CURRICULUM VITAE
OF
DR. SHIMON WDOWINSKI
DEPARTMENT OF EARTH AND ENVIRONMENT

EDUCATION

Degree	*Institution*	*Field*	*Dates*
Ph.D.	Harvard University	Geophysics	06/1990
M.S.	Harvard University	Engineering Sci.	06/1987
M.Sc.	Hebrew University	Geology	06/1985
B.Sc.	Hebrew University	Earth Sciences	06/1984

FULL-TIME ACADEMIC EXPERIENCE

Institution	*Rank*	*Field*	*Dates (Month &Year)*
FIU	Professor	Earth Sci.	08/2019-present
FIU	Associate Professor	Earth Sci.	08/2016-07/2019
U. of Miami	Research Professor	Geosciences	06/2015-07/2016
U. of Miami	Research Associate Professor	Geosciences	01/2005-05/2015
Tel Aviv U.	Associate Professor	Geophysics	10/1998-12/2004
Tel Aviv U.	Assistant Professor	Geophysics	10/1994-09/1998
SIO, UCSD	Postdoc Researcher	Geodesy	10/1990-03/1993
Harvard U.	Postdoc Researcher	Geophysics	07/1990-09/1990

PART-TIME ACADEMIC EXPERIENCE

Institution	*Rank*	*Field*	*Dates (Month & Year)*
U. of Miami	Post-doc Associate	Geosciences	09/2001-12/2004
U. of Miami	Adjunct Associate Professor	Geosciences	10/2000-08/2001
U. of Miami	Adjunct Assistant Professor	Geosciences	10/1998-09/2000

NON-ACADEMIC EXPERIENCE

Place of Employment	*Title*	*Dates*
Geological Survey of Israel	Researcher	04/1993-09/1994
Geological Survey of Israel	Geologist	06/1984-05/1985

EMPLOYMENT RECORD AT FIU

Rank	*Dates*
Professor	08/2019-present

PUBLICATIONS IN DISCIPLINE

Books – N/A

Articles

2021 Orhan, O., T. Oliver-Cabrera, S. Wdowinski, S., Yalvac, and M. Yakar, (2021), Land Subsidence and Its Relations with Sinkhole Activity in Karapınar Region, Turkey: A Multi-Sensor InSAR Time Series Study, *Sensors* 21, no. 3: 774. https://doi.org/10.3390/s21030774.

Havazli, E. and S. Wdowinski (2021), Detection Threshold Estimates for InSAR Time Series: A Simulation of Tropospheric Delay Approach. *Sensors*. 2021; 21(4):1124. https://doi.org/10.3390/s21041124

2020 Li, S., S. Wdowinski, Y-J Hsu, and B. H. Shyu, (2020), Earthquake Interactions in Central Taiwan: Probing Coulomb stress effects due to $M_L \geq 5.5$ earthquakes from 1900 to 2017. Journal of Geophysical Research: Solid Earth, 125, e2019JB019010. https://doi.org/10.1029/2019JB019010.

Bock, Y. and S. Wdowinski (2020), GNSS Geodesy in Geophysics, Natural Hazards, Climate, and the Environment, in Position, Navigation, and Timing Technologies in the 21st Century: Integrated Satellite Navigation, Sensor Systems, and Civil Applications, *IEEE, 2021*, 741-820, doi: 10.1002/9781119458449.ch28.

Govorčin, M., S. Wdowinski, B. Matoš, and G. J. Funning, (2020), Geodetic source modeling of the 2019, M_w 6.3 Durrës, Albania earthquake: partial rupture of a blind reverse fault, Geophysical research letters, 47, e2020GL088990. https://doi.org/10.1029/2020GL088990.

Solano Rojas, D.E., S. Wdowinski, E. Cabral-Cano, and B. Osmanoglu (2020), Detecting differential ground displacements of civil structures in Fast Subsiding Metropolitans with Interferometric SAR and BandPass Filtering, Scientific Reports, *10*(1), 1-14.

Liao, H., S. Wdowinski, and S. Li, Regional-scale hydrological monitoring of wetlands with Sentinel-1 InSAR Observations: Case Study of the South Florida Everglades, (2020), Remote Sensing for Environment, 251, https://doi.org/10.1016/j.rse.2020.112051

Fiaschi, S. and S. Wdowinski, (2020). Local land subsidence in Miami Beach (FL) and Norfolk (VA) and its contribution to flooding hazard in coastal communities along the US Atlantic coast. *Ocean & Coastal Management*, *187*, 105078.

2019 Govorčin, M., B. Pribičević, and S. Wdowinski, S. (2019). Surface Deformation Analysis of the Wider Zagreb Area (Croatia) with Focus on the Kašina Fault, Investigated with Small Baseline InSAR Observations. *Sensors*, *19*(22), 4857.

2018 Jaramillo, F., I. Brown, P. Castellazzi, L. Espinosa, A. Guittard, S-H Hong, V. Rivera-Monroy, S. Wdowinski, (2018), Assessment of hydrologic connectivity in an ungauged wetland with InSAR observations, Environmental Research Letters, vol. 13, no. 2, 024003.

Jaramillo, F., Licero, L., Åhlen, I., Manzoni, S., Rodríguez-Rodríguez, J.A., Guittard, A., Hylin, A., Bolaños, J., Jawitz, J., Wdowinski, S. and Martínez, O., (2018), Effects of Hydroclimatic Change and Rehabilitation Activities on Salinity and Mangroves in the Ciénaga Grande de Santa Marta, Colombia. *Wetlands*, pp.1-13.

Hong, S. H., Wdowinski, S., Amelung, F., Kim, H. C., Won, J. S., & Kim, S. W. (2018). Using TanDEM-X pursuit monostatic observations with a large perpendicular baseline to extract glacial topography. *Remote Sensing*, *10*(11), 1851.

Brothelande, E., Amelung, F., Yunjun, Z., and Wdowinski, S. Geodetic evidence for interconnectivity between Aira and Kirishima magmatic systems, Japan. *Scientific reports*, *8*(1), 9811, 2018

2017 Torres, Y., K. Premaratne, F. Amelung, and S. Wdowinski (2017), An Efficient Polyphase Filter Based Resampling Method for Unifying the PRFs in SAR Data, IEEE Transactions on Geoscience and Remote Sensing, vol. 55, no. 8, pp.1-14 doi: 10.1109/TGRS.2017.2713600

Hong, S. H., & Wdowinski, S. (2017). A Review on Monitoring the Everglades Wetlands in the Southern Florida Using Space-based Synthetic Aperture Radar (SAR) Observations. *33*(4), 377-390.

Zhang, Q., G. Lin, Z. Zhongwen, C. Xiaowei, Q. Yan, and S. Wdowinski, (2017), Absence of remote earthquake triggering within the Coso and Salton Sea geothermal production fields, Geophysical Research Letters. *44*(2), 726-733.

Feliciano, E., S. Wdowinski, M. Potts, S-K Lee, and T. Fatoyinbo, (2017), Estimating Mangrove Canopy Height and Above-Ground Biomass in the Everglades National Park with Airborne LiDAR and TanDEM-X Data, Remote Sensing, 9(7), 702.

Mahmoudi, M., Garcia, R., Cline, E., Price, R. M., Scinto, L. J., Wdowinski, S., & Miralles-Wilhelm, F. (2017). Fine spatial resolution simulation of two-dimensional modeling of flow pulses discharge into wetlands: Case study of Loxahatchee impoundment landscape assessment, the everglades. *Journal of Hydrologic Engineering*, *22*(1), D5015001.

2016 Wdowinski, S., R. Bray, B. P. Kirtman, and Z. Wu (2016), Increasing flooding hazard in coastal communities due to rising sea level: Case study of Miami Beach, Florida, Ocean & Coastal Management, Volume 126, Pages 1-8, ISSN 0964-5691, http://dx.doi.org/10.1016/j.ocecoaman.2016.03.002.

Zhao, W., F. Amelung, M-P Doin, T. H. Dixon, S. Wdowinski, and G. Lin (2016), InSAR observations of lake loading at Yangzhuoyong Lake, Tibet: Constraints on crustal elasticity, Earth and Planetary Science Letters, V. 449, 240-245, ISSN 0012-821X, http://dx.doi.org/10.1016/j.epsl.2016.05.044.

Oliver-Cabrera, T. and S. Wdowinski, (2016), InSAR-Based Mapping of Tidal Inundation Extent and Amplitude in Louisiana Coastal Wetlands. *Remote Sens*, *8*, 393.

Osmanoğlu, B., Sunar, F., Wdowinski, S., & Cabral-Cano, E. (2016). Time series analysis of InSAR data: Methods and trends. *ISPRS Journal of Photogrammetry and Remote Sensing*, 115, 90-102.

2015 Weber, J. C., H. Geirsson, J. L. Latchman, K. Shaw, P. La Femina, S. Wdowinski, M. Higgins, C. Churches, and E. Norabuena (2015), Tectonic inversion in the Caribbean-South American plate boundary: GPS Geodesy, Seismology, and Tectonics of the Mw 6.7 April 22, 1997 Tobago earthquake, Tectonics, 34, 1181–1194, doi:10.1002/2014TC003665.

Pacheco-Martínez, J.; Cabral-Cano, E.; Wdowinski, S.; Hernández-Marín, M.; Ortiz-Lozano, J.Á.; Zermeño-de-León, M.E. Application of InSAR and Gravimetry for Land Subsidence Hazard Zoning in Aguascalientes, Mexico. *Remote Sens.* **2015**, *7*, 17035-17050.

Pacheco-Martínez, J., S. Wdowinski, E. Cabral-Cano, M. Hernández-Marín, J. A. Ortiz-Lozano, T. Oliver-Cabrera, D. Solano-Rojas, and E. Havazli. "Application of InSAR and gravimetric surveys for developing construction codes in zones of land subsidence induced by groundwater extraction: case study of Aguascalientes, Mexico." *Proceedings of the International Association of Hydrological Sciences* 372: 121, 2015.

Cabral-Cano, E., D. Solano-Rojas, T. Oliver-Cabrera, S. Wdowinski, E. Chaussard, L. Salazar-Tlaczani, F. Cigna, C. DeMets, and J. Pacheco-Martínez. "Satellite geodesy tools for ground subsidence and associated shallow faulting hazard assessment in central Mexico." *Proceedings of the International Association of Hydrological Sciences* 372, 255, 2015.

Solano-Rojas, D., Cabral-Cano, E., Hernandez-Espriu, A., Wdowinski, S., DeMets, C., Salazar-Tlaczani, L., ... & Bohane, A. (2015). Relation between terrane subsidence InSAR-GPS and depression of the static level in wells of the Mexico City Metropolitan Area. *BOLETIN DE LA SOCIEDAD GEOLOGICA MEXICANA*, *67*(2), 273-283.

Brisco, B., K. Murnaghan, S. Wdowinski & Sang-Hoon Hong (2015): Evaluation of RADARSAT-2 Acquisition Modes for Wetland Monitoring Applications, Canadian Journal of Remote Sensing, 41, 431-439, DOI: 10.1080/07038992.2015.1104636

Hong, S.-H., H.-O. Kim, S. Wdowinski, and E. Feliciano (2015), Evaluation of Polarimetric SAR Decomposition for Classifying Wetland Vegetation Types. *Remote Sens.*, *7*, 8563-8585.

Brisco, B., F. Ahern, S-H Hong, S. Wdowinski, K. Murnaghan, L. White, and D.K., Atwood (2015), Porlarimetric decomposition of temperate wetlands at C-band, IEEE J. Selected Topics in App. Earth Observations and Remote Sensing, 8, 3585-3594, DOI 10.1109/JSTARS.2015.2414714.

Fattahi, H., F. Amelung, E. Chaussard, and S. Wdowinski (2015), Coseismic and postseismic deformation due to the 2007 M5.5 Ghazaband fault earthquake, Balochistan, Pakistan, Geophys. Res. Lett., 42, doi:10.1002/2015GL063686.

2014 Hong, S-H, and S. Wdowinski, Multi-temporal, multi-track monitoring of wetland water levels in the Florida Everglades using ALOS PALSAR data with interferometric processing, IEEE Geosciences and Remote Sensing Letters, DOI 10.1109/LGRS.2013.2293492, 2014.

Feliciano, E., S. Wdowinski, and M. Potts, Assessing Mangrove Above-Ground Biomass and Structure using Terrestrial Laser Scanning: A Case Study in the Everglades National Park, Wetlands, DOI 10.1007/s13157-014-0558-6, 2014.

Xiao, X., S. Wdowinski, and Y. Wu, Improved Water Classification Using an Application-oriented Processing of Landsat ETM+ and ALOS PALSAR, International Journal of Control & Automation, 7 (11), 355-370, 2014.

Zhao, W., F. Amelung, T.H. Dixon, S. Wdowinski, and R. Malservisi, A method for estimating ice mass loss from relative InSAR observations: Application to the Vatnajökull ice cap, Iceland, Geochem. Geophys. Geosyst, DOI 10.1002/2013GC004936, 2014.

Ahern, F.J., B. Brisco, K. Murnaghan, L. White, S. Wdowinski, S-H Hong, and D. Atwood, PolSAR imaging of wetlands: New insights into backscatter physics, Geoscience and Remote Sensing Symposium (IGARSS), 2014 IEEE International, 1171-1174, 2014.

Chaussard, E., S. Wdowinski, F. Amelung, and E. Cabral-Cano, Land subsidence in central Mexico detected by ALOS InSAR time-series, Remote Sensing for Environment, 140, 94-106, 2014.

Osmanoglu, B., T.Dixon, and S. Wdowinski, 3-D phase unwrapping for satellite radar interferometry, I: DEM generation, IEEE Transactions on Geosciences and Remote Sensing, DOI 10.1109/TGRS.2013.2247043, 2014.

Hong, S-H, and S. Wdowinski, Double bounce component in cross-polarimetric SAR from a new scattering target decomposition, IEEE Geosciences and Remote Sensing, DOI 10.1109/TGRS.2013.2268853, 2014.

Yin, H., and S. Wdowinski, Improved detection of earthquake-induced ground motion with spatial filter: case study of the 2012 M = 7.6 Costa Rica earthquake, GPS Solutions, DOI 10.1007/s10291-013-0353-5, 2014.

2013 Jin, S., van Dam, T. and S. Wdowinski, Observing and understanding the Earth system variations from space geodesy, *Journal of Geodynamics*, DOI 10.1016/j.jog.2013.08.001, 2013.

Wdowinski, S., S.-H. Hong, A. Mulcan, and B. Brisco. Remote-sensing monitoring of tide propagation through coastal wetlands. Oceanography 26(3):64–69, DOI 10.5670/ oceanog.2013.46, 2013.

Osmanoglu, B., S. Wdowinski, and T. H. Dixon. "3-D synthetic aperture radar interferometry phase unwrapping using extended Kalman filters." *ISPRS-International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences* 2, 185-187, 2013.

Kim, S-W, S. Wdowinski, F. Amelung, T. H. Dixon, and J-S Won, Interferometric coherence analysis of the Everglades wetlands, South Florida, IEEE Geosciences and Remote Sensing, DOI 10.1109/TGRS.2012.2231418, 2013.

Yang, Q., S. Wdowinski, and T.H. Dixon, Annual Variation of Coastal Uplift in Greenland as an Indicator of Variable and Accelerating Ice Mass Loss, Geochem. Geophys., Geosys, DOI: 10.1002/ggge.20089, 2013.

Yin, H., S. Wdowinski, X. Liu, W. Gan, G. Xiao, B Huang, and S. Liang, Strong ground motion recorded by high-rate GPS of the 2008 Ms= 8.0 Wenchuan earthquake, China, Seismological Research Letter, 87, 210-218, doi: 10.1785/ 0220120109, 2013.

2012 Sadeh, M., Y. Hamiel, A. Ziv, Y. Bock, P. Fang, and S. Wdowinski, Crustal deformation along the Dead Sea Transform and the Carmel Fault inferred from 12 years, of GPS measurements, *J. Geophys. Res.*, *117*, B08410, 14 PP., doi:10.1029/2012JB009241, 2012.

Bock, Y., S. Wdowinski, A. Ferretti, F. Novali, and A. Fumagalli, Reply to comment by P. Teatini et al. on “Recent subsidence of the Venice Lagoon from continuous GPS and interferometric synthetic aperture radar”, VOL. 13, Q08011, 3 PP., doi:10.1029/2012GC004270, 2012.

Nof, R. N., A. Ziv, M.-P. Doin, G. Baer, Y. Fialko, S. Wdowinski, Y. Eyal, and Y. Bock, Rising of the lowest place on Earth due to Dead Sea water-level drop: Evidence from SAR interferometry and GPS, *J. Geophys. Res., 117*, B05412, doi:10.1029/2011JB008961, 2012.

Bock, Y., S. Wdowinski, A. Ferretti, F. Novali, and A. Fumagalli, Recent subsidence of the Venice Lagoon from continuous GPS and interferometric synthetic aperture radar, Geochem. Geophys. Geosyst., 13, Q03023, doi:10.1029/2011GC003976, 2012.

Jiang, Y., S. Wdowinski, T. H. Dixon, M. Hackl, M. Protti, and V. Gonzalez, Slow slip events in Costa Rica detected by continuous GPS observations, 2002–2011, Geochem. Geophys. Geosyst., 13, Q04006, doi:10.1029/2012GC004058, 2012.

Cigna F., Osmanoğlu B., Cabral-Cano E., Dixon T.H., Ávila-Olivera J.A., Garduño-Monroy V.H., DeMets C., Wdowinski S. - *Monitoring land subsidence and its induc*ed geological hazard with Synthetic Aperture Radar Interferometry: a case study in Morelia, Mexico. Remote Sensing of Environment, DOI: 10.1016/j.rse.2011.09.005, 2012.

2011 Hong, S-H, and S. Wdowinski, Evaluation of the quad-polarimetric RADARSAT-2 observations for the wetland InSAR application, Canadian Journal of Remote Sensing, Vol. 37, Issue 5, pp. 484-492, 2011.

Cigna F., Cabral-Cano E., Osmanoğlu B., Dixon T.H., Wdowinski S., Detecting subsidence-induced faulting in Mexican urban areas by means of Persistent Scatterer Interferometry and subsidence horizontal gradient mapping. In: Proc. IEEE International Geoscience & Remote Sensing Symposium, IGARSS 2011, Vancouver, Canada. pp. 2125-2128. ISBN: 978-1-4577-1005-6, 2011.

