

# PHILIP EDWARD VAN BEYNEN

Updated June, 2012

Associate Professor  
Department Geography, Environment and Planning  
College of Arts and Sciences  
University of South Florida, Tampa, FL

Phone: (813) 974-3026  
Email: [vanbeyne@usf.edu](mailto:vanbeyne@usf.edu)

## **EDUCATION**

---

- 1994 – 1998 **Ph.D. in Geography**, McMaster University, Hamilton, Ontario, Canada  
Thesis: Investigations into the fluorescence of calcitic speleothems  
Supervisor: Dr. Derek Ford
- 1992 – 1994 **Master of Arts (Geography)** 1<sup>st</sup> Class Honours, Auckland University, New Zealand  
Thesis: Paleo-environmental analysis of speleothems  
Supervisor: Dr. Paul Williams
- 1989 – 1991 **Bachelor of Arts (Geography)**, Auckland University, New Zealand

## **RESEARCH POSITIONS**

---

- 1998-2000 **Post-Doctoral Fellow**, School of Geography and Geology, McMaster University, Hamilton, Ontario, Canada.

## **ACADEMIC POSITIONS**

---

- 2009-current **Associate Professor**: Department of Geography/Environmental Science and Policy Program, University of South Florida
- 2008-2010 **Graduate Director**: Department of Geography/Environmental Science and Policy Program, University of South Florida
- 2003-2009 **Assistant Professor**: Department of Environmental Science and Policy, University of South Florida
- 2000-2003 **Assistant Professor**: Department of Geography, Central Connecticut State University

- 1996-2000     **Instructor:** Department of Geography, McMaster University
- 1994-1998     **Teaching Assistant:** Department of Geography at McMaster University
- 1992-1993     **Tutor:** Department of Geography at Auckland University

## **RESEARCH ACTIVITIES**

---

### ***Book***

van Beynen, P.E. (editor) (2011). *Karst Management*. Springer Publishing, Dordrecht

### ***Peer refereed publications***

- Polk, J.S., van Beynen, P.E., Polyak, V., and Asmerom, Y. (2013), *Reconstructing Past Climates using Carbon Isotopes from Fulvic Acids in Cave Sediments*. *Chemical Geology* Vol. 360-361, 1-9
- van Beynen, P.E. and Bialkowska-Jelinska, E. (2012), *Human disturbance of the Waitomo Catchment, New Zealand*. *Journal of Environmental Management*, vol. 108, 130-40.
- van Beynen, P.E., Brinkmann, R. and van Beynen, K.M. (2012) *Creation of a sustainability index for karst environments*. *Journal of Cave and Karst Studies* vol. 74. No. 2, 221-234.
- van Beynen, P.E., Niedzielski, M.A., Bialkowska-Jelinska, E., Alsharif, K., Matusick, J. (2011) *Comparative Study of Specific Groundwater Vulnerability of a Karst Aquifer in Central Florida*. *Applied Geography*, Vol. 32, No. 2. doi:10.1016/j.apgeog2011.09.005
- van Beynen, P.E and van Beynen, K.M. (2011) *Human disturbance of karst environments*. In van Beynen, P.E. (ed) *Karst Management*. Springer Publishing, Utrecht (379-398).
- Polk, J.S., van Beynen, P. and Wynn, J. (2011) *An isotopic calibration study of precipitation, cave dripwater, and climate in west-central Florida*. *Hydrological Processes*. Published online in Wiley Online Library, (wileyonlinelibrary.com) DOI: 10.1002/hyp.8169
- Harley, G., Polk, J., Reeder, P., and van Beynen, P. (2010) *Using a GIS-based inventory for cave management implementation at Withlacoochee State Forest, Florida*. *Journal of Cave and Karst Studies*. v. 72, no. 1, p. 35–42.
- North, L. and van Beynen, P.E. Parise, M. (2009). *Interregional comparison of karst disturbance: West-Central Florida and Southeast Italy*. *Journal of Environmental Management*, 90 (5), 1770-1781.

