

CURRICULUM VITAE

Raymond M. Russo

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Education:

Brown University, Providence, Rhode Island - Sc.B. 1983 Geophysics
Northwestern University, Evanston, Illinois - M.S. 1985 Geological Sciences
Northwestern University, Evanston, Illinois - Ph.D. 1990: Seismicity, Gravity
Anomalies, and the Tectonics of the Southeastern Caribbean

Post-Doctoral Honors:

Henry Osborn Wood Fellow, Carnegie Institution, 1991-3
NSF-NATO Fellow, 1996-7
Visiting Investigator, DTM, Carnegie Institution, 1996-2004
Searle Junior Fellow for Teaching Excellence, Northwestern University, 1999-2000
Faculty Honor Roll, Associated Student Government, Northwestern University, 2002-3

Professional Experience:

2010-23 Associate Professor, Department of Geological Sciences,
University of Florida, Gainesville
2004-09 Assistant Professor, Department of Geological Sciences,
University of Florida, Gainesville
1997-04 Assistant Professor, Department of Geological Sciences,
Northwestern University
2002 Distinguished Visiting Professor, Dept. of Geology & Geophysics, University of
Minnesota
1995-96 NSF-NATO Fellow, Laboratoire de Tectonophysique, Université de
Montpellier II, France

1993-94 Research Associate, Dept. of Terrestrial Magnetism, Carnegie Institution of Washington

1991-93 Henry Wood Fellow, Carnegie Institution of Washington

1991 Research Staff, Northwestern University, May-November

1991 Lecturer, University of the West Indies, St. Augustine, Trinidad, February-May

1987-90 Graduate Assistant, Northwestern University

1986-87 Fulbright Scholar, Università degli Studi, Florence, Italy

1983-86 Graduate Assistant, Northwestern University

Professional Affiliations:

American Geophysical Union (AGU)
Geological Society of America (GSA)
Seismological Society of America (SSA)

Professional Service:

1993-5 Judge of student presentations, Tectonophysics Section, AGU
1996-9 Associate Editor, Seismology, *Journal of Geophysical Research*
1998-2014 Editorial Board, *Geodinamica Acta*
1999-2006 Editorial Board, *Tectonophysics*
2000-02 Fall Meeting Program Chair, Tectonophysics Section, AGU
2001-06 Proposal Review Panelist, National Science Foundation
2004-05 AGU Representative, AGU-SEG-Balkans Geophys. Soc. Meeting, Bucharest
2007-10 Judge of student presentations, Seismology Section, AGU
2008-11 Member, Earthscope Thematic Working Group for Convergent Margin Processes
2005-08 Member, PASSCAL Standing Committee, IRIS Executive Board
2008-12 Editor, *Lithosphere*, published by the Geological Society of America
2014-17 Member, IRIS Instrumentation Services Standing Committee
2014-17 Member, IRIS International Development for Seismology Steering Committee
2014-20 Editor, *Geosphere*, published by the Geological Society of America

Department Service:

2007-08 Chair, Faculty Search Committee, University of Florida
2011-13 Member, Thompson Chair Faculty Search Committee, University of Florida
2014-15 Member, Faculty Search Committee, University of Florida
2017-18 Chair, Faculty Search Committee, University of Florida
2018-22 Mentor, University Multicultural Mentor Program (four students, total)

2021 Chair, AI Faculty Search Committee, University of Florida
2005-23 **Member**, Committee for Graduate Studies, University of Florida
2013-22 **Graduate Coordinator**, University of Florida

Teaching and Advising:

Courses Taught

1. ESC 1000 Intro to Earth Science
2. GLY 2010 Intro to Physical Geology
3. GLY 2010H Intro to Physical Geology, Honors Section
4. GLY 5455 Intro to Geophysics
5. GLY 5466 Seismology and Earth Structure
6. GLY 5468 Terrestrial Gravity & Magnetism
7. GLY 6425 Tectonics
8. GLY 6932 Writing for the Geological Sciences
9. GLY 6932 Time Series Analysis in Geosciences
10. GLY 6932 Rheology of the Earth
11. OCE 1001 Intro to Oceanography
12. IDH 3931H Art & Science in the Western World
13. IUF 2100 Climate Change Science & Solutions