Osmanoglu, B., T.Dixon, S. Wdowinski, and E. Cabral-Cano, On the Importance of Path for Phase Unwrapping in Synthetic Aperture Radar Interferometry, Applied Optics, accepted, Applied Optics, Vol. 50, Issue 19, pp. 3205-3220, doi:10.1364/AO.50.003205, 2011.

Osmanoglu, B., T.Dixon, S. Wdowinski, E. Cabral-Cano, and Y. Jiang, Mexico City subsidence observed with Persistent Scatterer InSAR, International Journal of Applied Earth Observation and Geoinformation, doi:10.1016/j.jag.2010.05.009, 2011.

2010 Plattner, C., S. Wdowinski, T.H. Dixon, J. Biggs, Surface subsidence induced by the Crandall Canyon Mine (Utah) collapse: InSAR observations and elasto-plastic modeling, Geophysical Journal International, Vol 183, 1089-1096, doi: 10.1111/j.1365-246X.2010.04803.x, 2010.

Jiang, Y., T. Dixon, and S. Wdowinski, Accelerating Uplift in Greenland, Iceland and Svalbard, Nature-Geosiences, DOI: 10.1038/NGEO845, 2010.

Hong, S-H, S. Wdowinski, S-W Kim, and J-S Won, Multi-temporal monitoring of wetland water levels in the Florida Everglades using interferometric synthetic aperture radar (InSAR), Remote Sensing for Environment, 114, 2436-2447, 2010.

Kim, S-W, S. Wdowinski, F. Amelung, T. Dixon, S-J Won, and J-W Kim, Measurements and predictions of subsidence induced by soil consolidation using permanent scatterer InSAR and hyperbolic model, Geophysical Research letters, VOL. 37, L05304, doi:10.1029/2009GL041644, 2010.

Hong, S-H, S. Wdowinski, S-W Kim, Evaluation of TerraSAR-X observations for Wetland InSAR application, IEEE Geosciences and Remote Sensing, 48, 864-873, 2010.

Hong, S-H. and S. Wdowinski, Rotated dihedral and volume scattering behavior in cross-polarimetric SAR, IGARSS meeting Proceedings, DOI: 10.1109/IGARSS.2010.5654326, 3138 – 3141, 2010.

Cabral-Cano, E., B. Osmanoglu, T. Dixon, S. Wdowinski, C. DeMets, F. Cigna, and O. Díaz-Molina. "Subsidence and fault hazard maps using PSI and permanent GPS networks in central Mexico." In *Proceedings of the Eighth International Symposium on Land Subsidence, Querétaro, Mexico*, pp. 17-22. 2010.

Gondwe, B.R.N., S.-H. Hong, S. Wdowinski, and P. Bauer-Gottwein, Hydrodynamics of the groundwater-dependent Sian-Ka'an wetlands, Mexico, from InSAR and SAR data, Wetlands, 30, 1-13, 2010.

2009 Wdowinski, S., Deep creep as a cause of the excess seismicity along the San Jacinto Fault: Nature-Geosiences, 2, 882-885, 2009.

Wdowinski, S., and S. Eriksson, Geodesy in the 21st Century, *Eos Trans. AGU, 90, 153-155,* 2009.

Hackl, M, R. Malservisi and S. Wdowinski, Strain rate patterns from dense GPS networks, Natural Hazards and Earth System Sciences, 9, 1177–1187, 2009.

Osmanoglu, B., Wdowinski, S., Dixon, T. H., & Biggs, J., InSAR phase unwrapping based on extended Kalman filtering. In *Radar Conference, 2009 IEEE* (pp. 1-4). IEEE, 2009.

2008 Kim, S.-W., S. Wdowinski, T.H. Dixon, F. Amelung, J. Won, J. Kim, InSAR-based Mapping of Surface Subsidence using JERS-1 and ENVISAT SAR Data in Mokpo City, Korea, Earth and Planets Space, 60, 453-461, 2008.

Wdowinski, S., S.-W. Kim, F. Amelung, T. Dixon, F. Miralles-Wilhelm, and R. Sonenshein, Space-based detection of wetlands surface water level changes from L-band SAR interferometry, *Remote Sensing for Environment*,112/3, 681-696, 2008

2007 Wdowinski, S., B. Smith, Y. Bock, and D. Sandwell, Diffuse intersesimic deformation across the Pacific-North America plate boundary, Geology, 35, 311-314, 2007.

2006 Dixon, T., F. Amelung, A. Ferretti, F. Novali, F. Rocca, R. Dokka, G. Sella, S. Kim, S. Wdowinski, D. Whitman, Subsidence and flooding in New Orleans, Nature, 441, 587-588, 2006.

Wdowinski, S., Z. Ben-Avraham, R. Arvidsson, and G. Ekstrom, Seismo-tectonics of the Cyprian Arc, Geophys. J. Int., 164, 176-181, 10.1111/j.1365-246X.2005.02737.x, 2006.

2005 Kim, S., S. Wdowinski, F. Amelung, and T. Dixon, C-Band Interferometric SAR Measurements of Water Level Change in the Wetlands: Examples from Florida and Louisiana, IGARSS 2005: IEEE International Geosciences and Remote Sensing Symposium, Vols 1-8, Proceedings, 2005.

2004 Wdowinski, S., Y. Bock, G. Baer, L. Prawirodirdjo, N. Bechor, S. Naaman, R. Knafo, Y. Forrai, Y. Melzer, GPS Measurements of Current Crustal Movements along the Dead Sea Fault, J. Geophys. Res., 109, 10.1029/2003JB002640, 2004b.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, Space-based measurements of sheet-flow characteristics in the Everglades wetland, Florida, Geophys. Res. Lett., 31, L15503, 10.1029/2004GL020383, 2004a.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, InSAR-based hydrology of the Everglades, South Florida, Geoscience and Remote Sensing Symposium, 2004. IGARSS '04. Proceedings. 2004 IEEE International, Vol.3, Iss., 20-24 Sept., 1870-1973, 2004.

2003 Matmon, A., S. Wdowinski, and J. Hall, Morphological and Structural relations in the Galilee extensional domain, northern Israel, Tectonophys., 371, 223-241, 2003.

2002 Baer, G., U. Schattner, D. Waches, D. Sandwell and S. Wdowinski, The lowest place on Earth is subsiding – an INSAR perspective, Geol. Soc. Am. Bull., 114, 12-23, 2002.

Pe'eri, S., S. Wdowinski, A. Stibelman, N. Bechor, Y. Bock, and M. van Domselaar, Current deformation across the Dead Sea Fault, as observed from three years of continuous GPS Monitoring, Geophys. Res. Lett., 10.1029/2001GL013879, 2002.

2001 Wdowinski, S., Y. Bock, Y. Forrai, Y. Melzer and G. Baer, The GIL network of continuous GPS monitoring in Israel for geodetic and geophysical applications, Isr. J. Earth Sci., 50, 39-47, 2001b.

Sivan, D., S. Wdowinski, K. Lamback, E. Galili and A. Raban, Holocene sea-level changes along the Mediterranean coast of Israel, based on archaeological observations and numerical models, Paleogeography, Paleoclimatology, Paleoecology, 167, 101-117, 2001.

Naaman, S., Alperovich, L.S., Wdowinski, S., Hayakawa, M. and Calais, E., 2001. Comparison of simultaneous variations of the ionospheric total electron content and geomagnetic field associated with strong earthquakes. *Natural Hazards and Earth System Science*, *1*(1/2), pp.53-59.

Wdowinski, S., Y. Sudman and Y. Bock, Geodetic detection of active faults in southern Californai, Geophys. Res. Lett. 28, 2321-2324, 2001a.

2000 Genrich, J.F., Y. Bock, R. McCaffrey, L. Prawirodirdjo, C.W. Stevens, S.S.O. Puntodewo, C. Subarya, and S. Wdowinski, Distribution of slip at the Northern Sumatra Fault System, J. Geophys. Res., 105, 28,327-28,342, 2000.

1998 Arvidsson, R., Z. Ben-Avraham, G. Ekstrom, and S. Wdowinski, Plate tectonics framework for the Mw=6.8, October 9, 1996, Cyprus earthquake and the seismic energy release of the Cyprean Arc, Geophy. Res. Let., 25, 2241-2244, 1998.

Wdowinski, S., A new class of transform plate boundary, Phys. Chem. Earth, 23, 7,775-7,783, 1998.

1997 Wdowinski, S., and E. Zilberman, Systematic analyses of the large scale topography and structure across the Dead Sea Rift, Tectonics, 16, 409-424, 1997.

Bock, Y., S. Wdowinski, P. Fang, J. Zhang, J. Behr, J. Genrich, D. Agnew, F. Wyatt, H. Johnson, K. Hudnut, K. Stark, S. Dinardo, W. Young, and W. Gurtner, Southern California Permanent GPS geodetic array: Continuous measurements of crustal deformation, J. Geophys. Res., 102, 18,013-18,034, 1997.

Zhang, J., Y. Bock, H. Johnson, P. Fang, S. Wdowinski, J. Genrich, J. Behr, Southern California Permanent GPS geodetic array: Error analysis of daily position estimates and site velocities, J. Geophys. Res., 102, 18,035-18,056, 1997.

Wdowinski, S., Y. Bock, J. Zhang, and P. Fang, Southern California Permanent GPS geodetic array: Spatial filtering of daily positions for estimating coseismic and postseismic displacements induced by the 1992 Landers earthquake, J. Geophys. Res., 102, 18,057-18,070, 1997.

Wdowinski, S., A theory of intraplate tectonics, J. Geophys. Res., 103, 5037-5059, 1997.

1996 Wdowinski, S., and E. Zilberman, Kinematic modeling of large-scale structural asymmetry across the Dead Sea Rift, Tectonophysics, 266, 187-201, 1996.

1994 Wdowinski, S., and Y. Bock, The evolution of deformation and topography of high elevated plateaus: 1. Model, numerical analysis, and general results, J. Geophys. Res., 99, 7103-7119, 1994b.

Wdowinski, S., and Y. Bock, The evolution of deformation and topography of high elevated plateaus: 2. Application to the Central Andes, J. Geophys. Res., 99, 7121-7130, 1994a.

Puntodewo, S.S.O., R. McCaffrey, E. Calais, Y. Bock, J. Rais, C. Subarya, R. Poewariardi, C. Stevens, J. Genrich, Fauzi , P. Zwick and S. Wdowinski, GPS measurements of crustal deformation within the Pacific-Australia plate boundary zone in Irian Jaya, Indonesia, Tectonophysics, 237, 141-153, 1994.

1993 Bock, Y., A. C. Agnew, P. Fang, J. F. Genrich, B. H. Hager, T. A. Herring, R. W. King, S. Larsen, J. B. Minster, K. Stark, S. Wdowinski, and F. K. Wyatt, Detection of coseismic deformation in Southern California using continuous Global Positioning System measurements, Nature, 361, 337-340, 1993.

Bock, Y., J. Zhang, P. Fang, J. Genrich, K. Stark, and S. Wdowinski, One year daily satellite orbit and polar motion estimation for near real time crustal deformation monitoring, in: Developments in Astrometry and their impact on astrophysics and geodynamics, Mueller I. I. and B. Kolaczek, eds., IAU, 279-284, 1993.

1992 Wdowinski, S. and G. J. Axen, 1992, Isostatic Rebound Due to Tectonic Denudation: A Viscous Flow Model of a Layered Lithosphere, Tectonics, 11, 303-315, 1992.

Wdowinski, S., Dynamically supported trench topography, J. Geophys. Res., 97, 17,651-17,656, 1992.

1991 Wdowinski, S. and R. J. O'Connell, Deformation of the Central Andes (15-27*S) derived from a flow model of subduction zones, J. Geophys. Res, 96, 12,245-12, 255, 1991.

1990 Wdowinski, S. and R. J. O'Connell, On the Choice of Boundary Conditions in Continuum Models of Continental Deformation, Geophys. Res. Let., 17, 2413-2416, 1990.

1989 Wdowinski, S, R. J. O'Connell, and P. England, Continuum models of continental deformation above subduction zones: Application to the Andes and the Aegean, J. Geophys. Res., 94, 10,331-10, 346, 1989.

Proceedings

2020 Robinson, T., Downs, C., Oliver-Cabrera, T., Zhang, B., Kruse, S., & Wdowinski, S. (2020). Relationships between Sinkhole-related features and activity and InSAR-detected Subsidence Points in West Central Florida.

Oliver-Cabrera, T., Wdowinski, S., Kruse, S., and Robinson, T.: InSAR Detection of Localized Subsidence Induced by Sinkhole Activity in Suburban West-Central Florida, Proc. IAHS, 382, 155–159, https://doi.org/10.5194/piahs-382-155-2020, 2020.

Wdowinski, S., Oliver-Cabrera, T., and Fiaschi, S.: Land subsidence contribution to coastal flooding hazard in southeast Florida, Proc. IAHS, 382, 207–211, https://doi.org/10.5194/piahs-382-207-2020, 2020.

Solano-Rojas, D. E., Wdowinski, S., Cabral-Cano, E., Osmanoglu, B., Havazli, E., and Pacheco-Martínez, J.: A multiscale approach for detection and mapping differential subsidence using multi-platform InSAR products, Proc. IAHS, 382, 173–177, https://doi.org/10.5194/piahs-382-173-2020, 2020.

Solano-Rojas, D., Cabral-Cano, E., Fernández-Torres, E., Havazli, E., Wdowinski, S., and Salazar-Tlaczani, L.: Remotely triggered subsidence acceleration in Mexico City induced by the September 2017 M_w 7.1 Puebla and the M_w 8.2 Tehuantepec September 2017 earthquakes, Proc. IAHS, 382, 683–687, https://doi.org/10.5194/piahs-382-683-2020, 2020.

2018 Zhang, B., Wdowinski, S., Oliver-Cabrera, T., Koirala, R., Jo, M. J., and Osmanoglu, B.: Mapping the Extent and Magnitude of Sever Flooding Induced By Hurricane Irma with Multi-temporal Sentinel-1 SAR and InSAR Observations, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-3, 2237-2244, https://doi.org/10.5194/isprs-archives-XLII-3-2237-2018, 2018.

Jo, M.-J., Osmanoglu, B., Zhang, B., and Wdowinski, S.: Flood Extent Mapping Using Dual-Polarimetric Sentinel-1 Synthetic Aperture Radar Imagery, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-3, 711-713, https://doi.org/10.5194/isprs-archives-XLII-3-711-2018, 2018.

2014 Brisco, B., F. Ahern, S-H Hong, S. Wdowinski, K. Murnaghan, L. White, and D.K Atwood, Polarimetric Decompositions of Temperate Wetlands at C-Band, Geoscience and Remote Sensing Symposium (IGARSS), 2014 IEEE International, 1171-1174, 2014.

2013 Atwood, D., S. Leinss, B. Matthiss, L. Jenkins, S. Wdowinski, and S-H Hong, Wave propagation model for coherent scattering from a randomly distributed traget, POLinSAR workshop proceedings, 2013.

Hong, S., S. Wdowinski, Double bounce component in cross-polarimetric SAR from a new scattering target decomposition, POLinSAR workshop proceedings, 2013.

Osmanoglu, B., Wdowinski, S., and Dixon, T. H.: 3-D synthetic aperture radar interferometry phase unwrapping using extended Kalman filters, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-7/W2, 185-187, https://doi.org/10.5194/isprsarchives-XL-7-W2-185-2013, 2013.

2011 Hong, S., S. Wdowinski, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands, Fringe workshop proceedings, 2011.

Wdowinski, S. and S-H. Hong, Postseismic deformation following the 2010 Haiti earthquake: Time-dependent surface subsidence induced by groundwater flow in response to a sudden uplift, Fringe workshop proceedings, 2011.

Cigna, F., O. B. Osmanoglu, E. Cabral-Cano, T. H. Dixon, and S. Wdowinski, Non-linear land subsidence in Morelia, Mexico, imaged through Synthetic Aperture Radar Interferometry, Fringe workshop proceedings, 2011.

Wdowinski, S. and S-H. Hong, Postseismic deformation following the 2010 Haiti earthquake: groundwater flow in response to a sudden uplift, Proceeding of the TerraSAR-X Science Workshop, 2011.

2009 S. Wdowinski, S-H Hong, S-W Kim, Small temporal baseline subset (STBAS): A new InSAR technique for multi-temporal monitoring wetland's water level changes, Fringe meeting proceedings, 2009.

Osmanoglu, B., S. Wdowinski, T. H. Dixon, J. Biggs, InSAR Phase Unwrapping Based on Extended Kalman Filtering, 2009 IEEE Radar Conference, 2009.

2008 Wdowinski, S., S-H Hong, S-W Kim, Evaluation of TerraSAR-X observations for Wetland InSAR application, IGARSS meeting proceedings, 2008.

S-H Hong, S. Wdowinski, S-W Kim, Small temporal baseline subset (STBAS): A new InSAR technique for multi-temporal monitoring wetland's water level changes, IGARSS meeting proceedings, 2008.

2006 Wdowinski, S., S. Kim, F. Amelung, and T. Dixon, Wetland InSAR: A new space-based hydrological monitoring tool of wetlands surface water level changes, GlobWetland Symposium proceedings, 2006.

2004 Sella, G.F., S. Stein, S. Wdowinski, T.H. Dixon, R.K. Dokka, GPS observations of Glacial Isostatic Adjustment in North America, in edited by T. van Dam and O. Francis, Proceedings of the workshop: The state of GPS vertical positioning precision: Separation of Earth processes by space geodesy, Cahiers du Centre Européen de Géodynamique et de Séismologie, 2004, v. 23.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, Wetland hydrology from space, Fringe meeting proceedings, ESA, 2004.

Chapters in Books

2020 Wdowinski S., van Dam T.M. (2020) Can Vertical GPS Displacements Serve As Proxies for Climate Variability in North America?. In: International Association of Geodesy Symposia. Springer, Berlin, Heidelberg

2017 Mitchum, G., A Dutton, D. P. Chambers, and S. Wdowinski, Sea level rise, in Edited by Chassignet, E.P., J.W. Jones, V. Misra, and J. Obeysekera, Florida's Climate: Changes, Variations, and Impacts, CreateSpace Independent Publishing Platform, Chapter 19, 557-578, 2017.

2015 Wdowinski, S. and S-H. Hong, Wetland InSAR: A review of the technique and applications, Edited by R.W. Tiner, M.W. Lang, and V.V. Klemas, Remote Sensing of Wetlands Applications and Advances, CRC Press, Pages 137–154, DOI: 10.1201/b18210-10, 2015.