- Ortega, L.A., Heupel, M.R., van Beynen, P.E. and Motta, P. (2009). Home range, movement patterns, and water quality preferences of juvenile bull sharks (*Carcharhinus leucas*) in a Florida nursery. *Environmental Biology of Fishes*, 84 (4), 361-373.
- van Beynen, P.E., Soto, L., and Polk, J. (2008) Variable calcite deposition rates as proxy for paleo-precipitation determination as derived from speleothems in Central Florida. *Journal of Cave and Karst Studies*, 70 (1).
- van Beynen, P.E., Soto, L., and Pace-Graczyk, K., (2007). Paleoclimate reconstruction derived from speleothem strontium and  $\delta^{13}\text{C}$  in Central Florida. *Quaternary International* doi:10.1016/j.quaint.2007.03.019. Available online.
- van Beynen, P.E., Asmerom, Y., Polyak, V., Soto, L., and Polk, J.S. (2007) Variable intensity of teleconnections during the Late Holocene in Subtropical North America from an isotopic study of speleothem from Florida. *Geophysical Research Letters* 34, L18703, doi:10.1029/2007GL031046.
- Polk, J.S., van Beynen, P.E., and Reeder, P.P., (2007). Late Holocene environmental reconstruction using cave sediments from Belize. *Quaternary Research* 68, 53-63.
- van Beynen, P.E., Feliciano, N., North, L. and Townsend, K. (2006) Application of a Karst Disturbance Index in Hillsborough County, Florida. *Environmental Management* 39, 261-277. Published online November 2006, in print Feb 2007.
- van Beynen, P.E. and Febberollo, P.J. (2006) Stable isotope record of precipitation and cave water for Indian Oven Cave, NY. *Hydrological Processes* 20, 1793-1803.
- van Beynen, P.E. and Townsend, K.M. (2005) A Disturbance Index for Karst Environments. *Environmental Management* 36 (1) 101-116.
- van Beynen, P.E., Schwarcz, H.P. and Ford, D.C. (2004) Holocene climatic variability recorded in a speleothem from McFail's Cave, New York. *The Journal of Cave and Karst Studies*, 66 (1), 20-27.
- van Beynen, P.E., Ford, D.C., Schwarcz, H.P., and Timmins, G.T. (2002) Annual laminae in speleothems: their production and significance. *Canadian Journal of Earth Sciences* 39, 279-284.
- van Beynen, P.E., Bourbonniere, R.A, Ford, D.C., and Schwarcz, H.P. (2001), Causes of colour and fluorescence in speleothems. *Chemical Geology* 175, 319-341.

van Beynen, P.E., Ford, D.C., and Schwarcz, H.P. (2000) Seasonal Variability in Organic Substances in Surface and Cave Waters. *Hydrological Processes* 14, 1177-1197.

### ***Non-peer-reviewed Publications***

Brinkmann R., Hafen M., and Van Beynen P. (2010) Paleosinkholes and Modern Sinkholes in the Brooksville Ridge Region of Florida, USA: Clues to Landscape Genesis. 2nd Workshop Internazionale I Sinkholes Gli sprofondamenti catastrofici nell'ambiente naturale ed in quello antropizzato Roma, 3-4 December 2009. pp. 203-212

Ford, D., van, Beynen. P. (2008). *Derek Ford: Oral History*. Tampa, Fla: University of South Florida Libraries, University of South Florida Tampa Library.

### ***Technical Reports***

van Beynen. P.E. 2009. Executive Summary of Key Finding: 2007 CAS diversity survey. College of Arts and Sciences, University of South Florida

Reeder, P. van Beynen, P.E., Polk, J., Wofel, U., Colas, P.R., Stengert, K., and Webster, J. 2006. Annual report on multidisciplinary research activities on the northern Vaca Plateau for 2006. Technical Report for the Institute of Archaeology, Belize.

Reeder, P., van Beynen, P., Polk, J., Wofel, U., Colas, P., Blackwelder, P. 2005. Annual Report on Multidisciplinary Research Activities on the Vaca Plateau for 2005. University of South Florida.