Undergraduate Advising:

Teresa Garcia, Mirela Dardac, Greg Dyer, Felipe Pimentel, Cindy Mora, Katee Neesmith, Madeline Job, Sarah Bateman, Emily Rodriguez, Carson Beattie, Jamie Good

Graduate Advising, MS:

Robert Sirianni, Matthew Farrell, Emily Rodriguez

Graduate Advising, PhD:

Erin Beutel, Alejandro Gallego, Christian Stanciu, Megan Torpey Zimmerman, Paul Bremner, Sutatcha Hongsresawat, Yitan Wang, Brian Kelly, Carson Beattie Ayuni Mohamaad, Yi-wei Chen (University of Houston).

Post-Doctoral Mentoring:

Hyunsun Kang (PhD, Seoul National University 2023)

Seismological and Geodetic Field Deployments:

1. Southeastern Caribbean Slab Termination: Venezuela and Trinidad & Tobago, 1992-1993, as PI; 6 months in the field
2. Aftershocks of the February 18, 1996, Saint-Paul de Fenouillet (eastern Pyrenees) Earthquake: France and Spain, 1996, as field deployer; 3 days in the field

3. Aftershocks of the July 9, 1997, Cariaco Earthquake: Venezuela, 1997, as leader of U.S. contingent; 1 month in the field
4. Illinois Basin Crustal Structure, LaSalle, Illinois, Crustal Structure: 1999-2001, as PI; 2 months in the field
5. Twin Sisters Mantle Section: Washington State, 2001, as co-PI; 1 week in the field
6. Hawaii Shear Wave Splitting Project: 1999-2001, as co-PI; 2 months in the field
7. Chile Ridge Subduction Project: Patagonian Chile, 2004-2007, as PI; 10 months in the field
8. Transylvanian Basin Attenuation and Anisotropy Deployment: Romania, 2006-7, as PI; 2 months in the field
9. Western Idaho Shear Zone Experiment: Idaho & Oregon, 2009-2013, as co-PI: 10 months in the field
10. IRIS Community Response to the great Maule, Chile, earthquake of Feb. 27, 2010, April-October 2010, as co-Leader: 5 weeks in the field
11. Chile Ridge Tremor and Slow Slip Project, 2012-2023, as co-Leader: 45 weeks in the field to date
12. RAPID Response to the Mw 8.3 Illapel, Chile, earthquake, November 2015-November 2016, as co-leader: 8 weeks in the field

Publications:

Journal Articles

- Speed, R. C., **R. M. Russo**, J. Weber, and K.C. Rowley, Evolution of the southern Caribbean plate boundary, vicinity of Trinidad and Tobago: Discussion, Am. Assoc. Petrol. Geol. Bulletin, vol. 75, pp. 1789-1794, November, 1991.
- **Russo, R. M.**, and R. C. Speed, Oblique collision and tectonic wedging of the South American continent and Caribbean terranes, Geology, vol. 20, pp. 447-450, May 1992.
- **Russo, R. M.**, E. A. Okal, and K. C. Rowley, Historical seismicity of the southeastern Caribbean and tectonic implications, Pure and Applied Geophysics, vol. 139, no. 1, pp. 87-120, 1992.
- **Russo, R. M.**, R. C. Speed, E. A. Okal, J. B. Shepherd, and K. C. Rowley, Seismicity and tectonics of the southeastern Caribbean, Journal of Geophysical Research, vol. 98, pp. 14,299-14,319, 1993.
- **Russo, R. M.**, and P. G. Silver, Trench-parallel mantle flow beneath the Nazca Plate:

Results from seismic anisotropy, Science, vol. 263, no. 5150, pp. 1105-1111, 1994.