2006 Weinberger R., Z.B. Begin, N. Waldman, M. Gardosh, G. Baer, A. Frumkin, and S. Wdowinski, Quaternary rise of the Sedom diaper, Dead Sea Basin, in Enzel, Y., A. Agnon, and M. Stein, New frontiers in the Dead Sea paleoenvironmental research: Geol. Soc. Am., special paper 401, 33-51, 10.1130/2006.2401, 2006.

Government Reports or Monographs

2000 Baer, G., U. Schattner, D. Waches, D. Sandwell and S. Wdowinski, The lowest place on Earth is subsiding – an InSAR perspective, Report GSI/36/2000, 1-13, 2000.

1994 Wdowinski, S., and E. Zilberman, A half-graben model for the formation of the Arava Valley segment of the Dead Sea Rift, Geol. Surv. Isr., Current Research, Vol. 9, 47-50, 1994.

1990 Wdowinski, S., Continuum models of continental deformation (Ph.D. thesis), Harvard University, 1-137, 1990.

1985 Wdowinski, S., The geology of the southern Hebron Mountains (M.Sc. thesis - in Hebrew), Geol. Surv. Isr., Report GSI/25/85, 1-68, 1985.

1984 Wdowinski, S., The lithostratigraphy of the Upper Judea Group in the Ira Mts. and its correlation with that of the Judea Mts. and the northern Negev, Geol. Surv. Isr., Current Research, 42-45, 1984.

Book Reviews – N/A

OTHER PUBLICATIONS

2012 Wdowinski, S., New insights into the great rumble, WWW.RESEARCHMEDIA.EU, 2012.

2006 Wdowinski, S., S. Kim, F. Amelung, and T. Dixon, InSAR-based hydrology of wetlands, ASF News and Notes, 2006.

2000 Kempler, D. and S. Wdowinski, Closing the Sea (in Hebrew), Galileo, 39, 2000, 38-43.

1999 Wdowinski, S., Y. Bock Y. Melzer, Y. Forrai, G.Baer and D. Levitte, A network of permanent GPS stations for estimating seismic hazard (in Hebrew), Et-Moded, 1999, 12, 14-15.

PRESENTED PAPERS, AND LECTURES

2020 Li, S., S. Wdowinski, G. Ruetenik, and K. Ferrier, Investigating triggering relations among typhoon, landslides and earthquakes in Central Taiwan, Abstract NH024-08, presented at 2020 Fall Meeting, AGU, 2020.

Robinson, T., B. A. Rogers, T. Oliver-Cabrera, B. Zhang, S. Kruse, and S. Wdowinski, Complex relationships between surface deformation, surface topography, and top-of-limestone surface in the covered karst Sandhill Reservation, West-central Florida, Abstract NS011-03, presented at 2020 Fall Meeting, AGU, 2020.

Zhang, B., L. Lamb-Wotton, K. Ishtiaq, D. Gann, S. Wdowinski, T. Troxler, E. Swain, Space-based monitoring of water depth and soil salinity over collapsing peat marshes using Sentinel-1 SAR amplitude observations, Abstract EP042-08, presented at 2020 Fall Meeting, AGU, 2020.

Wdowinski, S., Direct and indirect wind impacts on coastal sea level along the US Atlantic and Gulf shorelines, Abstract OS003-02, presented at 2020 Fall Meeting, AGU, 2020.

2019 Liao, H., R.F. Garcia, and S. Wdowinski, High spatial resolution 2D wetland surface water flow modeling in the Everglades, Florida, constrained by Interferometric SAR observations, Abstract H31N-1950, presented at 2019 Fall Meeting, AGU, 2019.

Robinson, T., C. M, Downs, T. Oliver-Cabrera, B. Zhang, S. Kruse and S. Wdowinski, Relationships between InSAR-detected Subsidence Points in West-Central Florida and Geomorphological features (such as wetlands, ponds and swallets) of Sinkhole-related activity, Abstract H41N-1805, presented at 2019 Fall Meeting, AGU, 2019.

Wdowinski, S., Coherent saptio-temporal variations in the rate of sea level rise along the US Atlantic and Gulf coasts, Abstract OS21A-07, presented at 2019 Fall Meeting, AGU, 2019.

Zhang, B. and S. Wdowinski, Space-based monitoring of wetland surface water levels using Sentinel-1 SAR backscattering observations, Abstract H330-2225, presented at 2019 Fall Meeting, AGU, 2019.

Chavez, S., S. Wdowinski, D. Lagomasino, T. Fatoyinbo, B. Cook, E. Castaneda, R.P. Moyer, K. Radabaugh, and J. Smoak, Observing Changes in the Mangrove Forests of the South Florida Everglades following Hurricane Irma using Remote Sensing Measurements, Abstract B11E-2379, presented at 2019 Fall Meeting, AGU, 2019.

Li., S., S. Wdowinski, G. Ruetenik, and K. Ferrier, Numerical Modeling of Earthquake Triggering Due to Erosion Unloading in Central Taiwan, Abstract S13D-0470, presented at 2019 Fall Meeting, AGU, 2019.

Tarso Setti Jr., P., S. Wdowinski, C. M. da Silva, D. B. Marra Alves, and V. M., Tachibana, Multivariate Analysis of Vertical GPS Time Series Calculated by Seven Processing Centers Used to Characterize Vertical Crustal Movements, Abstract G21B-0737, presented at 2019 Fall Meeting, AGU, 2019.

Zhai, Q., Z. Peng, K. Chao, Y-M Wu, Y-J Hsu, and S. Wdowinski, Potential triggering relationship between the 2009 Typhoon Morakot and earthquakes in Taiwan, Abstract S31D-0468, presented at 2019 Fall Meeting, AGU, 2019.

Wdowinski, S., D. Solano-Rojas, E. Cabral-Cano, E. Havazli, B. Osmanoglu, Satellite-based Ground and Infrastructure Stability Evaluations Regarding Multi-Scale Subsidence Processes over Mexico City, TerraSAR-X / TanDEM-X Science Team Meeting, DLR Oberpfaffenhofen, Germany, 2019.

Hong, S-H, S. Wdowinski, and S-W Kim, Extraction of Absolute Water Level in the Florida Everglades Using TanDEM-X Bistatic Science Phase Observations with a Large Perpendicular Baseline, TerraSAR-X / TanDEM-X Science Team Meeting, DLR Oberpfaffenhofen, Germany, 2019.

Wdowinski, S., T. Oliver-Cabrera, B. Zhang, S. Kruse, and T. Robinson, Detection of Sinkhole Activity in Central Florida Using High Spatial-Resolution TerraSAR-X InSAR Time Series Observations, TerraSAR-X / TanDEM-X Science Team Meeting, DLR Oberpfaffenhofen, Germany, 2019.

Li, S. and S. Wdowinski, Earthquake triggering in Central Taiwan, abstract IUGG19-0556, IUGG General Assembly, Montreal, Canada, 2019.

Campbell, L. and S. Wdowinski, Intraplate and plate boundary deformation in the South American Plate, abstract IUGG19-4158, IUGG General Assembly, Montreal, Canada, 2019.

Wdowinski, S., and T. van Dam, Vertical GPS time series observations as proxies of regional-scale climate change, abstract IUGG19-1097, IUGG General Assembly, Montreal, Canada, 2019.

Wdowinski, S., and H. Liao, and B. Zhang, Space-based hydrological monitoring of the entire Everglades using Sentinel-1 observations, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2019.

Liao, H. and S. Wdowinski, Space-based monitoring of water level changes in Everglades with Sentinel-1 InSAR observation, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2019.

Zhang, B. and S. Wdowinski, Space-based monitoring of temporal water level variations in the south Florida Everglades ecosystem using Sentinel-1 SAR observations, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2019.

Chaves, S. and S. Wdowinski, Determining coarse woody debris in mangrove forest of the Florida Everglades after Hurricane Irma using airborne LiDAR imagery, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2019.

Olivas, P.C., D. Gann, J.H. Richards, K. Zhang, and S. Wdowinski, Optimization of LiDAR data processing algorithms for wetland graminoid marsh and prairie vegetation, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2019.

2018 Campbell, L.S.M., and S. Wdowinski, Revisiting the Theory of Intraplate Tectonics: Case Study of the South American Plate, Abstract G23C-0625, presented at 2018 Fall Meeting, AGU, 2018.

Oliver-Cabrera, T. and S. Wdowinski, Monitoring coastal subsidence in Miami-Dade county, Florida, using Sentinel-1 InSAR time series and GPS observations, Abstract OS51E-1305, presented at 2018 Fall Meeting, AGU, 2018.

Liao, H., and S. Wdowinski, Exploration of Sentinel-1 InSAR observations for Monitoring Water Level Changes in Everglades Florida, Abstract G43C-0725, presented at 2018 Fall Meeting, AGU, 2018.

Zhai, Q., Z. Peng, K. Chao, Y.M. Wu, Y.J. Hsu, and S. Wdowinski, Triggering relationship between earthquakes and the 2009 Typhoon Morakot in southern Taiwan, Abstract T23A-0341, presented at 2018 Fall Meeting, AGU, 2018.

Zhang, B., S. Wdowinski, T. Oliver-Cabrera, T. Robinson, S. Kruse, and D. Perissin, Monitoring Surface Stability of Remediated Sinkholes in Western Central Florida using PSInSAR Technique and Sentinel-1 Observations, Abstract G21C-0574, presented at 2018 Fall Meeting, AGU, 2018.

Li, S. and S, Wdowinski, Probing Coulomb Stress Triggering Effects for ML >= 5.5 earthquakes in Taiwan Central Mountain Area, Abstract T31A-07, presented at 2018 Fall Meeting, AGU, 2018.

Robinson, T., S. Kruse, S. Wdowinski, T. Oliver-Cabrera, B. Zhang, B. Hyun Nam, and R. Shamet, Comparison of Interferometric Synthetic Aperture Radar (InSAR)-derived subsidence time series with ground-based estimates of sinkhole activity, west-central Florida, USA, Abstract NH31E-1017, presented at 2018 Fall Meeting, AGU, 2018.

Wdowinski, S., Z. Peng, K. Ferrier, C-H Lin, Y-J Hsu, and B. Shyu, Cascading hazards: Understanding triggering relations between wet tropical cyclones, landslides, and earthquakes, Abstract SS07, presented at 2018 Asia Oceania Geosciences Society (AOGS), 2018.

Solano Rojas, D.E., E. Havazli, E. Cabral-Cano, and S. Wdowinski, Remotely-triggered Slip in Mexico City Induced by the September 2017 Mw=7.1 Puebla Earthquake, presented at 2018 Seismological Society of America, 2018.

Zhang, B., Wdowinski, S., Oliver-Cabrera, T., Koirala, R., Jo, M. J., and Osmanoglu, B.: Mapping the Extent and Magnitude of Sever Flooding Induced By Hurricane Irma with Multi-temporal Sentinel-1 SAR and InSAR Observations, International Society for Photogrammetry and Remote Sensing (ISPRS)Technical Commission III Symposium on "Developments, Technologies and applications in Remote Sensing", Beijing, China, 2018.

Jo, M.-J., Osmanoglu, B., Zhang, B., and Wdowinski, S.: Flood Extent Mapping Using Dual-Polarimetric Sentinel-1 Synthetic Aperture Radar Imagery, International Society for Photogrammetry and Remote Sensing (ISPRS)Technical Commission III Symposium on "Developments, Technologies and applications in Remote Sensing", Beijing, China, 2018.

Hazvali, E., S. Wdowinski, and F. Amelung, Interseismic deformation across the Ganos Fault segment of the North Anatolian Fault Zone derived from InSAR observations, UNAVCO Science Workshop, 2018.

Orhan, O., T. Oliver-Cabrera, S. Wdowinski, and M. Yakar, Land Subsidence Monitoring by InSAR Time Series Observations in Karapınar, Turkey, UNAVCO Science Workshop, 2018.

2017 Wdowinski, S., Z. Peng, K. Ferrier, C-H Lin, Y-J Hsu, and B. Shyu, Cascading hazards: Understanding triggering relations between wet tropical cyclones, landslides, and earthquakes, Abstract T53C-02, presented at 2017 Fall Meeting, AGU, 2017.

Brothelande, E. F. Amelung, S. Wdowinski, and Y. Zhang, Volcano interactions and coupling: insights from Japan and the Galapagos, Abstract V31C-0523, presented at 2017 Fall Meeting, AGU, 2017.

Lu, Q., F. Amelung and S. Wdowinski, Deglaciation-induced uplift and seasonal variations patterns of bedrock displacement in Greenland ice sheet margin observed from GPS, GRACE and InSAR, Abstract G31A-0888, presented at 2017 Fall Meeting, AGU, 2017.

Solano Rojas, D.E., E. Havazli, E. Cabral-Cano, and S. Wdowinski, Remotely-triggered Slip in Mexico City Induced by the September 2017 Mw=7.1 Puebla Earthquake, Abstract S32D-07, presented at 2017 Fall Meeting, AGU, 2017.

Solano Rojas, D.E., S. Wdowinski, E. Cabral-Cano, and B. Osmanoglu, Differential subsidence in Mexico City and implications to its Collective Transport System (Metro), Abstract NH32A-08, presented at 2017 Fall Meeting, AGU, 2017.

Oliver-Cabrera, O. and S. Wdowinski, InSAR-based detection of McKenzie River Delta Permafrost loss, Abstract C21F-1177, presented at 2017 Fall Meeting, AGU, 2017.

Oliver-Cabrera, T., S. Wdowinski, S. Kruse, and H. G. Kiflu, H., Using InSAR to Observe Sinkhole Activity in Central Florida, Abstract U24B-04, presented at 2017 Fall Meeting, AGU, 2017.

Kiflu, H., T. Oliver-Cabrera, T. Robinson, S. Wdowinski, and S. Kruse, Monitoring and modeling of sinkhole-related subsidence in west-central Florida mapped from InSAR and surface observations, Abstract NH31B-0222, presented at 2017 Fall Meeting, AGU, 2017.

Havazli, E., S. Wdowinski, and F. Amelung, Interseismic Strain Accumulation of the Gazikoy-Saros segment (Ganos fault) of the North Anatolian Fault Zone, Abstract G43B-0933, presented at 2017 Fall Meeting, AGU, 2017.

Zhang, B., R. Koirala, T. Oliver-Cabrera, S. Wdowinski, and B. Osmanoglu, Mapping the Extent and Magnitude of Severe Flooding Induced by Hurricanes Harvey, Irma, and Maria with Sentinel-1 SAR and InSAR Observations, Abstract NH23E-2876, presented at 2017 Fall Meeting, AGU, 2017.

Wdowinski, S., P. Setti, and T. van Dam, Crustal response to climate change, Abstract G05-3-2, presented at the IAG-IASEI joint assembly, Kobe, Japan, 2017

Mora-Páez [1], T. Sagiya, T. Ito, F. Díaz-Mila, E. Chaussard, and S. Wdowinski, Detection and Measurement of Land Subsidence Using InSAR and GPS in the Sabana de Bogotá, Colombia, South America, Abstract J09-5-2, presented at the IAG-IASEI joint assembly, Kobe, Japan, 2017

Jaramillo, F., A. Guittard, S-W Hong, and S. Wdowinski, Using wetland InSAR for understanding underperformance of mangrove restoration plans in the Ciénaga Grande de Santa Marta, Colombia, Abstract 1319, presented at the SWS 2017 Annual Meeting, Puerto Rico, 2017.

Jaramillo, F., L. Licero, I. Åhlen, A. Guittard, J. Alexandra Rodríguez-Rodríguez, J. Bolaños, S. Manzoni, J. Jawitz, S. Wdowinski, O. Martinez, L. Fernanda Espinosa, Climatic and human drivers of salinity fluctuations and effects on mangrove recovery, Abstract 1322, presented at the SWS 2017 Annual Meeting, Puerto Rico, 2017.

Hong, S-H, S. Wdowinski, F. Amelung, J-S Won, and H-C Kim, Using TanDEM-X observations for extracting glacier and sea-ice topographies, Fringe meeting, Helsinki, Finland, 2017.

Lu, Q., F. Amelung, and S. Wdowinski, Deglaciation-induced uplift of the Petermann glacier ice margin observed with InSAR, Fringe meeting, Helsinki, Finland, 2017.

Oliver, T., S. Wdowinski, and S. Kruse, Detection of Sinkhole Activity in Central Florida with High Spatial-Resolution InSAR Time Series Observations, Fringe meeting, Helsinki, Finland, 2017.

Solano-Rojas, D.E., F. Amelung, S. Wdowinski, and E. Cabral-Cano, Enrique, InSAR Monitoring of the Popocatepetl Volcano in Central Mexico, Fringe meeting, Helsinki, Finland, 2017.

Havazli, E. and S. Wdowinski, The Impact of Temporal and Geometrical Phase Decorrelations on the Uncertainty Level of InSAR Time Series Estimations, Fringe meeting, Helsinki, Finland, 2017.

Hong, S-H and S. Wdowinski, Evaluation of space-based wetland InSAR observations with Sentinel-1 interferometric wide (IW) swath mode, Fringe meeting, Helsinki, Finland, 2017.

Havazli, E. and S. Wdowinski, The Effect of Temporal Resolution Due to Atmospheric Phase Delay on Minimum Detectable Signal in InSAR Time Series: Application to Slow Deformation over Socorro Magma Body, Fringe meeting, Helsinki, Finland, 2017.

Wdowinski, S., G. Mitchum, and P. Thompson, Decadal-scale variations in the coupling between sea level along the Florida Atlantic coast and the strength of the Florida Current, Workshop on the *Effects of Gulf Stream Variations on Sea Levels along the Eastern Coast*, South Florida Water Management District in West Palm Beach, Florida

Feliciano, E. A., S. Wdowinski, M. D. Potts, S-K Lee, and T. E. Fatoyinbo, Estimating Mangrove Canopy Height and Above-Ground Biomass in the Everglades National Park with Airborne LiDAR and TanDEM-X Data, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2017.

Reyes, V., S. Wdowinski, and E. Feliciano, Seven decades of mangrove expansion along coastal Everglades: A remote sensing approach, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2017.

Wdowinski, S., and S-H Hoon, Space-based monitoring of water level changes in the entire Everglades using Sentinel-1 InSAR observations, Greater Everglades Ecosystem Restoration meeting, Coral Springs, FL, 2017.

2016 Lu, Q., F. Amelung, and S. Wdowinski, Deglaciation-induced uplift of the Petermann glacier ice margin observed with InSAR, Abstract C33C-0838, presented at 2016 Fall Meeting, AGU, 2016.