Reeder, P., van Beynen, P., Polk, J., Florea, L., and Yuelling, A. 2004. A report on multidisciplinary research conducted on the Northern Vaca Plateau, Belize in 2004. Technical Report for the Government of Belize.

### **ACADEMIC GRANTS AND FELLOWSHIPS**

2008-2013	National Science Foundation Grant, \$269,000 Title: P2C2: Tropical-Subtropical Teleconnections During a Warmer Climate: 5-7 ka BP
2007-2009	Southwest Florida Water Management District Grant, \$30,688 Title: Climate variability in west Florida using cave sediments
2007-2009	Southwest Florida Water Management District Grant, \$34,063 Title: Climate variability in west Florida using speleothems
2007-2009	Southwest Florida Water Management District Grant, \$12,500 Title: Calibration study for Florida speleothems
2007	USF College of Arts and Sciences Internal Travel Grant, \$750
2006	USF New Researcher Grant, \$9,165

- 2004 Title: Late Holocene environmental reconstruction using cave sediments  
from Central Florida  
USF New Researcher Grant, \$8,450
- 2002 Title: The Holocene History of Aquifer Recharge in Western Central  
Florida as Derived from Speleothems  
EPA Environmental Education Grant, \$10,000
- 2002 Title: Local Environmental Health Education  
Connecticut State University Research Grant, \$3,200
- 2001 Title: Climate significance of fluorescence from North-eastern USA  
speleothems  
Connecticut State University Research Grant, \$4,000
- 1998–99 Title: Seasonal variations in oxygen isotopes of rain and cave water at  
Tories Cave, CT.  
Post Doctoral Fellowship
- 1994 – 1997 Graduate Scholarship, Department of Geography, McMaster University
- 1994 McMaster University Centennial Scholarship

### **CONFERENCE PRESENTATIONS**

- van Beynen, P.E., and Pollock, A., 2012, Cyclicity of mid-Holocene Paleoprecipitation in Belize, AAG Meeting, New York, February 24-28.
- van Beynen, P.E., Pollock, A., Asmerom, Y., Polyak, V, Polk, J. 2011. A high-resolution Floridian speleothem record for the Mid-Holocene. The 6th Karst Record Conference (KR6) on Climate Change, Birmingham, UK.
- Pollock A., van Beynen, P.E., Asmerom, Y., Polyak, V, Polk, J. 2011. A Central American Mid-Holocene Climate Record. The 6th Karst Record Conference (KR6) on Climate Change, Birmingham, UK.
- Van Beynen, P.E., Leech, A., and Polk, J.S. 2010. Mid-Holocene Climate Reconstruction for Subtropical North America. AAG Meeting, Washington DC, April 14-18.
- Polk, J.S. and van Beynen, P.E. 2010. Late Holocene Climate Change and precipitation variability in Florida. 2010 GSA Denver Annual Meeting (31 October –3 November 2010)
- North, L. and van Beynen, P.E. 2010. Karst Tourist Attractions as Venues for Enhancing Informal Karst Education. 2010 GSA Denver Annual Meeting (31 October –3 November 2010)
- Van Beynen, P.E. and Brinkmann, R. 2010. Creating a Sustainability Index for Karst Environments. 2010 GSA Denver Annual Meeting (31 October –3 November 2010)
- van Beynen, P.E., Polk, J.S. and Willard, D. 2009. Holocene changing vegetation as recorded by cave sediments. Association of American Geographers Annual Meeting, Las Vegas, May.