- **Russo, R. M.**, and R. C. Speed, Spectral analysis of gravity anomalies and the architecture of tectonic wedging, NE Venezuela and Trinidad, Tectonics, vol. 13, pp. 613-522, 1994.
- **Russo, R. M.**, and P. G. Silver, The Andes deep origin, Natural History, vol. 104, no. 2, pp. 52-58, 1995.
- **Russo, R. M.**, and A. Villaseñor, The 1946 Hispaniola earthquakes and the tectonics of the North America-Caribbean plate boundary zone, northeastern Hispaniola, Journal of Geophysical Research, vol. 100, 6,265-5,280, 1995.
- **Russo, R. M.**, P. G. Silver, M. Franke, W. B. Ambeh, and D. E. James, Shear wave splitting in Northeast Venezuela, Trinidad, and the eastern Caribbean, Physics of the Earth and Planetary Interiors, vol. 95, pp. 251-275, 1996.
- Lundgren, P. R., and **R. M. Russo**, Finite element modeling of crustal deformation in the North America-Caribbean plate boundary zone, Journal of Geophysical Research, vol. 101, pp. 11,317-11,327, 1996.
- **Russo, R. M.**, and P. G. Silver, Cordillera Formation, Mantle Dynamics, and the Wilson Cycle, Geology, vol. 24, pp. 511-514, 1996.
- Tommasi, A., A. Vauchez, and **R. M. Russo**, Seismic anisotropy in ocean basins: Resistive drag of the sublithospheric mantle?, Geophysical Research Letters, vol. 23, pp. 2,991-2,994, 1996.
- **Russo, R. M.**, and A. Villaseñor, Reply to comment on The 1946 Hispaniola earthquakes and the tectonics of the North America-Caribbean plate boundary zone, northeastern Hispaniola by J. Dolan and D. Wald, Journal of Geophysical Research, vol. 102, pp. 793-802, 1997.
- Schoenecker, S. C., **R. M. Russo**, and P. G. Silver, Source-side splitting of S waves from Hindu Kush-Pamir earthquakes, Tectonophysics, vol. 279, pp. 149-159, 1997.
- Silver, P. G., **R. M. Russo**, and C. Lithgow-Bertelloni, The coupling of South American and African plate motion and plate deformation, Science, vol. 279, no. 5347, pp. 50-53, 1998.
- Margheriti, L., C. Nostro, A. Amato, M. Cocco, F. P. Lucente, and **R. M. Russo**, Tectonic implications of deep seismic anisotropy along the CROP 03 profile, Memorie Società Geol. Italiano, vol. 52, pp. 345-351, 1998.
- **Russo, R. M.**, and E. A. Okal, Shear wave splitting in French Polynesia: Evidence for small-scale heterogeneity related to the Society hotspot, Journal of Geophysical Research, vol. 103, pp. 15,089-15,107, 1998.

- Lundgren, P., D. Giardini, and **R. M. Russo**, A geodynamic framework for eastern Mediterranean kinematics, Geophysical Research Letters, vol. 25, pp. 4007-4010, 1998.
- Wenzel, F., U. Achauer, D. Enescu, E. Kissling, **R. M. Russo**, V. Mocanu, and G. Musacchio, Detailed look at final stage of plate break-off is target of study in Romania, Eos, Trans. Amer. Geophys. Union, vol. 79, pp. 589, 592-594, 1998.
- Murdie, R. E., and **R. M. Russo**, Seismic Anisotropy in the Region of the Chile Margin Triple Junction, Journal of South American Earth Sciences, vol. 12, pp. 261-270, 1999.
- Klosko, E. R., **R. M. Russo**, E. A. Okal, and W. P. Richardson, Evidence for a rheologically strong chemical mantle root beneath the Ontong-Java Plateau, Earth and Planetary Science Letters, vol. 186, pp. 347-361, 2001.
- Flower, M.F.J., **R. M. Russo**, K. Tamaki, and N. Hoang, Mantle contamination and the Izu-Bonin-Mariana (IBM) high-tide mark: Evidence for mantle extrusion caused by Tethyan closure, Tectonophysics, vol. 333, pp. 9-34, 2001.
- Wolfe, C. J., S. C. Solomon, P. G. Silver, J. C. VanDecar, and **R. M. Russo**, Inversion of body-wave delay times for mantle structure beneath the Hawaiian islands: results from the PELENET experiment, Earth and Planetary Science Letters, vol. 198, pp. 129-145, 2002.
- VanDecar, J. C., **R. M. Russo**, D. E. James, D. E., W. B. Ambeh, and M. Franke, Aseismic continuation of the Lesser Antilles slab beneath northeastern Venezuela, Journal of Geophysical Research, vol. 108, paper no. 2043, doi:10.1029/2001JB000884, 2003.
- Tikoff, B., **R. M. Russo**, C. Teyssier, A. Tommasi, Mantle-driven deformation of orogenic zones and clutch tectonics, In: Grocott, J., K. McCaffrey, G. Taylor, B. Tikoff (eds.), Vertical Coupling and Decoupling in the Lithosphere, Geol. Soc. London Spec. Pub. 227, pp. 41-64, 2004.
- Marshall, J. L., and **R. M. Russo**, Relocated aftershocks of the March 10, 1988 Trinidad earthquake: Normal faulting, slab detachment, and extension at upper mantle depths, Tectonophysics, vol. 398, pp. 101-114, 2005.
- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, and K. Bonjer, Seismic Attenuation in the Carpathian Bend Zone and Surroundings, Earth and Planetary Science Letters, vol. 237, pp. 695-709, 2005.
- **Russo, R. M.**, Subducted oceanic asthenosphere and upper mantle flow beneath the Juan de Fuca slab, Lithosphere, vol. 1, pp. 195-205, 2009.
- **Russo, R. M.**, and V. I. Mocanu, Source-Side Shear Wave Splitting and Upper Mantle Flow in the Romanian Carpathians and Surroundings, Earth and Planetary Science Letters, vol. 287, pp. 205-216, doi: 10.1016/j.epsl.2009.08.028, 2009.