Setti, P., and S. Wdowinski, A Systematic Comparison of Vertical GPS Time Series Calculated by Five Processing Centers for Detecting Climatic-Induced Crustal Movements, Abstract G11A-1062, presented at 2016 Fall Meeting, AGU, 2016.

Wdowinski, S., P. Setti, and T. van Dam, Extracting the climatic signal from vertical GPS time series, Abstract G13C-04, presented at 2016 Fall Meeting, AGU, 2016.

Havazli, E., S. Wdowinski, and, F. Amelung, The effect of temporal resolution on detection threshold of InSAR time series: Application to Socorro Magma Body, Abstract G23A-1030, presented at 2016 Fall Meeting, AGU, 2016.

Oliver-Cabrera, T., S. Wdowinski, and S. Kruse, Detection of Sinkhole Activity in Central Florida with High Spatial-Resolution InSAR Time Series Observations, Abstract G43A-1049, presented at 2016 Fall Meeting, AGU, 2016.

Solano-Rojas, D.E., S. Wdowinski, P.S. Minderhoud, J. Pacheco, and E. Cabral, Subsidence Modeling of the Over-exploited Granular Aquifer System in Aguascalientes, Mexico, Abstract H43K-1641, presented at 2016 Fall Meeting, AGU, 2016.

Germanovich, L.N., Z. Reches, B. Carpenter, A. Ghassemi, S. Wdowinski, and G. Baer, Tectonic and Anthropogenic Effects on Increased Intraplate Seismicity: The Oklahoma Case Abstract S22B-04, presented at 2016 Fall Meeting, AGU, 2016.

Oliver-Cabrera, T., S. Wdowinski, and S. Kruse, Space-based detection of sinkhole activity in central Florida, Abstract 27, TerraSAR-X/TanDEM-X Science Team Meeting, German Aerospace Center (DLR), Germany, 2016.

Solano-Rojas, D., S. Wdowinski, Y. Zhang, Y. Torres, and E. Cabral-Cano, Differential subsidence analysis over the Collective Transport System (Metro) in Mexico City using X-band SAR scenes from TSX and CSK, Abstract 28, TerraSAR-X/TanDEM-X Science Team Meeting, German Aerospace Center (DLR), Germany, 2016.

Hong, S-H, H-C. Kim, S. Wdowinski, F. Amelung, and J-S. Won, Using TanDEM-X observations for extracting glacier and sea-ice topographies, Abstract 9, TerraSAR-X/TanDEM-X Science Team Meeting, German Aerospace Center (DLR), Germany, 2016.

Hong, S-H, S. Wdowinski, and D. Atwood, Evaluation of interferometric coherence over snow/ice-covered areas with space-based quadruple polarimetric X-band synthetic aperture radar, Abstract 10, TerraSAR-X/TanDEM-X Science Team Meeting, German Aerospace Center (DLR), Germany, 2016.

Fiasche, S., and S. Wdowinski, The contribution of land subsidence to the increasing coastal flooding hazard in Miami Beach, 3rd Sea-Level-Summit, Fort Lauderdale, FL, 2016.

Fiasche, S, and S. Wdowinski, The contribution of land subsidence to the increasing coastal flooding hazard in Miami Beach, 2nd International Workshop on Coastal Subsidence, Venice, Italy, 2016.

Havazli, E., S. Wdowinski, and F. Amelung, How well can InSAR detect slow deformation: Application to the slow uplift of Socorro Magma Body, New Mexico, UNAVCO Science Workshop, 2016.

Solano-Rojas, S. Wdowinski, E. Cabral-Cano, Y. Zhang, and Y. Torres, Differential subsidence in Mexico City and its consequences to the Collective Transport System (Metro), UNAVCO Science Workshop, 2016.

2015 Wdowinski, S., P. Thompson, G. Mitchum, and J. Park, Decadal-scale sea level rise acceleration along the Florida Atlantic coast and its relations to sea level variability along the Florida Current, Abstract G43B-1044 presented at 2015 Fall Meeting, AGU, 2015.

Oliver-Cabrera, T., S. Kruse, and S. Wdowinski, Space-based detection of sinkhole activity in central Florida, Abstract NH43A-1865 presented at 2015 Fall Meeting, AGU, 2015.

Havazli, E., S. Wdowinski, and F. Amelung, Possible Time Dependent Deformation over Socorro Magma Body from GPS and InSAR, Abstract G-1089 presented at 2015 Fall Meeting, AGU, 2015.

Solano-Rojas, S. Wdowinski, E. Cabral-Cano, Y. Zhang, and Y. Torres, Differential subsidence in Mexico City and its consequences to the Collective Transport System (Metro), Abstract PA21B-2165 presented at 2015 Fall Meeting, AGU, 2015.

Wdowinski, S., R. Bray, B. Kirtman, and Z. Wu, Recurrence flooding in Miami Beach as an indicator of accelerating rates of sea level rise in south Florida, G08 Sea level observation and modeling, IUGG meeting, Prague, Czech Republic, 2015.

Wdowinski, S., E. Cabral-Cano, D. Solano-Rojas, T. Oliver-Cabrera, J. Pacheco-Martínez, and L. Salazar-Tlaczani, G07 Geohazard monitoring, IUGG meeting, Prague, Czech Republic, 2015.

Wdowinski, S., A. Brioche, E. Feliciano, and S-H Hong, Mangrove colonization patterns and rates along the coastal Everglades, GEER meeting, 2015.

Wdowinski, S., S-H Hong, O. Talib, and B. Brisco, InSAR for water level monitoring in the Everglades wetlands, GEER meeting, 2015.

Pritchard, M. E. Fielding, S. Wdowinski, S. Baker, and members, InSAR results from the WInSAR Consortium, Fringe meeting, ESA, Frascati, Italy, 2015.

Cabral-Cano, E., D. Solano-Rojas, T. Oliver-Cabrera, S. Wdowinski, E. Chaussard, L. Salazar-Tlaczani, F. Cigna, C. DeMets, and J. Pacheco-Martínez, Subsidence and associated shallow faulting hazard assessment in central Mexico using InSAR and GPS, Fringe meeting, ESA, Frascati, Italy, 2015.

Hong, S-H., S. Wdowinski, and D. Atwood, Evaluation of Space-based Wetland InSAR Observations over the Cienaga Grande de Satnta Marta (CGSM), Colombia, Fringe meeting, ESA, Frascati, Italy, 2015.

Wdowinski, S. T. Oliver, S-H. Hong, and B. Brisco, InSAR Monitoring of Tide Propagation through Coastal Wetlands, Fringe meeting, ESA, Frascati, Italy, 2015.

Hong, S-H., S. Wdowinski, D. Atwood, and J-W. Park, and Jeong-Won, Evaluation of Interferometric Coherence over Polar Regions with Space-based Quadruple Polarimetric Synthetic Aperture Radar, Fringe meeting, ESA, Frascati, Italy, 2015.

Wdowinski, S., R. Bray, B. Kirtman, and Z. Wu, Recurrence flooding in Miami Beach as an indicator of accelerating rates of sea level rise in south Florida, FCE LTER All Scientists Meeting, 2015.

Feliciano, E., S. Wdowinski, M. Potts, T. Fatoyinbo, and S-K Lee, Estimating Mangrove Canopy Height and Above-Ground Biomass in Everglades National Park with Airbone LiDAR and TanDEM-X Data, FCE LTER All Scientists Meeting, 2015.

2014 Fattahi, H., F. Amelung, E. Chaussard, S. Wdowinski, and T. Dixon, Characterizing seismic and aseismic deformation along the Chaman fault system with InSAR, Abstract G11A-0463 presented at 2014 Fall Meeting, AGU, 2014.

Zhang, W., F. Amelung, T. Dixon, And S. Wdowinski, Sensing the bed-rock movement due to ice unloading from space using InSAR time-series, Abstract C21B-0322 presented at 2014 Fall Meeting, AGU, 2014.

Schmalzle, G. and S. Wdowinski, A Unified Geodetic Vertical Velocity Field (UGVVF), Version 1.0, Abstract G23B-0477 presented at 2014 Fall Meeting, AGU, 2014.

Oliver-Cabrera, T. and S. Wdowinski, InSAR-Detected Tidal Flow in Louisiana's Coastal Wetlands, Abstract G43A-0505 presented at 2014 Fall Meeting, AGU, 2014.

Havazli, E., S. Wdowinski, and B. Osmanoglu, 3-D InSAR Phase Unwrapping with Extended Kalman Filter: Applications to interseismic deformation detection across the North Anatolian and San Andreas Fault zones, Abstract G31A-0392 presented at 2014 Fall Meeting, AGU, 2014.

Solano-Rojas, D., E. Cabral-Cano, S. Wdowinski, A. Hernaandez Espriu, G. Falorni, and A. Bohane, Subsidence hazard and risk assessments for Mexico City: An interdisciplinary analysis of satellite-derived subsidence map (PSInSAR) and census data, Abstract NH53B-3894 presented at 2014 Fall Meeting, AGU, 2014.

Feliciano, E., S. Wdowinski, M. Potts, T. Fatoyinbo, and S-K Lee, Estimating Mangrove Canopy Height and Above-Ground Biomass in Everglades National Park with Airbone LiDAR and TanDEM-X Data, Abstract B51C-0039 presented at 2014 Fall Meeting, AGU, 2014.

Wdowinski, S., R. Bray, B. Kirtman, and Z. Wu, Recurrence flooding in Miami Beach as an indicator of accelerating rates of sea level rise along the US Atlantic coast, Abstract OS33C-1089 presented at 2014 Fall Meeting, AGU, 2014.

Cabral-Cano, E., D. Solano Rojas, T. Oliver-Cabrera, L. Salazar-Tlaczani, S. Wdowinski, C. DeMets and J. Pacheco, Subsidence and associated shallow faulting hazard assessment in central Mexico using InSAR and GPS, Abstract G41A-0471 presented at 2014 Fall Meeting, AGU, 2014.

Pacheco, J., E. Cabral, S. Wdowinski, M. Hernandez-Marin, J. Ángel Ortíz, D. Solano Rojas, and T. Oliver-Cabrera, Numerical modeling of land subsidence due to groundwater withdrawal in Aguascalientes Valley using regional coefficients of deformation determined by InSAR analysis, Abstract H33A-0782 presented at 2014 Fall Meeting, AGU, 2014.

Atwood, D., Matthiss, B, S. Wdowinski, and S-H. Hong, A model for coherent backscatter from diffuse targets, IGARSS meeting, abstract MOP.B, 2014.

Wdowinski, S., S-H Hong, and B. Brisco, InSAR for water level monitoring in the Everglades wetlands, South Florida, IGARSS meeting, abstract TU4.05.2, 2014.

Ahern, F., B. Brisco, K. Murnaghan, L. White, Wdowinski, S., S-H Hong, and D. Atwood, Polsar imaging of wetlands: New insights into backscatter physics, IGARSS meeting, abstract TU4.05.4, 2014.

Hong, S-H., H-O. Kim, and S. Wdowinski, Wetland classification based on polarimetric SAR decompositions, IGARSS meeting, abstract THP.X.143, 2014.

Osmanuglu, B., S. Wdowinski, and T.H. Dixon, 3-D InSAR phase unwrapping with extended Kalman filters, IGARSS meeting, abstract WE2.01.2, 2014.

Havazli E., Wdowinski S., Osmanoglu B., "InSAR Phase Unwrapping with Extended Kalman Filtering: Application to the Ismetpaa segment of North Anatolian Fault Zone", WEGENER 2014, 17th General Assembly of WEGENER on earth deformation and the study of earthquakes using geodesy and geodynamics, 1 – 5 September 2014, Leeds, UK

Solano, D., S. Wdowinski, E. Cabral-Cano, and E. Shaussard, InSAR detection of Land subsidence in South American metropolitans, UNAVCO Science Workshop, 2014.

Havazli, E., F. Amelung, S. Wdowinski, and H. Fattahi, Inter-seismic strain accumulation and creep distribution along the Ismetpasa Section of the North Anatolian Fault Zone, UNAVCO Science Workshop, 2014.

Oliver, T. and S. Wdowinski, InSAR monitoring of tide propagation through Louisiana's coastal wetlands, UNAVCO Science Workshop, 2014.

Schmalzle, G. and S. Wdowinski, A refined, interseismic geodetic vertical velocity field, UNAVCO Science Workshop, 2014.

Hong, S-H., and S. Wdowinski, Wetland classification based on polarimetric SAR decompositions, International Symposium on Remote Sensing, ISRS, Busan, Korea 2014.

Wdowinski, S., S-H. Hong, A. Mulcan, and B. Brisco, Spatial patterns of tide-induced water level changes in the western Everglades, Everglades Coalition Conference, Naples, 2014.

2013 Voss, N. K., and S. Wdowinski, The Role of Seismic Directivity in Tele-seismically Induced Well Level Oscillations, Abstract H43C-1457 presented at 2013 Fall Meeting, AGU, 2013.

Wdowinski, S., F. Greene, and F. Amelung, InSAR detection of aquifer recovery: Case studies of Koehn Lake (central California) and Lone Tree Gold Mine (Basin and Range) , Abstract G43A-0960 presented at 2013 Fall Meeting, AGU, 2013.

Greene, F., F. Amelung, and S. Wdowinski, Interferometric Synthetic Aperture Radar – GPS Integration: Post-seismic Deformation in Central Nevada Seismic Belt, Abstract G31A-0950 presented at 2013 Fall Meeting, AGU, 2013.

F. Amelung, W. Zhao, S. Wdowinski, and T. H. Dixon, Initial Results of A Survey of Bedrock Responses of Ice Mass Loss in the North Atlantic Region Using InSAR, Abstract G31A-0946 presented at 2013 Fall Meeting, AGU, 2013.

Cabral-Cano, E., A. Arciniega-Ceballos, F. Vergara-Huerta, E. Chaussard, S. Wdowinski, C. DeMets, L. Salazar-Tlaczani, Shallow Faulting in Morelia, Mexico, Based on Seismic Tomography and Geodetically Detected Land Subsidence, Abstract NH23C-1542 presented at 2013 Fall Meeting, AGU, 2013.

Zhao, W., F. Amelung, S.V. Samsonov, T.H. Dixon, and S. Wdowinski, Glacial Rebound Due to Present Day Ice Loss on Greenland Ice Sheet and Canadian Arctic Archipelago Observed by Synthetic Aperture Radar Interferometr, Abstract G23A-0769 presented at 2013 Fall Meeting, AGU, 2013.

Osmanoglu, B., S. Wdowinski, and T.H. Dixon, 3-D Synthetic Aperture Radar Interferometry Phase Unwrapping Using Extended Kalman Filters, Abstract ISPRS2013-SSG-37, presented at the ISPRS conference "Serving Society with Geoinformatics", ISPRS-SSG-2013, 2013.

Amelang, F., W. Zhao, T. Dixon, S. Wdowinski, and S.V. Samsonov, Estimating ice loss of the Greenland Ice Sheet and Arctic Ice Caps using crustal rebound observations with satellite radar interferometry, Sea Level Rise Summit, Fort Lauderdale, Florida, 2013.

Solano-Rojas, D., Cabral-Cano, E., Hernández-Espriú, J., Falorni, G., Bohane, A., Wdowinski, S., *Las relaciones subsidencia-abatimiento del sistema acuífero de la Ciudad de México y sus zonas de riesgo por fallamiento superficial*, Unión Geofísica Mexicana, Reunión Anual Unión Geofísica Mexicana, Puerto Vallarta, Jal., Resúmenes, 2013.

Solano-Rojas, D., Cabral-Cano, E., Hernández-Espriú, J., Arellano-Gil, J., Arcos-Hernández, J., Wdowinski, S., *Características de los sistemas de fallas asociados al proceso de subsidencia en la Ciudad de México*, Unión Geofísica Mexicana, Reunión Anual Unión Geofísica Mexicana, Puerto Vallarta, Jal., Resúmenes, 2013.

Murnaghan, K., B. Brisco, F. Ahern, and S. Wdowinski Ambiguity Resolution Using Reflectors for InSAR Monitoring of Water Level, ASAR meeting, CSA, Montreal, Canada, 2013.

Ahern, F., S.-H. Hong, S. Wdowinski, B. Brisco, and K. Murnaghan Microwave Backscatter from Wetlands Maybe not the Way you thought it works, ASAR meeting, CSA, Montreal, Canada, 2013.

Wdowinski, S., and S-H. Hong, Tropical Wetland Characterization with Polarimetry SAR, ASAR meeting, CSA, Montreal, Canada, 2013.

Hong, S-H., and S. Wdowinski, High spatial resolution water level time series in the Florida Everglades wetlands using multi-track ALOS PALSAR data, Abstract 842749, presented at Living Planet Symposium, ESA, 2013.

Chaussard, E., S. Wdowinski, F. Amelung, E. Cabral-Cano, H. Abidin, and S-H. Hong, Land subsidence in central Mexico and Indonesia: Differences and Similitudes from Regional ALOS Time-series Surveys, Abstract 848540, presented at Living Planet Symposium, ESA, 2013.

Greene, F., S. Wdowinski, G. M. Schmalzle, and F. Amelung, Using InSAR and GPS-Constrained Block Models to Study the Garlock-San Andreas Fault Interaction, Abstract 849577, presented at Living Planet Symposium, ESA, 2013.

Osmanoglu, B., S. Wdowinski, and T.H. Dixon, 3-D Synthetic Aperture Radar Interferometry Phase Unwrapping Using Extended Kalman Filters, Abstract 850986, presented at Living Planet Symposium, ESA, 2013.

Wdowinski, S., S-H. Hong, A. Mulcan, and B. Brisco, Remote sensing of tide propagation through coastal wetlands, Abstract H21A-02 presented at 2013 Meeting of the Americas, AGU, 2013.

Hong, S-H., and S. Wdowinski, High spatial resolution water level time series in the Florida Everglades wetlands using multi-track ALOS PALSAR data, Abstract H32B-03 presented at 2013 Meeting of the Americas, AGU, 2013.

Chaussard, E., S. Wdowinski, F. Amelung, and E. Cabral-Cano, Magnitude and extent of land subsidence in central Mexico revealed by regional InSAR ALOS time-series, Abstract H41A-07 presented at 2013 Meeting of the Americas, AGU, 2013.

Jiang, Y., R. McCaffrey, T.H. Dixon, S. Wdowinski, M. Protti, and V.M. Gonzalez, Slow slip event and interseismic strain accumulation in the Nicoya Peninsula, Costa Rica, Abstract S44A-02 presented at 2013 Meeting of the Americas, AGU, 2013.