- van Beynen, P.E., Asmerom, Y., Polyak, V., Soto, L., Polk, J.S., 2008. Florida speleothem records variable intensity of teleconnections during Late Holocene in subtropical North America. *National Speleological Society Convention Program Guide*, Florida. p.123.
- van Beynen, P. and Townsend, K., 2008. A Disturbance Index for Karst Environments. Association of American Geographers Annual Meeting, Boston, April.
- North, L., van Beynen, P., and Parise, M. 2008. "Interregional Comparison of Karst Disturbance: West-Central Florida and Southeast Italy." Association of American Geographers 2008 Annual Meeting, Boston, MA.
- van Beynen, P. Matusick, J. and Zanbergen, P. 2007. Comparative study of groundwater vulnerability models in a karst aquifer in Central Florida. European Geosciences Union General Assembly, Vienna, Austria, 15 – 20 April 2007.
- Polk, J.S. and van Beynen, P. 2007. A Multi-proxy Approach to Using Cave Sediment Carbon Isotopes for Late Holocene Paleoenvironmental Reconstruction in Florida. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP43B-1265.
- Polk, J.S., van Beynen, P., and Harley, G.L., 2007. Late Holocene Paleoenvironmental Changes: Evidence from Cave Sediments in Florida. *National Speleological Society Convention Program Guide*, p. 111.
- Polk, J.S., van Beynen, P., and Harley, G.L., 2007. Environmental Reconstruction During the Late Holocene from Cave Sediments in Jennings Cave, Marion County, Florida. Florida Society of Geographers 43<sup>rd</sup> Annual Meeting, Jacksonville, Florida.
- North, L., and van Beynen, P., 2007. Applying the Karst Disturbance Index in West-Central, Florida. National Speleological Society 2007 Annual Meeting, Morengo, IN.
- North, L., and van Beynen, P., 2007. Applying the Karst Disturbance Index in West-Central, Florida. Association of American Geographers 2007 Annual Meeting, San Francisco, CA.
- van Beynen, P.E., Soto, L.R., Polk, J.S., and Asmerom, Y., 2006. Late Holocene Precipitation Reconstruction for Central Florida Derived from Speleothems. *Geological Society of America Abstracts with Programs*, Vol. 38, No. 7, p. 489.
- Polk, J.S., van Beynen, P.E., and Reeder, P., 2006. Environmental Reconstruction since 2,500 Years Ago Using Cave Sediments from Belize. *Archives of Climate Change in Karst*. Proceedings of the Symposium Climate Change: The Karst Record. Onac, B.P., Tamas, T., Constantin, S., and Persoiu, A., eds. Karst Waters Institute: Special Publication 10.
- Polk, J.S., van Beynen, P., and Harley, G., 2006. Environmental Reconstruction during the late Holocene from Cave Sediments in Jennings Cave, Marion County, Florida. Philadelphia Annual Meeting (22–25 October 2006) Paper No. 153-8.

- Polk, J.S., van Beynen, P., and Reeder, P., 2006. Environmental Reconstruction since 2,500 Years Ago Using Cave Sediments from Belize. Climate Change: The Karst Record IV International Conference, Baile Herculane, Romania.
- Polk, J.S., van Beynen, P., and Reeder, P., 2006. "Paleoclimate Inferences from Belize  $\delta^{13}\text{C}$  Variations in Cave Sediments." University of South Florida 5th Annual Graduate Student Research Symposium
- Soto, L., van Beynen, P.E., Polk, J., Polyak, V. and Asmerom, Y. 2005. South Eastern USA Millennial Precipitation Reconstruction from a Floridian Speleothem. Geological Society of America, Annual meeting, Utah 2005
- Polk, J.S., van Beynen, P.E. and Reeder, P. 2005. Paleoclimate Inferences in Belize:  $\delta^{13}\text{C}$  Variations in Cave Sediments. Geological Society of America, Annual meeting, Utah 2005
- Hollander, D., Soto, L. Polk, J. and van Beynen, P.E. 2005. Intercomparison of speleothem and lake geochemical proxy records for interpreting paleohydrologic conditions on sub-tropical North America during the late Holocene. American Geophysical Union, San Francisco Annual Meeting 2005.
- van Beynen, P.E., Soto, L., Cross, E., van Vleet, T., Hollander, D., Asmerom, Y., and Polyak, V. (2004) Comparison of Paleohydrologic Records for the Gulf of Mexico. Geological Society of America Annual Meeting, Denver.
- van Beynen, P.E.(2003) Stable isotope record of precipitation and cave water for Indian Oven Cave, NY. Association of American Geographers, New Orleans.
- van Beynen, P.E., Ford, D.C., and Schwarcz, H.P., (2001) From the Sangamon to the Holocene: A comparison of five speleothem isotopic records. New York. Association of American Geographers, New York City.
- van Beynen, P.E., Morrison, J., Ford, D.C., and Schwarcz, H.P., (2000) Holocene climatic variability measured by speleothems in McFail's Cave, New York. Association of American Geographers, Pittsburgh.
- van Beynen, P.E., Morrison, J., Ford, D.C., and Schwarcz, H.P. (1999) Holocene and Late Quaternary high resolution climate records from four North American speleothems Geological Society of America, Denver.
- van Beynen, P.E., Ford, D.C., and Schwarcz, H.P., (1999) A high resolution climate record of the last interglacial from a West Virginian Speleothem, Canadian Geophysical Union, May, in Banff.