- **Russo, R. M.**, J.C. VanDecar, D. Comte, V.I. Mocanu, A. Gallego, and R.E. Murdie, Subduction of the Chile Ridge: Upper Mantle Structure and Flow, GSA Today, vol. 20, no. 9, pp. 4-10, doi: 10.1130/GSATG61A.1, 2010.
- Mora, C., D. Comte, **R. M. Russo**, A. Gallego, and V. Mocanu, Aysen seismic swarm (January 2007) in southern Chile: Analysis using joint hypocenter determination, Journal of Seismology, vol. 14, pp. 683-691, doi 10.1007/s10950-010-9190-y, 2010.
- **Russo, R. M.**, A. Gallego, D. Comte, V. Mocanu, R.E. Murdie, and J.C. VanDecar, Source-side shear wave splitting and upper mantle flow in the Chile Ridge subduction region, Geology, vol. 38, pp. 707-710, doi: 10.1130/GE30920.1, 2010.
- Gallego, A., **R. M. Russo**, D. Comte, V. Mocanu, R. Murdie, and J. VanDecar, Seismic noise tomography in the Chile Ridge Subduction region, Geophysical Journal International, vol. 182, pp. 1,478-1,492, doi: 10.1111/j.1365-246X.2010.04691.x, 2010.
- **Russo, R. M.**, S. L. Beck, A. S. Meltzer, S. W. Roecker, A. M. Reusch, A. Velasco, C. Ebeling, and P. M. Bremner, Earthscope participates in open data seismic deployment following 2010 Chile earthquake, InSights, The Earthscope Newsletter, Winter Quarter, pp. 1, 3, <http://www.earthscope.org/publications/onsite>, 2011.
- **Russo, R. M.**, A. Gallego, D. Comte, V. I. Mocanu, R. E. Murdie, C. Mora and J.C. VanDecar, Triggered seismic activity in the Liquine-Ofqui fault zone, southern Chile, during the 2007 Aysen seismic swarm, Geophysical Journal International, vol. 184, pp. 1317-1326, doi: 10.1111/j.1365-246X.2010.04908.x, 2011.
- Gallego, A., M. Panning, **R. M. Russo**, D. Comte, V. Mocanu, R. Murdie, and J. VanDecar, Azimuthal anisotropy in the Chile Ridge subduction region retrieved from ambient noise, Lithosphere, vol. 3, pp. 393-400, doi: 10.1130/L139.1, 2011.
- Montilla, A., R. Figueroa, and **R. M. Russo**, Terremoto de Cariaco del 9 de Julio 1997: Evaluación del Parámetro Vp/Vs, Geominas, vol. 39, no. 54, pp. 7-11, 2011.
- **Russo, R. M.**, Source-side shear wave splitting and upper mantle flow beneath the Arakan slab, India-Asia-Sundaland triple junction region, Geosphere, vol. 8, pp. 158-178, doi: 10.1130/GES00534.1, 2012.
- Gallego, A., **R. M. Russo**, D. Comte, V. Mocanu, R. Murdie, J. C. VanDecar, Tidal modulation of non-volcanic seismic tremor in the Chile triple junction region, Geochemistry, Geophysics, Geosystems, vol. 14, doi:10.1002/ggge.20091, 2013.
- Stanciu, A.C., **R. M. Russo**, V.I. Mocanu, and L. Munteanu, Shear-wave splitting within the Southeastern Carpathian Arc, Transylvania Basin, Romania, Journal of Geodynamics, vol. 70, pp. 61-69, 2013.
- Hongresawat, S., M.P. Panning, **R. M. Russo**, D. A. Foster, V. Monteiller, and S. Chevrot, USArray shear wave splitting shows seismic anisotropy from both lithosphere and asthenosphere, Geology, vol. 43, pp. 667-670, 2015.