Wdowinski, S., Brisco, B., and S-H. Hong, Suitability of the new generation of SAR satellites to the wetland InSAR application, URSI Commission F Triennial Open Symposium on Radiowave Propagation and Remote Sensing, 2013.

Chaussard, E., F. Amelung, S. Wdowinski, and E. Cabral-Cano, Magnitude and extent of land subsidence in central Mexico revealed by regional InSAR ALOS time-series, Geophysical Research Abstracts Vol. 15, EGU2013-4841, 2013.

Sadeh, M., Y. Hamiel, A. Ziv, Y. Bock, P. Fang, and S. Wdowinski, Geodetic investigation of crustal deformation along the Dead Sea Transform and the Carmel Fault System, Geophysical Research Abstracts Vol. 15, EGU2013- EGU2013-4318-1, 2013.

Feliciano E. A., S. Wdowinski, and M. D. Potts, Assessing mangrove above-ground biomass using Terrestrial Laser Scanning: A case study in the Everglades National Park, FCE LTER All Scientists Meeting, 2013.

Wdowinski, S., S-H. Hong, A. Mulcan, and B. Brisco, Remote sensing of tide propagation through coastal wetlands, FCE LTER All Scientists Meeting, 2013.

Voss, N. K., and S. Wdowinski, Far-Field Effects of Large Earthquakes on South Florida's Confined Aquifer, FCE LTER All Scientists Meeting, 2013.

Atwood, D., B. Matthiss, L. Jenkins, S. Wdowinski, and S-H Hong, Wave Propagation Model for Polarimetric Scattering in Mangroves, POLinSAR workshop, 2013.

Hong, S., S. Wdowinski, Double bounce component in cross-polarimetric SAR from a new scattering target decomposition, POLinSAR workshop, 2013.

2012 Mulcan, A., S. Wdowinski, S-H. Hong and, B. Brisco, Wetland InSAR as a Tool for Monitoring Ocean Tide Propagation through Coastal Wetlands, Abstract G13B-0947 presented at 2012 Fall Meeting, AGU, 2012.

Voss, N. K., and S. Wdowinski, Far-Field Effects of Large Earthquakes on South Florida's Confined Aquifer, Abstract H13B-1340 presented at 2012 Fall Meeting, AGU, 2012.

Zhao, W., F. Amelung; T. H. Dixon, and S. Wdowinski, Rapid Ice Loss at Vatnajokull, Iceland Since Late 1990s Constrained by Synthetic Aperture Radar Interferometry, Abstract G12A-0871 presented at 2011 Fall Meeting, AGU, 2012.

Dixon, T. H., B. Osmanoglu, and S. Wdowinski, Unwrapping of multiple SAR Interferograms using Kalman filters, Abstract G23A-0900 presented at 2012 Fall Meeting, AGU, 2012.

Cabral-Cano, E., D. Solano-Rojas, J. A. Hernández-Espriu, F. Cigna; S. Wdowinski, B. Osmanoglu, G. Falorni, A. Bohane, and D. Colombo, Subsidence Induced Faulting Hazard risk maps in Mexico City and Morelia, central Mexico, Abstract NH13A-1593 presented at 2012 Fall Meeting, AGU, 2012.

Feliciano E. A., S. Wdowinski, and M. D. Potts, Tree Volume and Biomass Estimation using Terrestrial Laser Scanning Remote Sensing: A Case Study of the Mangrove Forests in the Everglades National Park, Abstract B41E-0358 presented at 2012 Fall Meeting, AGU, 2012.

Amelung, F., F. Greene and S. Wdowinski, Analysis of long-wavelength signals in InSAR to resolve large-scale deformation: Application to the Western Basin and Range Province, Abstract G43A-0904 presented at 2012 Fall Meeting, AGU, 2012.

Greene, F., S. Wdowinski, G. M. Schmalzle, and F. Amelung, Present-day kinematics of the Garlock-San Andreas fault interaction detected with InSAR observations and GPS-constrained block models, Abstract G51B-1095 presented at 2012 Fall Meeting, AGU, 2012.

Wdowinski, S., R. Nof, N., A. Ziv, M.-P. Doin, G. Baer, Y. Fialko, Y. Eyal, and Y. Bock, Rising of the lowest place on Earth due to Dead Sea water-level drop: Evidence from SAR interferometry and GPS, Space Geodesy and Earth System (SGES2012), Shanghai, China, 2012.

Wdowinski, S., Brisco, B., and S-H. Hong, Suitability of the new generation of SAR satellites to the wetland InSAR application, IGARSS meeting, abstract TH3.10.5, 2012.

Hong, S-H., and S. Wdowinski, COMPERATIVE ANALYSIS OF X-, C- AND L-BAND 4-COMPONENT POLSAR DECOMPOSITIONS WITH A CROSS-POL DOUBLE BOUNCE COMPONENT, IGARSS meeting, abstract THP.P.2, 2012.

Osmanoglu, B., S. Wdowinski, T.H. Dixon, and E. Cabral-Cano, COSMO SKYMED AO PROJECTS - PERSISTENT SCATTERER INSAR ANALYSIS OF MEXICO CITY SUBSIDENCE, IGARSS meeting, abstract WEP.P.6, 2012.

Wdowinski, S., Brisco, B., and S-H. Hong, Suitability of the new generation of SAR satellites to the wetland InSAR application, 9th INTECOL International Wetland Conference, 2012.

Feliciano, E., S. Wdowinski, and M.D. Potts, Biomass estimation in the Everglades using Synthetic Aperture Radar and ground-based Lidar, 9th INTECOL International Wetland Conference, 2012.

Weisskoff, R., S. Wdowinski, and P. Zeilhofer, Land-use change and water management associated with societal and ecological development in the Pantanal and the Everglades, 9th INTECOL International Wetland Conference, 2012.

Brisco, B., S. Wdowinski, K. Murnaghan, F. Ahern, S. Kaya, Wetland Coherence for Water Level Estimation, AGU Chapman Conference on Remote Sensing of the Terrestrial Water Cycle, 2012.

Jiang, Y., R. McCaffrey, S. Wdowinski, T. Dixon, M. Protti, V.M. Gonzalez, A.V. Newman, and L. Feng, Plate coupling estimates and transient events detection from CGPS observations in the Nicoya Peninsula, UNAVCO Science Workshop, 2012.

Yin, H., S. Wdowinski, X. Liu, W. Gan, B. Huang, and G. Xiao, Strong ground motion recorded by high-rate GPS to the 2008, Ms=8.0 Wenchuan earthquake, China, UNAVCO Science Workshop, 2012.

Feliciano, F., and S. Wdowinski, Tree Volume Estimation in the Everglades National Park using Terrestrial Laser Scanning, UNAVCO Science Workshop, 2012.

2011 Yang, Q., T. Dixon, and S. Wdowinski, Investigation of seasonal melting of Greenland using GPS records reveals significant ice mass loss in 2010, Abstract G21A-0801 presented at 2011 Fall Meeting, AGU, 2011.

Wdowinski, S. and S-H. Hong, InSAR detection of a new mode of postseismic deformation following the 2010 M=7.0 Haiti earthquake, Abstract G22A-08 presented at 2011 Fall Meeting, AGU, 2011.

Cabral-Cano, E., F. Cigna, B. Osmanoglu, T. Dixon and S. Wdowinski, Subsidence Induced Faulting Hazard Zonation Using Persistent Scatterer Interferometry and Horizontal Gradient Mapping in Mexican Urban Areas, Abstract G23A-0824 presented at 2011 Fall Meeting, AGU, 2011.

Greene, F., F. Amelung and S. Wdowinski, Characterization of long-wavelength errors in large scale deformation studies: Application to the Central Nevada Seismic, Abstract G23A-0836 presented at 2011 Fall Meeting, AGU, 2011.

Jiang, Y., R. McCaffrey, S. Wdowinski, T. Dixon, M. Protti, V.M. Gonzalez, A.V. Newman, L. Feng, Plate Coupling and Transient Events Detection from Geodetic Measurements in Nicoya Peninsula, Costa Rica, Abstract G23B-2258 presented at 2011 Fall Meeting, AGU, 2011.

Zhang, Q., S. Wdowinski, and G.Lin, The 3-D aftershock distribution of three recent M5~5.5 earthquakes in the Anza region, California, Abstract S31A-2216 presented at 2011 Fall Meeting, AGU, 2011.

Wdowinski, S. and S-H. Hong, InSAR detection of a new mode of postseismic deformation following the 2010 M=7.0 Haiti earthquake, Abstract G22A-08 presented at 2011 Fall Meeting, AGU, 2011.

Wdowinski, S., and I. Tsukanov, Disaster triggers disaster: Earthquake triggering by tropical cyclones (Invited), Abstract U53E-06 presented at 2011 Fall Meeting, AGU, 2011.

Wdowinski, S. S-H. Hong, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands, Carbon Cycle & Environment meeting, NASA, 2011.

Feliciano, E., and S. Wdowinski, Estimation of Above Ground Biomass in the Everglades National Park using X-, C-, and L-band SAR data and Ground-based LiDAR, Carbon Cycle & Environment meeting, NASA, 2011.

Hong, S., S. Wdowinski, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands, Fringe workshop, 2011.

Wdowinski, S. and S-H. Hong, Postseismic deformation following the 2010 Haiti earthquake: Time-dependent surface subsidence induced by groundwater flow in response to a sudden uplift, Fringe workshop, 2011.

Cigna, F., O. B. Osmanoglu, E. Cabral-Cano, T. H. Dixon, and S. Wdowinski, Non-linear land subsidence in Morelia, Mexico, imaged through Synthetic Aperture Radar Interferometry, Fringe workshop, 2011.

Hong, S-H. and S. Wdowinski, Interferometric coherence analysis with high resolution space-borne synthetic aperture radar, Fringe workshop, 2011.

Greene, F., F. Amelung, and S. Wdowinski, Surface deformation in the Western Basin and Range Province, Fringe workshop, 2011.

Nof, R., Z. Alon, M.-P. Doin, G. Baer, Y. Fialko, S. Wdowinski, Y. Eyal, and Y. Bock, The lowest place on Earth is rising due to Dead Sea water level drop: Evidence from SAR Interferometry, Fringe workshop, 2011.

Osmanoglu, B., T. H. Dixon, and S. Wdowinski, 3-D phase unwrapping for satellite radar interferometry, Fringe workshop, 2011.

Kim, K-W., T.H. Dixon, F. Amelung, and S. Wdowinski, A Time-Series Deformation Analysis from TERRASAR-X SAR Data Over New Orleans, USA, ASPAR meeting, Seoul, Korea, 2011.

Osmanoglu, B., S. Wdowinski, and T. H. Dixon, DEM Generation and Time Series Analysis of InSAR using Kalman Filters, ASPAR meeting, Seoul, Korea, 2011.

Kim, K-W., S-H. Hong, and S. Wdowinski, Wetland Monitoring Using ALOS Dual-Pol SAR Interferometry, ASPAR meeting, Seoul, Korea, 2011.

Hong, S-H., and S. Wdowinski, Interferometric Coherence Analysis with High Resolution Space-Borne Synthetic Aperture Radar, ASPAR meeting, Seoul, Korea, 2011.

Cigna, F., E. Cabral-Cano, B. Osmanoglu, T. Dixon and S. Wdowinski, DETECTING SUBSIDENCE-INDUCED FAULTING IN MEXICAN URBAN AREAS BY MEANS OF PERSISTENT SCATTERER INTERFEROMETRY AND SUBSIDENCE HORIZONTAL GRADIENT MAPPING, IGARSS meeting, abstract TUP.S.5, 2011.

Hong, S-H. and S. Wdowinski, EVALUATION OF COSMO-SKYMED X-BAND SAR OBSERVATIONS FOR WETLAND INSAR APPLICATION, IGARSS meeting, abstract TUP.T.2, 2011.

Wdowinski, S. S-H. Hong, and T. Dixon, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands , ASAR meeting, Candian Space Agency, 2011.

Hong, S., S. Wdowinski, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands , TerraSAR-X Science Workshop, 2011.

Wdowinski, S. and S-H. Hong, Postseismic deformation following the 2010 Haiti earthquake: groundwater flow in response to a sudden uplift, TerraSAR-X Science Workshop, 2011.

Wdowinski, S., I Tsukanov, S-H. Hong, F. Amelung, and T. Dixon, Addressing the vertical component in COCONet, COCONet meeting, Puerto Rico, 2011.

2010 Wdowinski, S., I. Tsukanov, S. Hong, and F. Amelung, Triggering of the 2010 Haiti earthquake by hurricanes and possibly deforestation ,Abstract U11A-08 presented at 2010 Fall Meeting, AGU, 2010.

Jiang, Y, T. Dixon, and S. Wdowinski, Separating Multi Time Scale Signals in GPS Time Series in Greenland, Abstract G41B-0814 presented at 2010 Fall Meeting, AGU, 2010.

Amelung, F., S. Jonsson, E. Calais, F. Green, S. Hong, T. Dixon, and S. Wdowinski, Complex faulting during the Haiti earthquake inferred from geodesy, Abstract U13A-0003 presented at 2010 Fall Meeting, AGU, 2010.

Dixon, T. H., Y. Jiang, S. Wdowinski, S. Y. Schwartz, M. Protti, and V. M. Gonzalez, EPISODIC SLIP EVENTS MEASURED BY A CONTINUOUS GPS NETWORK ON THE NICOYA PENINSULA, COSTA RICA , Abstract G41C-01presented at 2010 Fall Meeting, AGU, 2010.

Greene, F., F. Amelung, and S. Wdowinski, Present day velocity field in Central Nevada Seismic Belt observed by Interferometric synthetic aperture radar , Abstract G13A-0673 presented at 2010 Fall Meeting, AGU, 2010.

Hong, S., S. Wdowinski, Revising vegetation scattering theories: Adding a rotated dihedral double bounce scattering to explain cross-polarimetric SAR observations over wetlands , Abstract B33A-0396 presented at 2010 Fall Meeting, AGU, 2010.

Amelung, F., S. Jonsson, E. Calais, F. Green, S. Hong, S. Wdowinski, and T. Dixon, Geodetic fault model of the 2010 Haiti earthquake and GEO's Geohazard Supersites, Abstract G11C-02 presented at 2010 Fall Meeting, AGU, 2010.

Feliciano, E. A., S. Wdowinski, M. Potts, S. Chin, and D. A. Phillips, Measuring Above Ground Biomass and Vegetation Structure in the South Florida Everglades Wetland Ecosystem with X-, C-, and L-band SAR data and Ground-based LiDAR, Abstract B33A-0388 presented at 2010 Fall Meeting, AGU, 2010.

Wdowinski, S., I. Tsukanov, S. Hong, and F. Amelung, Hurricanes and possibily deforestation as triggers for the 2010 Haiti earthquake, Abstract 163-3 presented at GSA Meeting, 2010.

Jiang, Y, T. Dixon, and S. Wdowinski, Accelerating uplift in the North Atlantic region as an indicator of ice loss, IGCP 565 Workshop 3: Separating Hydrological and Tectonic Signals in Geodetic Observations, Reno, ND, USA, 2010.

Wdowinski, S., Wetland InSAR: Observations and Implications, 3rd GeoPantanal meeting, Caceres, Brazil, 2010.

Wdowinski, S, Deforestation and hurricanes as triggers for the 2010 Haiti earthquake , *Eos Trans. AGU, 91*(26), Meet. Am. Suppl., Abstract U43B-08, 2010.

Wdowinski, S, S-H Hong, S-W Kim, and J Won, Space-based high-resolution, multi-temporal monitoring of wetland water levels: Case study of WCA1 in the Everglades, southern Florida *Eos Trans. AGU, 91*(26), Meet. Am. Suppl., Abstract U23B-05, 2010.

Plattner, C, T. Dixon, S. Wdowinski, and J. Biggs, Anelastic Modelling of Shallow Ground Deformation Observed by InSAR: Surface Subsidence Induced by the Crandall Mine (Utah) Collapse, *Eos Trans. AGU, 91*(26), Meet. Am. Suppl., Abstract G13C-01, 2010.

Hong, S-H. and S. Wdowinski, ROTATED DIHEDRAL AND VOLUME SCATTERING BEHAVIOR IN CROSS-POLARIMETRIC SAR, IGARSS meeting, abstract TH2.L09.3, 2010.

Hong, S-H. and S. Wdowinski, INTERFEROMETRIC COHERENCE CHARACTERISTICS WITH HIGH RESOLUTION SATELLITE SYNTHERIC APERTURE RADAR, IGARSS meeting, abstract THP2.PJ.7, 2010.

Kim, S-W. , S. Wdowinski, and T. Dixon TERRASAR X-BAND INSAR OBSERVATIONS IN URBAN AREAS, IGARSS meeting, abstract TH2.PH.5, 2010.

Fuller O.D., M. S. Parenti, and S. Wdowinski, Hurricane Effects on Mangrove NDVI and EVI values estimated from SPOT and MODIS Imagery, Abstract book, p. 229, GEER meeting, 2010.

Hong, S-H., S. Wdowinski, S-W Kim, and J-S. Won, Space-based High- Resolution, Multi-temporal Monitoring of Wetland Water Levels: Case Study of WCA1 in the Northern Everglades, Abstract book, p. 345, GEER meeting, 2010.

Plattner, C., S. Wdowinski, T.H. Dixon, Anelastic modeling of surface, EGU General Assembly 2010, Geophysical Research Abstracts, Vol. 12, EGU2010-3670, 2010.

Jiang, Y., T. Dixon, S. Wdowinski, Accelerating Surface Uplift in Northern Hemisphere and Antarctica Inferred from GPS Measurements, UNAVCO Science Workshop, p. 7, 2010.

Plattner, C., S. Wdowinski, T.H. Dixon, J. Biggs, Improving surface subsidence modeling by introducing anelastic behavior. An example from the Crandall Canyon Mine (Utah) collapse, UNAVCO Science Workshop, p. 43, 2010.

2009 Jiang, Y., T.H. Dixon, S. Wdowinski, GPS measurement of accelerating uplift in northern Hemisphere, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract G53B-0674, 2009.

Plattner, C., S. Wdowinski, T.H. Dixon, R.M. Govers, Surface subsidence induced by the Crandall Mine (Utah) collapse: InSAR observations and anelstic modeling, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract G23A-0681, 2009.

Osmanglu, B., S. Wdowinski, T. Dixon and J. Biggs, InSAR phase unwrapping based on extended Kalman filtering, Fringe 2009 workshop, 2009.

