engineering Fair special judge for the Geological Society of Washington (Spring 2017)

# Awards, Honors and Recognition

## V.1 Research Fellowships, Prizes and Awards

2016 Kavli Foundation Fellow

2015 Board of Visitors Distinguished Junior Faculty Award

2014-2015 EarthScope Speaker Series Speaker [Website with more information](http://www.earthscope.org/information/publications/newsletters/earthscope-speaker-series-2014-2015)

2014-2019 Packard Foundation Fellowship for Science and Engineering [Website with more information.](http://www.packard.org/2014/10/2014-packard-fellowships-in-science-and-engineering-awarded-to-eighteen-researchers/)

2014-2019 National Science Foundation CAREER Award [Website with more information.](http://www.nsf.gov/awardsearch/showAward?AWD_ID=1352214&HistoricalAwards=false)

2013 Charles F. Richter Award, Seismological Society of America [Website with more information.](http://www.seismosoc.org/awards/richter_award/)

2001-2002 John Harvard Scholarship, Harvard University [Website with more information.](http://www.registrar.fas.harvard.edu/general-information/john-harvard-and-harvard-college-scholarships)

2001 Detur Prize, Harvard University [Website with more information.](http://oue.fas.harvard.edu/icb/icb.do?keyword=k18059&pageid=icb.page498258)