- Stanciu, A.C., **R. M. Russo**, V.I. Mocanu, P.M. Bremner, S. Hongsresawat, M.E. Torpey, J.C. VanDecar, D.A. Foster, and J.A. Hole, Crustal structure beneath the Blue Mountains terranes and cratonic North America, eastern Oregon, and Idaho, from teleseismic receiver functions, Journal of Geophysical Research, vol. 121, doi:10.1002/2016JB012989, 2016.
- Davenport, K.K., J.A. Hole, B. Tikoff, **R. M. Russo**, and S.H. Harder, A strong contrast in crustal architecture from accreted terranes to craton, constrained by controlled-source seismic data in Idaho and eastern Oregon, Lithosphere, vol. 9, pp. 325-340, doi:10.1130/L553.1, 2017.
- James, S.R., E.J. Sreaton, **R. M. Russo**, M.P. Panning, P.M. Bremner, A.C. Stanciu, M.E. Torpey, and S. Hongsresawat, Hydrostratigraphy characterization of the Floridan aquifer system using ambient seismic noise, Geophysical Journal International, vol. 209, pp. 876-889, doi:10.1093/gji/ggx064, 2017.
- Tikoff, B., J. Vervoort, J.A. Hole, **R. M. Russo**, R. Gaschnig, and A. Fayon, Introduction: EarthScope IDOR project (deformation and magmatic modification of a steep continental margin, western Idaho-eastern Oregon) themed issue, Lithosphere, vol. 9, pp.151-156, doi:10.1130/L628.1, 2017.
- Bremner, P.M., M. P. Panning, **R. M. Russo**, V. Mocanu, A.C. Stanciu, M. Torpey, S. Hongsresawat, J.C. VanDecar, T.A. LaMaskin, and D.A. Foster, *Crustal shear wave velocity structure of central Idaho and eastern Oregon from ambient seismic noise: Results from the IDOR project*, Journal of Geophysical Research, vol. 124, doi: 10.1029/2018JB016350, 2019.
- Meltzer, A., J.C. Stachnik, B. Sodnomsambuu, U. Munkhuu, B. Tsagan, M. Dashdondong, and **R.M. Russo**, *The Central Mongolia seismic experiment: Multiple applications of temporary broadband seismic arrays*, Seismological Research Letters, vol. 90, pp. 1364-1376, doi: 10.1785/0220180360, 2019.
- Comte, D., M. Farias, S. Roecker, and **R.M. Russo**, *The nature of the subduction wedge in an erosive margin: Insights from the analysis of aftershocks of the 2015 Mw 8.3 Illapel earthquake beneath the Chilean Coastal Range*, Earth & Planetary Science Letters, vol. 520, pp. 50-62, doi: 10.1016/j.epsl.2019.05.033, 2019.
- Rodriguez, E.E., and **R. M. Russo**, *Crustal structure of southern Chile from teleseismic receiver functions: Responses to ridge subduction and assembly of the Patagonian microplate*, Geosphere, vol. 16, doi.org/10.1130/GES01692.1. 2019.
- Luo, H., B. A. C. Ambrosius, **R. M. Russo**, Mocanu, V. I., K. Wang, M. Bevis, and R. Fernandes, *A recent increase in megathrust locking in the southernmost rupture area of the giant 1960 Chile earthquake*, Earth & Planetary Science Letters, vol. 537, 116200, 2020.
- **Russo, R. M.**, H. Luo, K. Wang, B. Ambrosius, V. Mocanu, J. He, T. James, M. Bevis, and R. Fernandes, *Lateral variation in slab window viscosity revealed by GNSS-observed uplift due to recent mass loss at Patagonia icefields*, Geology, vol. 50, pp. 111-115, doi.org/10.1130/G49388.1, 2021.
- Tikoff, B., P. Kelso, A.K. Fayon, R. Gaschnig, **R.M. Russo**, J. Vervoort, B. Jicha, and M.J. Kahn, *The jagged western edge of Precambrian North America: The role of inherited rifted*