Wdowinski, S., S-H Hong, S-W Kim, and J-S Won, Small Temporal Baseline Subset (STBAS): An InSAR technique for multi-temporal water level monitoring in wetland, Fringe 2009 workshop, 2009.

Tsukanov, I. and S. Wdowinski, Meshfree Finite Element Technique for Geoscience Research: A New Tool for Modeling Earthquake-induced Crustal Deformation, *SCEC Annual meeting*, 2009.

Wdowinski, S., Deep creep, seismicity, and earthquake potential along the southern San Andreas Fault System, *Earthscope Science meeting*, 2009.

Jiang, Y., and S. Wdowinski, Position-gram - A Visual Method for Detecting Transient Events in Continuous GPS Time Series, *Earthscope Science meeting*, 2009.

Osmanoglu, B., S. Wdowinski, T. H. Dixon, J. Biggs, InSAR Phase Unwrapping Based on Extended Kalman Filtering, 2009 IEEE Radar Conference, 2009.

Hong, S-H, S. Wdowinski, S-W Kim, Wetland InSAR over the Everglades from space observed polarimetric data, POLinSAR 2009 workshop, abstract, 2009.

2008 Eriksson, S., C. and S. Wdowinski, Geodesy in the 21st Century: new Applications and Education, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract ED13D-08, 2008.

Tsukanov, I. and S. Wdowinski, Meshfree Finite Element Technique for Geoscience Research: A New Tool for Modeling Earthquake-induced Crustal Deformation, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract G21A-0687, 2008.

Osmanoglu,, B., T. H. Dixon, E. Cabral-Cano, S. Wdowinski, Mexico City Subsidence, From InSAR and SAR Data, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract G31B-0653, 2008.

Gondwe, B.R., S. Hong, S. Wdowinski, and P. Bauer-Gottwein, Hydrodynamics of the Groundwater-Fed Sian Ka'an Wetlands, Mexico, From InSAR and SAR Data, *Eos Trans. AGU, 89*(53 Fall Meet. Suppl., Abstract G41D-06, 2008.

Jiang, Y., and S. Wdowinski, Position-gram - A Visual Method for Detecting Transient Events in Continuous GPS Time Series, *Eos Trans. AGU, 89*(53 Fall Meet. Suppl., Abstract G53C-04, 2008.

Hong, S., S. Wdowinski, S. Kim, Space-based Water Level Observation of the Everglades From Dual Polarization InSAR Data, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract H41B-0873, 2008.

Hackl, M., R Malservisi, and S. Wdowinski, Crustal Strain Rate Tensors From Dense GPS Networks, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract T21B-1954, 2008.

Wdowinski, S., Deep creep: A mechanism explaining the "interseismic seismicity" along the San Jacinto Fault, southern California, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract T53C-1951, 2008.

Wdowinski, S., S-H Hong, S-W Kim, Evaluation of TerraSAR-X observations for Wetland InSAR application, TerraSAR-X science team meeting, abstract, 2008.

Wdowinski, S., S-H Hong, S-W Kim, Evaluation of TerraSAR-X observations for Wetland InSAR application, IGARSS meeting, abstract THP.X, 2008.

Kim, S-W, S. Wdowinski, F. Amelung, T. H. Dixon, S-H Hong, X-band InSAR observations in New Orleans, Louisiana, IGARSS meeting, abstract TH4.104, 2008.

S-H Hong, S. Wdowinski, S-W Kim, Small temporal baseline subset (STBAS): A new InSAR technique for multi-temporal monitoring wetland's water level changes, IGARSS meeting, abstract WE4.102, 2008.

Cohen, A., S Wdowinski, S-W Kim, Monitoring and Mapping Hydroperiod in the South Florida Everglades Using Synthetic Aperture Radar, *Eos Trans. AGU, 89*(23), Jt. Assem. Suppl., Abstract U33A-04, 2008.

Hong, S-H, S Wdowinski, S-W Kim, Multi-temporal, high spatial resolution water level monitoring of the Everglades, *Eos Trans. AGU, 89*(23), Jt. Assem. Suppl., Abstract U33A-02, 2008.

Wdowinski, S., A. Cohen, S-H Hong, S-W Kim, F. Amelung, T. Dixon, R. Sonenshein, F. Miralles-Wilhelm, Space-based hydrology of the Everglades wetland, South Florida, *Eos Trans. AGU, 89*(23), Jt. Assem. Suppl., Abstract U31B-06, 2008.

Hong, S-H., S Wdowinski, S-W Kim, Small Temporal Baseline Subset (STBAS): A new InSAR technique for multi-temporal monitoring wetland's water levels, UNAVCO Science workshop abstracts, p. 20, 2008.

2007 Jiang, Y., S Wdowinski, T H Dixon, C G Harrison, GPS and Tide Gauge Constraints on Subsidence and Relative sea Level Rise Along the US East Coast, *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract G51A-0142, 2007.

Fuller, D.O. and S. Wdowinski, Mapping Tropical Cyclone Damage to Mangrove Habitats: An Example from South Florida, *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract B43C-1455, 2007.

Kim, S, S. Wdowinski, T.H. Dixon, F. Amelung, J. Won, J. Kim, Measurements of ground subsidence in Mokpo using PSInSAR and SBAS, Fringe 2007 Workshop, abstract volume, 2007.

Osmanoglu, B, S. Wdowinski, T.H. Dixon, E. Cabral-Cano , Time series analysis of Mexico City surface deformation, Fringe 2007 Workshop, abstract volume, 2007.

Wdowinski, S., Wetland InSAR: A new hydrological monitoring tool for wetland restoration, Society of Wetland Scientists, 28th Annual Meeting, Final program and abstracts, 125, 2007.

Cohen, A., S. Wdowinski, B. Osmanoğlu, and S. Kim, The Everglades Speak Up: Hydrologic Monitoring Using Synthetic Aperture Radar, the 2nd National Conference on Ecosystem Restoration, Abstract volume, p. 103, 2007.

Wdowinski, S., S. Kim, and J. Wang, Water Level Changes in the Everglades: a comparison between the TIME Model and In SAR Measurements, Annual science meeting of the SFC CESU Science Forum, 2007.

2006 Dixon, T., F. Amelung, N. Gourmelen, S. Kim, B. Osmanoglu, and s. Coastal and wetlands applications for an InSAR mission, *Eos Trans. AGU, 87*(52), Fall Meet. Suppl., Abstract G51A-08, 2006.

Kim, S., S. Wdowinski, T. Dixon, F. Amelung, J. Won, and J. Kim, Measurements and predictions of ground subsidence due to soil consolidation using permanent scatterer InSAR, *Eos Trans. AGU, 87*(52), Fall Meet. Suppl., Abstract G23A-1269, 2006.

Wdowinski, S., S. Kim, F. Amelung, and T. Dixon, Wetland InSAR, *Eos Trans. AGU, 87*(52), Fall Meet. Suppl., Abstract H24C-07, 2006.

Wdowinski, S., S. Kim, F. Amelung, and T. Dixon, Wetland InSAR: A new space-based hydrological monitoring tool of wetlands surface water level changes, GlobWetland Symposium, abstract volume, 2006.

Bieler B., R. Garcia-Martine, S. Wdowinski and F. Miralles- Wilhelm, Modeling Water Flow in the Water Conservation Area 1 Using Interferometric Synthetic Aperture Radar (InSAR) Observations, Greater Everglades Ecosystem Restoration (GEER) Conference, Abstract Volume, p. 15, 2006.

Kim S., S. Wdowinski, J. Wang, T. Dixon and F. Amelung, Comparison of Water Level Changes in the Everglades as Calculated with the TIME Model and with Interferometric SAR Measurements, Greater Everglades Ecosystem Restoration (GEER) Conference, Abstract Volume, p. 118, 2006.

Kim S., S. Wdowinski, T. Dixon and F. Amelung, SAR Interferometric Coherence Analysis of Wetlands in South Florida, Greater Everglades Ecosystem Restoration (GEER) Conference, Abstract Volume, p. 119, 2006.

Wdowinski S., S. Kim, T. Dixon, F. Amelung, and R. Sonenshein, High Spatial-Resolution Space-Based Monitoring of Surface Water Level Changes in the Greater Everglades, Greater Everglades Ecosystem Restoration (GEER) Conference, Abstract Volume, p. 242, 2006.

Ferretti, A., F. Rocca, Dixon, T., F. Amelung, F. Novali, R. Dokka, G. Sella, S. Kim, S. Wdowinski, D. Whitman, Subsidence of New Orleans measured by PSInSAR, EUROSAR, Dresden, Germany, 2006

Wdowinski, S., Current crustal movements across the southern San Andreas Fault and the southern Dead Sea Fault systems: A comparative study, MARGINS-RCL Workshop on "Lithospheric rupture in the Gulf of California – Salton Trough region", Ensenada, Mexico, Abstracts, 80, 2006.

Outerbridge, K., T. Dixon, S. Wdowinski, and R. Malservisi, Recent Vertical Uplift in Baja California, MARGINS-RCL Workshop on "Lithospheric rupture in the Gulf of California – Salton Trough region", Ensenada, Mexico, Abstracts, 60, 2006.

2005 Osmanoglu, B., M. Kartal, S. Wdowinski, and T. Dixon Backscattered Waveform Analysis By Using A New Radar Altimeter Simulator For Envisat, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract G41A-0346, 2005.

Outerbridge, KC., T. Dixon, S. Wdowinski, and R. Malservisi, Current Vertical Crustal Movements in Northern Baja California, Mexico, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract T51D-1384, 2005.

Kim, S., S Wdowinski, F Amelung, T Dixon, R Dokka, and B Rabus, Katrina's Damage Assessment Using Multi-temporal Space-based SAR and InSAR Analyses, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract U41B-03, 2005.

Dixon, T., F. Amelung, A Ferretti, F Novali, R Dokka, G Sella, S Kim, and S Wdowinski Subsidence of New Orleans as Measured by Permanent Scatterer InSAR and GPS, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract U41B-04, 2005.

Wdowinski, S., B Smith, Y Bock, and D Sandwell, Diffuse Intersesimic Deformation Across the North America-Pacific Plate Boundary: Observations and Modeling Results, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract U43B-0832, 2005.

Wdowinski, S., S. Kim, F. Amelung, and T. Dixon, Wetland InSAR: Observations and implications, Fringe 2005 Workshop, abstract volume, 2005.

Kim, S., S. Wdowinski, F. Amelung, and T. Dixon, Interferometric Coherence analysis of wetlands: The Everglades (south Florida) as a case study, Fringe 2005 Workshop, abstract volume, 2005.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, and T. Dixon, Space-Based hydrology of the Everglades Wetlands, South Florida, Society of Wetland Scientists, 26th Annual Meeting, Final program and abstracts, 125, 2005.

Wdowinski, S., F. Amelung, T. Dixon, S. Kim, B. Osmanoglu, M. Kartal, and D. Harding, The Everglades wetlands as a laboratory for testing and calibrating space-geodetic hydrological technologies, *Eos Trans. AGU, 86*(18), Spring Meet. Suppl., Abstract G23A-04, 2005.

Kim, S., S. Wdowinski, F. Amelung and T. Dixon, Wetlands Application of Interferometric SAR Measurements: examples from Florida and Louisiana, *Eos Trans. AGU, 86*(18), Spring Meet. Suppl., Abstract G23A-03, 2005.

Bieler, B.M, R. Garcia-Martinez, F. Miralles-Wilhelm, and S. Wdowinski, Modeling Water Flow in the Everglades Wetlands Using Interferometric Synthetic Aperture Radar (InSAR)Observations, *Eos Trans. AGU, 86*(18), Spring Meet. Suppl., Abstract G23A-05, 2005.

Kim, S, A. Ferretti, F. Novali, S. Wdowinski, F. Amelung, T.H. Dixon, R.K. Dokka, and B. Rabus, Observation of Subsidence in New Orleans Using Permanent Scatterers, *Eos Trans. AGU, 86*(18), Spring Meet. Suppl., Abstract G43A-04, 2005.

Wdowinski, S., F. Amelung, T. Dixon, S. Kim, B. Osmanoglu, M. Kartal, and D. Harding, The Everglades wetlands as a laboratory for testing and calibrating the CRYOSAT hydrological applications, 1st CRYOSAT meeting, 2005.

Osmanoglu, M., D. Kartal, S. Wdowinski and T. Dixon, Altitude accuracy improvement by using a new radar altimeter simulator for ENVISAT data, 1st CRYOSAT meeting, 2005.

2004 Wdowinski, S., F. Amelung, and T. Dixon, Towards operational monitoring of wetland water levels using InSAR: Applications for the Everglades Restoration Project, *Eos Trans. AGU, 85*(47), Fall Meet. Suppl., Abstract H23E-1169, 2004.

Ben Avraham, Z., S. Wdowinski, R. Arvidsson, and G. Ekstrom, Normal and transcurrent convergence along the Cyprian Arc, *Eos Trans. AGU, 85*(47), Fall Meet. Suppl., Abstract T52B-07, 2004.

Sella, GF, R. Malservisi, S. Wdowinski, T. Dixon, and P. LaFemina, Effect of reference stations on continuous GPS (CGPS) time series, *Eos Trans. AGU, 85*(47), Fall Meet. Suppl., Abstract G53A-0113, 2004.

Sella, GF, S. Stein, S. Wdowinski, T.H Dixon, M. Craymer, and T. James, Direct constraints on GIA motion in North America using GPS, *Eos Trans. AGU, 85*(17), Fall Meet. Suppl., Abstract G33A-03, 2004.

Sella, GF, S. Stein, S. Wdowinski, and T.H Dixon, The Hunting of the SNARF, *Eos Trans. AGU, 85*(17), Fall Meet. Suppl., Abstract G21D-03, 2004.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, Space-based hydrology of the Everglades wetland, South Florida, First National Conference on Ecosystem restoration, Abstract Volume, p. 466, 2004.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, InSAR-based hydrology of South Florida, ENVISAT Symposium, Abstracts 4A4-2, 2004.

Wdowinski, S., F. Amelung and T. Dixon, Space-Based Measurements of Sheet-Flow Characteristics in the Everglades Wetland, Florida, NASA's Terrestrial Hydrology Program Meeting, 2004.

Wdowinski, S., F. Amelung, and T. Dixon, Space-Based Measurements of Sheet-Flow Characteristics in the Everglades Wetland, Florida, *Eos Trans. 85*(28), West. Pac. Geophys. Meet. Suppl., Abstract H23A-65.

Wdowinski, S.; Bock, Y. Spatial patterns of strain accumulation and release along the San Andreas Fault System, Southern California, The 1st Annual Weizmann Geodynamics Workshop, Abstracts, 2004.

Wdowinski S., Y. Bock, G. Baer, L. Prawirodirdjo, N. Bechor, S. Naaman, R. Knafo, Y. Forrai, Y. Melzer, GPS Measurements of Current Crustal Movements along the Dead Sea Fault, Israel Geol. Soc. Ann. Meeting, 2004.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, InSAR-based hydrology of the Everglades, South Florida, The 2nd ALOS PI Workshop and Final Meeting of the JERS-1 RI Program, 2004.

2003 Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, Everglades hydrology from space, *Eos Trans. AGU, 84*(46), Fall Meet. Suppl., Abstract H21H-08, 2003

Sella, GF, S. Stein, S. Wdowinski, T.H Dixon, M. Craymer, and T. James, Glacial Isostatic Adjustment in North America Observed by Continuous and Episodic GPS, *Eos Trans. AGU, 84*(46), Fall Meet. Suppl., Abstract G21C-0281, 2003.

Wdowinski, S., F. Amelung, F. Miralles-Wilhelm, T. Dixon, and R. Carande, InSAR-based hydrology of the Everglades, South Florida, Fringe 2003 Workshop, abstract volume, 2003.

Wdowinski, S., Large-scale tectonic-magmatic interaction in the central Andes, Summer school on Tectonic-Magmatic interaction, Gyser, South Iceland, Abstract Volume, 53-54, 2003.

Wdowinski, S., T. Dixon, F. Amelung and R. Carande, Space-based Monitoring of the Water Level changes in the Everglades, south Florida, Geophysical research abstracts, 5, 07624, 2003.

Wdowinski, S.; Bock, Y. Velocity and strain-rate analyses of the SCEC 3.0 velocity field, Geophysical research abstracts, 5, 08016, 2003

Wdowinski, S., G.F. Sella,., S. Stein, T.H.Dixon, Investigation of Plate Rigidity and Glacial Isostatic Adjustment in Eastern North America With GPS, The state of GPS vertical positioning precision: separation of Earth processes by space geodesy, workshop abstract volume, 2003.

2002 Wdowinski, S., G.F. Sella, T.H.Dixon, Comparisons Between the ITRF97, IGS97 and IGS00 Pure GPS Reference Frames: Implications for Precise Velocity Estimations, *Eos Trans. AGU, 83*(47), Fall Meet. Suppl., Abstract G12C-01, 2002.

Sella, G.F., S. Stein, R.K. Dokka, T.H.Dixon, S. Wdowinski, Investigation of Plate Rigidity and Glacial Isostatic Adjustment in Eastern North America With GPS, *Eos Trans. AGU, 83*(47), Fall Meet. Suppl., Abstract S22D-06, 2002.

2001 Wdowinski, S, Y. Bock, M. van Domselaar, Y. Melzer, J. Forrai, G. Baer, N. Al-Segerat, R. Ali, Geodetically determined deformation in the southern Levant (Israel and Jordan), *Eos Trans. AGU, 82*(47), Fall Meet. Suppl., Abstract G41A-0211, 2001.

Baer, G., U. Schattner, D. Wachs, D. Sandwell, S. Wdowinski, S. Frydman Radar Interferometric Mapping and Numerical Simulation of Land Subsidence along the Dead Sea Shores, Israel and Jordan, *Eos Trans. AGU, 82*(47), Fall Meet. Suppl., Abstract G31A-0137, 2001.

Alperovich, L. Naaman, S. Wdowinski, S. Hayakawa, M. Calais, E. Disturbances of the total electron content and geomagnetic field associated with strong earthquake, abstract in the European assembly, Nice, France 25-30, march 2001.

Baer, G., U. Schattner, D. Wachs, D. Sandwell and S Wdowinski, The lowest place on Earth is subsiding – an INSAR perspective, Israel Geol. Soc. Ann. Meeting, p.9 2001.

Mor, A., S. Wdowinski, and P. Alpert, Remote sensing of atmospheric water vapor using GIL network of permanent GPS station in Israel, Israel Geol. Soc. Ann. Meeting, p.84, 2001.