van Beynen, P.E., Ford, D.C., and Schwarcz, H.P., (1999), Studies of fluorescence in annual growth layers in modern calcitic speleothems, Canadian Geophysical Union, May, in Banff.

van Beynen, P.E., Timmins, G., Ford, D.C., and Schwarcz, H.P., (1998) Fluorescence in Modern Speleothems: Annual Laminae and Their Significance, Geological Society of America Meeting, Toronto, October 1998.

van Beynen, P.E., Ford, D.C., and Schwarcz, H.P. (1997), Characterization and Seasonality of Humic Substances in Cave Water, Marengo Cave, Indiana, Proceedings of the 12th International Congress of Speleology, Switzerland, pp. 262.

### **CONFERENCE SESSIONS ORGANIZED**

---

2012 Association of American Geographers Annual Meeting in New York: Quaternary Environmental Change: Student Oral Presentations. February 24-28.

2011 Association of American Geographers Annual Meeting in Seattle: Quaternary Environmental Change: Student Oral Presentations. April 9-13.

2008 Association of American Geographers Annual Meeting in Boston. Environmental Assessment of Karst Landscapes. April 14-19.

### **INVITED PRESENTATIONS**

---

Philip van Beynen. 2008. Florida's Underworld: Investigations into Climate Change. College of Arts and Sciences Evening with Scholars.

Philip van Beynen, 2008. Global Warming. Tampa Bay Catholic Archdiocese Workshop on Global Climate Change.

Philip van Beynen. 2007. Global Warming. USF Association of Retirees, Sept. 11, 2007

Philip van Beynen. 2007. Reconstructing drought for Central Florida: The last 2,000 years. Climate Change Forum, Tampa, May 9, 2007

Philip van Beynen, 2007, Climate Change. Global Warming Forum. March 2007. Congregation Schaarai Zedek, Tampa.



Philip van Beynen, Limaris Soto, Jason Polk and Yemane Asmerom. 2006. Reconstruction of late Holocene precipitation for western Florida: A speleothem record. Southwest Florida Water Management District.

Philip van Beynen, Limaris Soto, Jason Polk, Yemane Asmerom and Victor Polyak, 2005, Reconstruction of late Holocene precipitation for Florida: A speleothem record. University of Florida, Department of Geology, Graduate Seminar Series

Philip van Beynen, Limaris Soto, Jason Polk, Yemane Asmerom and Victor Polyak, 2005, Reconstruction of late Holocene precipitation for Florida: A speleothem record. St John's River Water Management District: Climate Change Influences on Water Resources Symposium Series.

Philip van Beynen, USF Geology Dept, Colloquium Series, 2005-2006.