lithospheric structure on subsequent tectonism in the Pacific Northwest, in: Whitmeyer, S.J., Williams, M.L., Kellett, D.A., and Tikoff, B., eds., Laurentia: Turning Points in the Evolution of a Continent: Geological Society of America Memoir 220, doi.org/10.1130/2022.1220(22), 2022.

- Ben-Mansour, W., D.A. Wiens, H.F. Mark, R.M. Russo, A. Richter, E. Marderwald, and S. Barrientos, *Mantle flow patterns associated with the Patagonian slab window determined from azimuthal anisotropy*, Geophysical Research Letters, vol. 49, e2022GL099871, doi.org/10.1029/2022GL099871, 2022.
- Wang, Y., **R.M. Russo**, and Y. Lin, *Use of Decision Tree Ensembles for Crustal Structure Imaging from Receiver Functions*, submitted to Journal of Geophysical Research, 18 April 2023, currently in review.
- Wang, Y., and **R.M. Russo**, *Lower Crustal Densities of the Continents and HotSpot Islands*, submitted to Geophysical Journal International, 20 April 2023, currently in review.

Abstracts & Presentations, 2003-2023:

- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, *Carpathian Region Upper Mantle Anisotropy and Attenuation*, Geophys. Res. Abstracts, Eur. Geophys. Soc., 5, 2003 (abstract no. 02315).
- Kleinspehn, K. L., and **R. M. Russo**, *Interplate and intraplate decoupling: A 3d view from surface geology & seismicity, eastern Hellenic forearc*, Geophys. Res. Abstracts, Eur. Geophys. Soc., 5, 2003 (abstract no. 04830).
- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, *Late Cenozoic Carpathian tectonics: Delamination or slab tearing and the preservation of continental mantle lithosphere*, 4th Stefan Müller Conference of the EGU, Retezat Mts., Romania, May 2003.
- **Russo, R. M.**, *Shear-wave splitting and upper mantle flow of the Pacific Basin and margins*, Geol. Soc. America Annual Meeting, Seattle, Washington, Nov. 4, 2003 (abstract no. 65551).
- Lees, J. M., and **R. M. Russo**, *Source-side shear-wave splitting of the Kamchatka slab termination region*, Geol. Soc. America Annual Meeting, Seattle, Washington, Nov. 5, 2003 (abstract no. 66966).
- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, and K. Bonjer, *Seismic attenuation in the Carpathian Bend Zone and surroundings*, American Geophys. Union Fall Meeting, San Francisco, CA, Dec. 9, 2003 (abstract no. 2620).
- Kleinspehn, K. L., and **R. M. Russo**, *Interplate and intraplate decoupling: A 3D view from surface geology and seismicity, eastern Hellenic forearc, Greece*, American Geophys. Union Fall Meeting, San Francisco, CA, Dec. 12, 2003 (abstract no. 4332).
- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, and K. Bonjer, *Seismic Attenuation in the Carpathian Bend Zone and Surroundings*, 1st Asia-Oceania Geosciences Society Meeting, Singapore, July 8, 2004
- **Russo, R. M.**, V. Mocanu, M. Radulian, M. Popa, and K. Bonjer, *Shear-wave splitting and the distribution of lithosphere and asthenosphere at depth beneath the Carpathian arc*, Geophys. Res. Abstracts, Eur. Geophys. Soc., 8, 2005 (abstract no. 02930).