Na'aman, S., E. Calais, L. Alperovich and S. Wdowinski, GPS observed acoustic gravity waves and traveling ionospheric disturbances before and after large earthquakes, Israel Geol. Soc. Ann. Meeting, p.87, 2001.

Schattner, U., S Wdowinski, D. Wachs, G. Baer, and H. Wust-Bloch, Geodetic monitoring of surface deformation along the western Dead Sea shores and in sinkhole sites, using GPS and INSAR measurements, Israel Geol. Soc. Ann. Meeting, p.105, 2001.

Wdowinski, S., Y. Bock, Y. Forai, Y. Melzer, E. Ostrovsky, G. Baer, S. Na'aman, and A. Mor, The GIL network of continuous GPS monitoring in Israel: an infrastructure for regional and global interdisciplinary research, Israel Geol. Soc. Ann. Meeting, p.128, 2001.

Wdowinski, S., Y. Bock and S. Pe'eri, Geodetic monitoring of elastic strain accumulation along the Dead Sea Fault, Israel Geol. Soc. Ann. Meeting, p.129 2001.

2000 Na'aman, S., L. Alperovich and S. Wdowinski, Monitoring ionospheric total electron content (TEC) using the GIL network of permanent GPS stations in Israel, Israel Geol. Soc. Ann. Meeting, 96, 2000.

Schattner, U., S. Wdowinski., D. Wachs and H. Wust-Bloch, GPS geodetic monitoring of surface deformation caused by the development of sinkholes along the Dead Sea shores, preliminary results, Israel Geol. Soc. Ann. Meeting, 110, 2000.

Wdowinski S., Y. Bock, Y. Forai, Y. Melzer, G. Baer and D. Levitte, The GIL network of continuous GPS monitoring in Israel for geodetic and geophysical application, Israel Geol. Soc. Ann. Meeting, 127, 2000.

Wdowinski, S., Y. Sudman and Y. Bock, The distribution of interseismic deformation along the San Andreas Fault system, southern California, Israel Geol. Soc. Ann. Meeting, 128, 2000.

Wdowinski, S., N. Bechor, S. Na'aman, Y. Bock, Y. Forai, Y. Melzer, E. Ostrovsky, G. Baer and D. Levitte, Current plate motion and crustal deformation across the Dead Sea Fault, The First Stephan Muller Conference of the European Geophysical Society (EGS), Abstracts, p. 45, 2000.

Wdowinski S., Y. Bock, Y. Forai, Y. Melzer, G. Baer and D. Levitte, The GIL network of continuous GPS monitoring in Israel for geodetic and geophysical applications, the 10th General Assembly of the WEGENER project, extended abstract book, 2000.

Alperovich, L., S. Na'aman, S. Wdowinski and M. Hayakawa, A preliminary comparison of simultaneous variations of the ionospheric total electron content and geomagnetic field associated with two strong earthquakes, International Workshop on seismo electromagnetics, 2999 of NASDA, Abstract, p.44, 2000.

1999 Bechor, N., and S. Wdowinski, Current motion of the Sinai subplate from GPS observations, Israel Geol. Soc. Ann. Meeting, 14, 1999.

Pe'eri, S., S. Wdowinski, A. Shtibelman, N. Bechor and Y. Bock, Current deformation across the Dead Sea Fault as observed from 18 months of continuous GPS monitoring. Israel Geol. Soc. Ann. Meeting, 65, 1999.

Wdowinski, S., Y. Bock, Y. Forrai, Y. Melzer, G. Baer and D. Levitte, Progress review of the project "Establishment of GPS infrastructure in Israel for geodetic and geophysical applications", Israel Geol. Soc. Ann. Meeting, 92, 1999.

Sivan, D., S. Wdowinski, K. Lamback, A. Galili and A. Raban, Holocene Mediterranean sea level changes, Mare Nostrum – Mediterranean civilization, p.93-94, University of Haifa, Haifa, 1999.

Wdowinski, S. and Y. Bock, A network of permanent GPS stations for multi-disciplinary research, in Funded Research by the Survey of Israel, p.9-11, Tel Aviv, 1999.

Wdowinski, S., Y. Sudman and Y. Bock, Geodetic detection of active faults in southern California, Inter. Un. Geodesy Geophys. Abstracts, B.78, 1999.

Wdowinski, S., Y. Bock, Y. Forrai, Y. Melzer, G. Baer and D. Levitte, The GIL network of continuous GPS monitoring in Israel for geodetic and geophysical applications, Inter. Un. Geodesy Geophys. Abstracts, A.407, 1999.

Sivan, D., A. Raban, S. Wdowinski, K. Lambeck, E. Galili, Holocene sea-level changes along the Mediterranean coast of Israel – Archaelogical observations versus isostatic model, Inter. Un. Geodesy Geophys. Abstracts, A.57, 1999.

Bechor, N., S. Wdowinski, S. Peeri, S. Na'aman, Y. Bock, Y. Forrai, Y. Melzer and G. Baer, Crustal deformation along the Dead Sea Fault obtained from 30 months of continuous GPS data, EOS, Trans. Am. Geophys. Un., 80, F274-5, 1999.

Wdowinski, S., Y. Bock, Y. Melzer, Y. Forrai, G. Baer and D. Levitte, A network of permanent GPS stations for estimating seismic hazard (in Hebrew), Et-Moded, 1999, 12, 14-15.

Wdowinski, S., Y. Sudman and Y. Bock, Distribution of inter seismic deformation along the San Andreas fault system, Southern California, Trans. Am. Geophys. Un., 80, F701, 1999.

1998 Ben-Avraham, Z. and S. Wdowinski, Segmentation and seismicity of the Cyprean Arc, Israel Geol. Soc. Ann. Meeting, 14, 1998.

Pe'eri, S. and S. Wdowinski, Continuous geodetic monitoring of crustal deformation along the Dead Sea fault, utilizing a permanent GPS network, Israel Geol. Ann. Meeting, 75, 1998.

Sivan, D., S. Wdowinski, A. Raban and K. Lamback, Archaeological evidence of Holocene sea level changes from the Mediterranean coast of Israel, Israel Geol. Soc. Ann. Meeting, 100, 1998.

Wdowinski, S. , and Z. Ben-Avraham, Tectonic constraints on the nucleation, rupture and arrest of the 1995 Gulf of Elat (Aqaba) earthquake, Israel Geol. Soc. Ann. Meeting, 109, 1998.

Wdowinski, S., Y. Bock, Y. Forai, Y. Meltzer and G. Baer, Presenting the three year project "Establishment of GPS infrastructure in Israel for geodetic and geophysical applications" Israel Geol. Soc. Ann. Meeting, 110, 1998.

Ben-Avraham, Z., S. Wdowinski, R. Arvidson and G. Ekstrom, Segmentation and seismicity of the Cyprean Arc, Annales Geophysicae, Supplement I to Volume 16, C13, 1998.

Wdowinski, S. and Z. Ben-Avraham, Recent seismic activity at the edge of rift propagation in the Gulf of Elat (Aqaba), Annales Geophysicae, Supplement I to Volume 16, C100, 1998.

Pe'eri, S., and S. Wdowinski, Continuous monitoring of crustal deformation along the Dead Sea Fault utilizing GPS network, Annales Geophysicae, Supplement I to Volume 16, C395, 1998.

Ben-Avraham, Z., S. Wdowinski, R. Arvidson and G. Elstrom, Seismicity and segmentation of the Cyprean Arc, XXVI General Assembly of the European Seismological Commission (ESC), Abstracts, p.5, 1998.

Pe'eri, S., S. Wdowinski, A. Shtivalman and N. Bechor, Current plate motion across the Dead Sea Fault as determined from 18 months of continuous GPS monitoring, XXVI General Assembly of the European Seismological Commission (ESC), Abstracts, p.6, 1998.

Wdowinski, S., and Z. Ben-Avraham, Rift propagation and seismicity activity in the Gulf of Elat (Aqaba), XXVI General Assembly of the European Seismological Commission (ESC), Abstracts, p.6, 1998.

Bechor, N., and S. Wdowinski, GPS determined co-seismic displacement induced by the November 1995 Gulf of Elat (Aqaba) earthquake, XXVI General Assembly of the European Seismological Commission (ESC), Abstracts, p.8, 1998.

Bechor, N., and S. Wdowinski, Current motion of the Sinai subplate from GPS observations, EOS, Trans. Am. Geophy. Un., F217, 1998.

1997 Bechor, N., and S. Wdowinski, Preliminary calculations of the Israeli-Sinai sub-plate velocity using GPS observations, Ministry of Energy and Infrastructure, ES/45/97, 1997.

Bechor, N. and S. Wdowinski**,** Detection of co-seismic displacement induced by the Novemner 1995 Nuweiba eartquake, Israel Geol. Soc. Ann. Meeting, 8, 1997.

Bechor, N. and S. Wdowinski, Preliminary calculations of the Israel-Sinai subplate velocity using GPS observations, Israel Geol. Soc. Ann. Meeting, 9, 1997.

Pe'eri S., S. Wdowinski**,** N. Bechor, and Z. Ben Avraham**,** A permanent monitoring GPS station in Metzokey Dragot, Israel, Israel Geol. Soc. Ann. Meeting, 100, 1997.

Bechor, N. and S. Wdowinski, GPS-determined convergence rate between the Israel-Sinai subplate and Eurasia, Intern. Assoc. Seis. Phys. Earth's Inter., Abstracts, 28, 1997.

Wdowinski, S. and Z. Ben-Avraham, Tectonic constraints on the nucleation, rupture, and arrest of the 1995 Gulf of Elat (Aqaba) earthquake, Intern. Assoc. Seis. Phys. Earth's Inter., Abstracts, 190, 1997.

Wdowinski. S., Y. Bock, Y. Forai, Y. Melzer and G. Baer, Presentation of the 3-year project "the establishment of GPS infrastructure in Israel for geodetic and geophysical application" Geodesy and Surveying 1997, p.88, Technion, Haifa, 1997.

Pe'eri, S. and S. Wdowinski, Continuous geodetic monitoring of crustal deformation along the Dead Sea Fault, utilizing a permanent GPS network, Geodesy and Surveying 1997, p.89-95, Technion, Haifa, 1997.

Bechor, N. and S. Wdowinski, Detection of co-seismic displacement induced by the November 1995 Nuweiba earthquake, Geodesy and Surveying 1997, p.96, Technion, Haifa, 1997.

1996 Wdowinski, S., A new theory of intraplate tectonics, Israel Geol. Soc. Ann. Meeting, 95, 1996.

Wdowinski, S., Is the Dead Sea Transform really a transform?, Israel Geol. Soc. Ann. Meeting, 96, 1996.

Wdowinski, S., Beyond plate tectonics: a new theory of intraplate tectonics, Annales Geophysicae, Supplement I to Volume 14, C35, 1996.

Wdowinski, S., Transcurrent fault - a fourth type of tectonic plate boundary, Annales Geophysicae, Supplement I to Volume 14, C35, 1996.

Wdowinski, S., The Eastern Mediterranean in view of the theory of intraplate tectonics, Annales Geophysicae, Supplement I to Volume 14, C254, 1996.

1995 Wachs, D., Wdowinski, S., and Y. Meltzer, Paleo-horizontal markers in Masada's water holes: implications for regional tilting, Israel Geol. Soc. Ann. Meeting, 120, 1995.

Wdowinski, S., and Y. Bock, The precision of GPS measurements of current plate motion and crustal deformation, Israel Geol. Soc. Ann. Meeting, 121, 1995.

Wdowinski, S. and Y. Bock, The precision of GPS measurements of current plate motion and crustal deformation, Inter. Un. Geodesy Geophys. Abstracts, A33, 1995.

Wdowinski, S. and Y. Bock, The evolution of deformation and topography of the Central Andes, Inter. Un. Geodesy Geophys. Abstracts, A446, 1995.

1994 Wdowinski, S., and E. Zilberman, A half-graben model for the formation of the Arava Valley segment of the Dead Sea Rift, Geol. Surv. Isr., Current Research, Vol. 9, 47-50, 1994.

Wdowinski, S. and E. Zilberman, Large-scale asymmetries across the Dead Sea Rift: a half-graben model for the formation of the Arava Valley and the Dead Sea Basin, Israel Geol. Soc. Ann. Meeting, 115, 1994.

Wdowinski, S. and Y. Bock, and P. Fang, How precise are campaign-style GPS measurements of crustal deformation, Perlmuter Workshop on dynamic deformation models, p. 26, 1994.

1993 Bock, Y., E. Calis, J. Genrich, S. Wdowinski, R. McCaffrey, Fauzi, C. Stevens, P. Zwick, S.S.O. Puntodewo, J. Rais, R. Poewariardi, C. Subarya, F. Brunner, and P. Tregoning, Contemporary crustal deformation in Indonesia: results from GPS and triangulation, EOS, Trans. Am. Geophys. Un., 74, 108, 1993.

Stevens, C., R. McCaffrey, Y. Bock, J. Genrich, E. Calis, S. Wdowinski, J. Rais, S.S.O. Puntodewo, C. Subarya, R. Poewariardi, F. Brunner, P. Tregoning, Fauzi, and P. Zwick, GPS measurements in Indonesia and preliminary results, EOS, Trans. Am. Geophys. Un., 74, 108, 1993.

Wdowinski, S. and Y. Bock, The 1992 Landers earthquake sequence: detection of crustal deformation using continuous geodetic measurements, Israel Geol. Soc. Ann. Meeting, 143, 1993.

Wdowinski, S., The evolution of deformation and topography of the central Andes, Second International Symposium of Andean Geodynamics, extended abstracts, ORSTOM edition, Paris, 37-40, 1993.

Wdowinski, S. and E. Zilberman, The Dead Sea Rift in the Segment 30-32*N: a half graben model for the formation of the Dead Sea Basin, EOS, Trans. Am. Geophys. Un., 75, 1993.

1992 Bock, Y., J. Zhang, P. Fang, J. Genrich, J-B Minster, K. Stark, and **S**. Wdowinski, Nine months of precise satellite ephemerides and high frequency polar motion determined with an operational GPS global analysis system, EOS, Trans. Am. Geophys. Un., 73, 85, 1992.

Fang, P., Y. Bock, J. F. Genrich, V. Otero, K. Stark, S. Wdowinski, J. Zhang, T. A. Herring, and R. W. King, Determination of precise satellite ephemerides, and high frequency earth rotation, and crustal deformation before and during the IGS campaign, EOS, Trans. Am. Geophys. Un., 73, 134, 1992.

Wdowinski, S., Y. Bock, P. Fang, J. F. Genrich, D. C. Agnew, and F. K. Wyatt, The 1992 Landers Earthquake sequence: detection of coseismic and postseismic surface deformation, EOS, Trans. Am. Geophys. Un., 73, 364, 1992.

Wdowinski, S. and Y. Bock, Large scale lithospheric-asthenospheric (mantle) interaction at subduction zones. EOS, Trans. Am. Geophys. Un., 73, 281, 1992.

1991 Bock, Y., S. Wdowinski, J. Genrich, R. McCaffrey, P. Zwick, J. Rais, SSO Puntodewo, and R. Poerawiardi, Geodetic studies of oblique plate convergence in Sumatra, Indonesia, Inter. Un. Geodesy Geophys. Union Program and Abstracts**,** 56, 1991.

Wdowinski, S., and Y. Bock, Modeling Crustal Deformation above Subduction Zones: Application to the Andes, AGU Chapman Conference TDP: Modeling Crustal Deformation., 1991.

Wdowinski, S. and Y. Bock, The evolution of the central Andean topography: A viscous flow model of continental lithosphere overriding a subduction zone. EOS, Trans. Am. Geophys. Un., 72, 346, 1991.

1990 Wdowinski, S., Continuum models of continental deformation (Ph.D. thesis), Harvard University, 1-137, 1990.

Wdowinski, S. and G. J. Axen, Isostatic Rebound Due to Tectonic Denudation: A Viscous Flow Model of a Layered Lithosphere. EOS, Trans. Am. Geophys. Un., 71, 633, 1990.

Wdowinski, S. and R. J. O'Connell, Dynamically supported trench topography, accretion and tectonic erosion: A viscous flow model of an overriding plate sheared by a subducting slab. EOS, Trans. Am. Geophys. Un., 71, 1575, 1990.

1989 Wdowinski, S., R. J. O'Connell, and P. England, Continuum models of large scale deformation of the Aegean, EOS, Trans. Am. Geophys. Un., 70, 306, 1989.

Wdowinski, S., and R. J. O'Connell, The role of mantle flow on large scale deformation above subduction zones, EOS, Trans. Am. Geophys. Un., 70, 721, 1989.

Wdowinski, S. and R. J. O'Connell, Andean tectonics derived from a continuum model of the Nazca-South America subduction zone. EOS, Trans. Am. Geophys. Un., 70, 1371, 1989.

1988 Wdowinski, S., R. J. O'Connell, and P. England, Continuum models of continental tectonics above subduction zones: Comparison with the Andes and the Aegean, EOS, Trans. Am. Geophys. Un., 69, 1439, 1988.

1987 Wdowinski, S., R. J. O'Connell, and P. England, Continuum models of continental deformation in back arc region, EOS, Trans. Am. Geophys. Un., 68, 1501, 1987.

1985 Wdowinski, S., The geology of the southern Hebron Mountains (M.Sc. thesis - in Hebrew), Geol. Surv. Isr., Report GSI/25/85, 1-68, 1985.

Wdowinski, S., Correlation between the upper Judea Group formations in the Judea Mountains and the Negev, Israel Geol. Soc. Ann. Meeting, 102-103, 1985.

1984 Wdowinski, S., The lithostratigraphy of the Upper Judea Group in the Ira Mts. and its correlation with that of the Judea Mts. and the northern Negev, Geol. Surv. Isr., Current Research, 42-45, 1984.

CREATIVE WORK - N/A

(List date and type of work and/or place of presentation. If the creative work has received recognition, such as design award, competition prize, exhibition or publication by others, or critical review, indicate the level of recognition as well as the peer-review context and process.)

WORKS IN PROGRESS

Papers submitted to journals for consideration

Zhang, B., S. Wdowinski, D., Gann, and S-H Hong, (2020) Spatiotemporal variations of wetland scattering: The role of water depth and vegetation characteristics in Sentinel-1 SAR dual-polarization amplitude observations, Remote Sensing of Environment, submitted.

Oliver-Cabrera, T., S. Wdowinski, and S. Kruse, (2020), Detection of Sinkhole Activity in Central Florida Using InSAR Time Series Observations, Geomorphology, submitted.

Other completed papers

Solano Rojas, D.E., S. Wdowinski, E. Cabral-Cano, and B. Osmanoglu, (2020) Differential subsidence in Mexico City and implications to its Collective Transport System (Metro), submitted, Science Advances, 2019.

Osmanoglu, B., S. Wdowinski, T.H. Dixon, and E. Cabral-Cano, 3-D phase unwrapping for satellite radar interferometry, II: Time Series Generation, in preparations, 2020.

Solano Rojas, D.E., E. Havazli, E. Cabral-Cano, and S. Wdowinski, Remotely-triggered Slip in Mexico City Induced by the September 2017 Mw=7.1 Puebla Earthquake, in preparations, 2020.

Zhang, B., Wdowinski, S., Oliver-Cabrera, T., Koirala, R., Jo, M. J., and Osmanoglu, B.: Mapping the Extent and Magnitude of Sever Flooding Induced by Hurricane Irma with Multi-temporal Sentinel-1 SAR and InSAR Observations, in preparations, 2020.

FUNDED RESEARCH

Gaiser, E. et al., "FCE IV: Coastal Oligotrophic Ecosystems Research", NSF, 12/01/2020-11/30/2024, $4,750,800.

Wdowinski, S., "Assessing Forest Structure Status of Mangrove Forests in Everglades National Park Following Hurricane Irma", FIU ForEverglades Student Research Fund, 12/01/2019-11/30/2020, $20,500.

Wdowinski, S., "Coastal flooding hazard in Florida: Evaluating the contribution of local subsidence", Florida Office of Insurance Regulation, 07/01/2018-06/30/2022, $327,227.

Price, R. et al., "Scholarships for a Future Generation of Geoscientists at FIU", National Science Foundation, 07/01/2018-06/30/2023, $1,000,000.

Gann, D., K. Zhang, P. Olivas, S. Wdowinski, and J. Richards, "Optimization of LiDAR Data Processing Algorithms for Wetland Graminoid Marsh and Prairie Vegetation", National Park Service, 04/01/2018-03/31/2020, $198,708 [CoPI portion: $9,492].

Wdowinski, S. and S. Kruse, Supplementary funding for the project "Collaborative research: Detection and mechanics of sinkhole activities in central Florida", NSF, 11/08/2017-11/07/2018, $11,444.

Freymueller, J. and S. Wdowinski, Workshop funding for organizing the workshop "Hydro-Geodesy: Hydrological applications of geodetic techniques", Earthscope (NSF), 09/01/2017-03/31/2018, $8,000.

Wdowinski, S., K. Larson, A. Borsa, and D. Cayan, Workshop funding for organizing the workshop "Hydro-Geodesy: Hydrological applications of geodetic techniques", NASA, 10/15/2016-11/30/2017, $12,000.

Wdowinski, S., Z. Peng, and K. Ferrier, "Cascading hazards: Understanding triggering relations between wet tropical cyclones, landslides, and earthquakes", NASA, 06/27/2017-06/26/2020, $1,197,930.

Wdowinski, S. and S. Kruse, "Collaborative research: Detection and mechanics of sinkhole activities in central Florida", NSF, 09/01/2016-08/30/2018, $235,000.

Wdowinski, S. and S. Kruse, "Space based detection of sinkhole activity in central Florida", NSF, 09/01/2014-08/30/2016, $90,000.

Amelung, F. and S. Wdowinski, "A new Mass Balance estimation method from Altimetry and InSAR: Application to the Greenland Ice Sheet and Arctic Ice Caps", NASA, $521,928 [CoPI portion: $50,495].

Erickson, C.L., S. Wdowinski, and J. Thayn, "Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon", NASA, 09/01/2013-08/31/2017, $290,745 [sub-award from U. Penn: $191,009].

Gaiser, E. et al., "FCE III: Coastal Oligotrophic Ecosystems Research", NSF, 12/01/2012-11/30/2018, $5,879,998 [sub-award from FIU: $81,570].

Wdowinski, S., "Applications of InSAR Time Series Imagery for Subsidence Hazards and Water Resources Exploitation in Four Mexican Metropolitans", NASA, 08/01/2012-07/31/2016, $453,805.

Wdowinski, S., “Development of Advanced Algorithms for 3-D InSAR Unwrapping using Non-Linear Filters”, NASA, 06/01/2012-05/31/2016, $436,519.

Premaratne, K., F. Amelung, and S. Wdowinski, “High-Resolution InSAR for Geo-Engineering Applications”, UM collaborative research exchange forum, 09/01/2012-08/31/2013, $80,000 [CoPI portion: $20,000].

Wdowinski, S., “RAPID: Monitoring postseismic crustal deformation in Haiti with TerraSAR-X observations”, NSF, 08/01/2010-07/31/2012, $28,206.

Wdowinski, S., “Space-based monitoring of forest and wetland 3-D vegetation structure”, UM Provost award, 10/01/2010-09/30/2011, $14,616.

Amelung, F., T. Dixon, and S. Wdowinski, “Acquisition of a Linux computer cluster for Space Geodetic Research”, NSF, 06/01/2009-5/31/2010, $75,000 for cluster purchase.

Miralles-Wilhelm, F. et al., “Water-SCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space”, NASA, 08/01/2008-07/31/2013, $4,999,999 [sub-award from FIU: $749,966].

Amelung, F. and S. Wdowinski, “Integration of InSAR time-series with continuous GPS. Application to the Western Basin and Range”, NSF, 09/01/2008-08/31/2011, $299,188 [CoPI portion: $48,878].

Amelung, F. and S. Wdowinski, “Determining surface subsidence characteristics in urban areas by means of persistent scatterer InSAR”, NASA, 08/01/2007-07/31/2011, $84,000 [CoPI portion: $19,455].

Wdowinski, S., “Space-based remote sensing of water level changes – Interferometric Synthetic Aperture Radar measurements”, South Florida Water Management District, 05/01/2007-04/30/2008, $70,740.

Wdowinski, S., “Space-based hydrology of the Everglades”, FIU, 02/01/2007-10/31/2007, $71,000.

Wdowinski, S., “Wetland Hydrology from Space”, National Institute for Water Research, 09/01/2004-08/31/2006, $158,000.

Wdowinski, S., “Neotectonic structure and recent tectonic activity in the lower Jordan Valley”, Israel Ministry of Infrastructure, 10/01/2000-09/30/2001, $10,000.

Wdowinski, S., “Evaluating the petroleum potential of the southeastern Mediterranean Basin”, Gordon Center for Energy Studies (Tel Aviv University), 10/01/2000-09/30/2001, $2,500.

Wdowinski, S., “Monitoring crustal deformation across the Dead Sea Fault using GPS observation”, Sackler Foundation, Tel Aviv University, 10/01/2000-09/30/2001, $6,600.

Wdowinski, S. and Y. Bock, “Establishment of automated near real-time system for downloading GPS data from the GIL network permanent stations”, Survey of Israel, 10/01/2000-09/30/2001, $40,000.

Bear, G., Wdowinski, S., and Y. Meltzer, “Establishment of an integrated INSAR-GPS system for studying 10 years of crustal deformation along the Dead Sea Fault System”, Survey of Israel, 10/01/1999-09/30/2003, $230,000 [CoPI portion: $80,000].

Wdowinski, S. and P. Alper, “Mapping atmosphere water vapor content using GPS observations”, Sackler Foundation, Tel Aviv University, 10/01/1999-09/30/2000, $10,000.

Wdowinski, S. and P. Alper, "Mapping atmospheric water vapor content using GPS observations", Tel Aviv University, 10/01/1999-09/30/2000, $7,000.

Wdowinski, S., and Y. Bock "Establishment of Global Positioning System Infrastructure in Israel for Geodetic and Geophysical Applications", Israel Space Agency, 10/01/1997-09/30/2000, $200,000.

Wdowinski, S., and Y. Bock "Establishment of Global Positioning System Infrastructure in Israel for Geodetic and Geophysical Applications", Survey of Israel, 10/01/1997-09/30/2000, $150,000.

Sivan, D. and S. Wdowinski, "Holocene sea level changes", Natural Center for Cooperation between Science and Archaeology, 10/01/1997-09/30/1998, $7,600 [CoPI portion: $3,800].

Wdowinski, S., "A new theory of intraplate tectonics", Tel Aviv University, 10/01/1997-09/30/1998, $3,500.

Wdowinski, S., "Numerical models of continental extension", Tel Aviv University, 10/01/1996-09/30/1997, $3,500.

Wdowinski, S., "Detection of coseismic deformation induced by the 1995 Nuweiba earthquake", Tel Aviv University, 10/01/1996-09/30/1997, $3,200.

Wdowinski, S., "Seismic hazard assessments using GPS observations", Gordon Center for Energy Studies (Tel Aviv University), 10/01/1996-09/30/1997, $4,000.

Wdowinski, S., "Geodetic measurements using GPS observations", Keshet (Tel Aviv University), 10/01/1996-09/30/1997, $14,000.

Wdowinski, S., "Preliminary calculations of Israel-Sinai plate velocity using GPS data", Israel Ministry of Energy, 10/01/1995-09/30/1997, $20,000.

Wdowinski, S., "The development the Dead Sea Rift and its implications on oil prospect in the Dead Sea Basin", Gordon Center for Energy Studies (Tel Aviv University), 10/01/1994-09/30/1995, $2,000.

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS – N/A

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

2018	FIU Top Scholar – Established Faculty with significant grants.
2017	FIU College of Art, Sciences, and Education (CASE) Award for Research.
1990-1992	Ida and Cecil Green scholarship for postgraduate research in Geophysics, IGPP, Scripps Institution of Oceanography, UCSD.

OFFICES HELD IN PROFESSIONAL SOCIETIES

AGU – Canvassing committee, Geodesy Section, member (2017-present).
AGU – Honor selection committee, Geodesy Section, member (2015-2016).
UNAVCO – Geodetic Data Services Advisory Committee, Chair (2015-2018).
UNAVCO – WInSAR Advisory Committee, member (2011-2014).
UNAVCO – Education & Outreach Advisory Committee, Chair (2010-2012).

UNAVCO – Board member (2008-2009).

MAeSUREs - Advisory Committee, member (2009-2014).

Served as an expert in the two panels of the Israeli parliament (Knesset) discussing Earthquake mitigation and preparations (2000-2001).

International Association of Seismology and Physics of the Earth's Interior (IASPEI) Commission on Geodynamics and Tectonophysics, 1995-1999.

International Association of Geodesy (IAG) Special Study Group, Continuous GPS networks, 1995-1999.

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Editorial responsibilities:

Sensor, Editorial Board, 2019-present.

Journal of Geophysical Research (JGR), associate editor, 2009-2015.

Tectonophysics, associate editor, 2002-present.

Journal of Geodynamics, Guest editor for Special Issue on Geodetic Earth System, 2012-present.

Israel Journal of Earth Sciences, guest editor for a special issue on "Geodetic studies in Israel", 2000-2001.

Israel Journal of Earth Sciences, associate editor, 1999-2005.

Israel Geological Society, 1999-2000, organizing committee.

TEACHING

Classes taught:

Florida International University,

Geospatial measurement techniques/Adv. in Earth and Environmental Sciences, 2019-20

Geophysical data analysis, 2018-19

Introduction to GIS, 2017-18

Environments of a changing planet, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21

Geological Excursion/Adv. Field Excursion, 2017-18, 2019-20

University of Miami,

Geophysics, 2005-06, 2007-08, 2008-09

Structural Geology, 2010-11, 2011-12

Natural disasters: Hollywood versus reality, 2006-07, 2007-08, 2008-09, 2009-10, 2010-11

Mathematical methods for geo-scientists, 2007-08, 2009-10, 2010-11, 2011-12, 2013-14, 2015-16

Hydrological Hazards, 2015-16, 2016-2017

Tel Aviv University, 1994-2004 (courses taught)

Physics of the earth, 1994-95

Structural geology, 1995-96; 1996-97; 1997-98; 1998-99; 1999-2000, 2000-2001, 2003-2004

Potential methods, 1995-96.

Mathematical methods for geophysicists, 1995-96; 1996-97; 1997-98; 1998-99; 1999-2000.

Geodynamics, 1996-97; 1998-99; 2000-2001.

Tectonics Seminar, 1995-96; 1996-97; 1997-98; 1998-99; 1999-2000; 2000-2001; 2003-2004

Principles and applications of GPS technology, 1997-98; 1998-99; 2000-2001.

Geology of Israel, 1998-1999; 1999-2000; 2000-2001.

Mentoring:

Ph.D THESIS

	Year	Student's Name	Title of Thesis	Academic Institution
Member	1995-1999	Uri Basson	Imaging of active fault zone in the Dead Sea Rift: Evrona Fault Zone as a case study	Tel Aviv University
Member	2005-2008	Gina Schmalzle	The earthquake cycle of strike-slip faults	University of Miami
Member	2005-2009	Kim Outerbridge	Slow Slip Beneath the Nicoya Peninsula, Costa Rica and Its Effect on the Interseismic Cycle	University of Miami

Chairman	2005-2011	Batuhan Osmanoglu	Applications and development of new algorithms for displacement analysis using InSAR time series	University of Miami
Chairman	2006-2012	Yan Jian	Detection of nonlinear crustal movements using Global Positioning System	University of Miami
Member	2006-2012	Scott Backer	Investigating the dynamics of basaltic volcano magmatic systems with space geodesy	University of Miami
Member	2008-2013	Estelle Chaussard	Characterization of Volcanic and Land Subsidence Hazards at Regional Scales: Contributions from Space Geodesy	University of Miami
Member	2009-2014	Fernando Greene	Surface Deformation measured with Interferometric Synthetic Aperture Radar: Case Studies of Basin and Range and Garlock-San Andreas Faults	University of Miami
Member	2010-2014	Marco Bagnardi	Dynamic of magma supply, storage and migration at basaltic volcanoes: Geophysical studies of the Galapagos and Hawaiian volcanoes	University of Miami
Member	2010-2014	Qiong Zhang	Subsurface structure and dynamic triggering of earthquakes	University of Miami
Member	2010-2014	Luis Perez	Development of a methodology that couples satellite remote sensing measurements to spatial-temporal distribution of soil moisture in the Vadose zone of the Everglades National Park	Florida International University
Member	2010-2014	Mehrnoosh Mahmoudi	Numerical Modeling of Spatial and Temporal Patterning of Water and Vegetation in Wetland Ecosystems	Florida International University

Chairman	2010-2015	Emanuelle Feliciano-Bonilla	Multi-scale remote sensing assessments of forested wetlands: Applications to the Everglades national park	University of Miami
Member	2011-2015	Harash Fattahi	Geodetic imaging of tectonic deformation with InSAR	University of Miami
Member	2011-2015	Wenliang Zhao	Small deformation detected from InSAR time-series and their applications to surface and near-surface loading	University of Miami
Member	2012-2016	Peng Li	Innovations in seismic tomography, their applications and induced seismic events in carbon sequestration	University of Miami
Member	2012-2017	Yoangel Torres	Tunnel detection and localization using interferometric SAR data	University of Miami
Member	2012-2017	Anieri Morales-Rivera	Geophysical characterization and modeling of volcanic systems	University of Miami
Chairman	2013-2018	Dario Solano-Rojas	Geological hazard assessments for Mexico City and its surroundings based on synthetic aperture radar interferometry (InSAR) observations	University of Miami
Chairman	2013-2018	Talib Oliver-Cabrera	InSAR applications for environmental and hazard monitoring	University of Miami
Chairman	2014-2019	Emre Havazli	Quantifying the effect of tropospheric delay on InSAR and its application for crustal deformation	University of Miami
Member	2014-2019	Yunjun Zhang	Geodetic imaging of volcanic deformation with time series radar interferometry	University of Miami
Chairman	2017-	Boya Zhang		Florida International University
Member	2017-	Tonian Robinson		University of Southern Florida
Chairman	2018-	Selena Chavez		Florida International University

Member	2020-	Jonathan Rodemann		Florida International University
Member	2020	Juan Ignacio Martin de Blas		University of Copenhagen

MASTERS THESIS

	Year	Student's Name	Title of Thesis	Academic Institution
Chairman	1995-1998	Noa Bechor	Current tectonic movements in the Israel-Sinai sub-plate using GPS observations	Tel Aviv University
Chairman	1996-1998	Shahak Pe'eri	Continuous geodetic monitoring of crustal deformation along the Dead Sea Fault, utilizing a permanent GPS network	Tel Aviv University
Chairman	1998-1999	Shaul Bar-Ner	The precision of site velocity calculated from GPS field campaigns	Tel Aviv University
Chairman	1998-2001	Uri Shatner	Geodetic monitoring of surface deformation along the western shores of the Dead Sea using GPS and InSAR observations	Tel Aviv University
Member	1998-2001	Edna Barko	Combined geometric process to recover the thematic ability of hyperspectral airborne scanner	Tel Aviv University
Chairman	1998-2001	Shmuel Na'aman	Ionospheric contribution to geomagnetiv variations: the August 11th solar eclipse as a case study	Tel Aviv University
Chairman	1999-2001	Aya Mor	Remote sensing of atmospheric water vapor using the GIL network of permanent GPS stations in Israel	Tel Aviv University
Member	2005- 2006	Bernando Bieler	Hydrologic Modeling and Remote Sensing of Water Flow and Vegetation in Wetlands	University of Miami
Member	2007- 2008	Amy Cohen	Monitoring the hydrologic cycle of the Florida Everglades using ERS,	University of Miami

			RADARSAT, and JERS Synthetic Aperture Radar	
Member	2011- 2012	Yu Wang	Detecting vegetation recovery patterns after hurricanes in south Florida using NDVI time series	University of Miami
Chair	2018- 2019	Lajhon Campbell	Deformation analysis of the South American continent.	Florida International University
Chair	2019-	Daniela Villalba		Florida International University

Post-doctoral researchers

	Year	Name	Research field	Academic Institution
Advisor	2004-2006	Sang-Wan Kim	Space-based monitoring of wetland hydrology	University of Miami
Advisor	2007-2010	Sang-Hoon Hong	Space-based monitoring of wetland hydrology	University of Miami
Advisor	2014-2015	Gina Schmalzle	Vertical crustal movements in western US	University of Miami
Advisor	2018-2019	Dario Solano-Rojas	Urban subsidence	Florida International University
Advisor	2018-2020	Talib Oliver-Cabrera	Space-based detection of sinkhole activities	Florida International University
Advisor	2018-2020	Heming Liao	Environmental applications of InSAR	Florida International University
Advisor	2018-2021	Shanshan Li	Cascading hazards	Florida International University