- **Russo, R. M.**, and J. M. Lees, *Seismic anisotropy beneath Pacific ocean lithosphere subducted at Kamchatka*, Eos, Trans. AGU 86(52), Fall Meeting Suppl., Abstract T23A-0531, Dec. 2005.
- Dardac, M., **R. M. Russo**, V. Mocanu, M. Radulian, M. Popa, and K. Bonjer, *Seismic attenuation in the Vrancea Zone and surroundings: Delamination or subduction?* Eos, Trans. AGU 86(52), Fall Meeting Suppl., Abstract T21C-0493, Dec. 2005.
- -
- Garcia, T. M., and **R. M. Russo**, *Mantle flow beneath the Pacific Basin determined via shear wave splitting*, Eos, Trans. AGU 86(52), Fall Meeting Suppl., Abstract T23A-0525, Dec. 2005.
- Gallego, A., **R. M. Russo**, D. Comte, V. I. Mocanu, and R. E. Murdie, *Non-volcanic seismic tremor in the Chile triple junction region*, Eos Trans. AGU, 87(52), Fall Meet. Suppl., Abstract T54A-02, 2006.
- Comte, D., A. Gallego, **R. M. Russo**, V. I. Mocanu, R. E. Murdie, and J. C. VanDecar, *The Aysen (southern Chile) 2007 seismic swarm: Volcanic or tectonic origin?* Eos Trans. AGU, 88(23), Jt. Assem. Suppl., Abstract S43A-04 (Invited), 2007.
- Gallego, A., **R. M. Russo**, D. Comte, V. I. Mocanu, R. E. Murdie, and J. C. VanDecar, *Non-volcanic seismic tremor in the Chile Triple Junction region: Active subducted transform faults?* Eos Trans. AGU, 88(23), Jt. Assem. Suppl., Abstract S33A-05, 2007. **Best Student Paper Award for Seismology Section.**
- **Russo, R. M.**, V. I. Mocanu, D. Comte, A. Gallego, R. E. Murdie, J. C. VanDecar, and S. van der Lee, *Shear wave splitting and seismic anisotropy in the Chile Ridge subduction region*, Eos Trans. AGU, 88(23), Jt. Assem. Suppl., Abstract S44A-06, 2007.
- VanDecar, J.C., **R. M. Russo**, V.I. Mocanu, A. Gallego, D. Comte, and R.E. Murdie, *Subduction of the Chile Ridge imaged by teleseismic travel-time inversion*, Eos Trans. AGU, 88(23), Jt. Assem. Suppl., Abstract S44A-05 (Invited), 2007.
- **Russo, R. M.**, *Seismo-Geology: Seeing into the Earth with Both Eyes Open*, Geol. Soc. America Abstracts with Programs, 39(6), 121, (Invited), 2007.
- Foster, D. A., P. A. Mueller, D. Mogk, and **R. M. Russo**, *Crustal boundaries and plutonic imaging along the northern Rocky Mountain segment of the Western Geoswath*, Geol. Soc. America Abstracts with Programs, 39(6), 613, (Invited), 2007.
- Gallego, A., **R. M. Russo**, D. Comte, V. I. Mocanu, R. E. Murdie, and J.C. VanDecar, *Tidal Variation in Non Volcanic Seismic Tremor Activity at the Chile Triple Junction*, Eos, Trans. AGU, 88(52), Fall Meet. Supp., Abstract T21A-0358, 2007.
- **Russo, R. M.**, V. I. Mocanu, D. Comte, A. Gallego, R. E. Murdie, J. C. VanDecar, and S. van der Lee, *Shear wave splitting and seismic anisotropy in the Chile Ridge subduction region*, Eos, Trans. AGU, 88(52), Fall Meet. Supp., Abstract T34B-06, 2007.
- VanDecar, J. C., **R. M. Russo**, V. I. Mocanu, A. Gallego, D. Comte, R. E. Murdie, and S. van der Lee, *The Subducted Chile Ridge imaged with teleseismic travel-time inversion*, Eos, Trans. AGU, 88(52), Fall Meet. Supp., Abstract T34B-05 (Invited), 2007
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