## **TEACHING ACTIVITIES**

---

### ***Courses taught***

2003-current **Assistant Professor: Department of Geography - Environmental Science and Policy Program, University of South Florida**

#### *Undergraduate Courses Taught*

EVR 2001 001	Introduction to Environmental Science
EVR 4104 001	Karst Environments
EVR 4114 001	Climate Change
GEOG 2200 001	Introduction to Physical Geography

#### *Graduate Courses Taught*

EVR 6922 901	ESP Capstone Seminar
EVR 6934 001	Paleoclimatology
GEOG 6209C	Management of Florida Landforms

2000-2003 **Assistant Professor: Department of Geography, Central Connecticut State University**

#### *Undergraduate Courses Taught*

Geog 110 Introduction to Geography  
Geog 110 Introduction to Geography (First Year Experience)  
Geog 272 Introduction to Physical Geography  
Geog 275 Soils and Vegetation  
Geog 270 Geography of Environmental Hazards  
Geog 374 Climatology

Geog 442 Field Methods in Geography  
Geog 472 Geomorphology  
Geog 459 Field Methods in Regional Geography: Landscapes of New Zealand  
IS 490 International Studies: Studies of New Zealand

1996-2001 **Instructor: Department of Geography, McMaster University**

Undergraduate Courses Taught  
Biogeography: Environmental Change and the Biosphere  
Regional Geography: NZ and Australia  
Research Methods and Communication  
The Shifting Earth

### **Doctoral Dissertation Committees**

Major Professor      Jason Polk (ESP – completed 2009)  
                                 Leslie North (ESP – completed 2011)  
                                 Anna Leech (ESP - ongoing)  
                                 Sandra Garren (ESP - ongoing)  
                                 Andrea Hall (ESP – ongoing)  
                                 Johanna Kovarik (ESP – ongoing)  
                                 Ela Bialkowska-Jelinska (ESP – ongoing)

Committee member    Lee Florea (Geology– completed November 2006)

### **Chair of Doctoral Dissertation Examination Committees**

Joseph van Gaalen, 2011, Dept. of Geology, USF.  
Keith Garman, 2010, Dept. of Cell Biology, USF  
Christina Stringer, 2010, Dept. of Geology, USF.  
Dorien McGee, 2010, Dept. of Geology, USF.  
Christina Stringer, 2010, Dept. of Geology, USF.  
Jennifer Sliko, 2010, Dept. of Geology, USF.  
Sophie Pearson, 2009, Dept. of Geology, USF.  
Rick Bowersox, 2006, Dept. of Geology, USF.

### **Master's Thesis Committees**

Major Professor      Jason Polk (ESP – upgraded to Ph.D.)  
                                 Limaris Soto (Geology – completed November 2005)  
                                 Leslie North (ESP – completed July 2007)  
                                 Lori Ortega (ESP – completed April 2008)

Charles McCrackin (ESP – completed May 2012)  
Michael Reyes (ESP – completed May 2012)  
Monetta Wilson (ESP – completed April 2009)

Committee member Kelly Wilson (ESP – completed 2004)  
Richard Walther (Geology – completed 2005)  
Jeanne Lambert (ESP – completed March 2006)  
Kirk Sanders (ESP – completed May 2006)  
Kali Pace-Graczyk (Geology – completed July 2007)  
Irene Rehberger Bescos (ESP – completed May 2012)  
Garrett Hyzer (ESP – completed May 2012)

### **Chair of Undergraduate Honor's Thesis**

Nilda Feliciano  
Joseph White  
Kristin Johnson

### **MEDIA APPEARANCES/INTERVIEWS**

---

#### **Newspaper interviews:**

2007 Sarasota Herald-Tribune, Hurricanes  
2006 Bradenton Herald, Renewable Energy  
2013 Tampa Bay Times, Interview with Ben Montgomery, Sinkholes  
Tampa Bay Times, Video Interview, Sinkholes  
USA Today, Interview with Rick Jervis, Sinkholes

#### **Television and Radio interviews:**

2011 Bay News 9, Sinkholes  
2011 Action News 10 Tampa, Sinkholes  
2013 Action News 10 Tampa, Sinkholes  
2013 NBC News Channel 8, Tampa, Sinkholes  
Fox 13 News Channel, Tampa, Sinkholes  
Australian Broadcasting Corporation, 774 ABC Melbourne, Nightlife with Tony Delroy, Sinkholes.

#### **Other venues:**

Youtube video on karst

### **UNIVERSITY SERVICE**

---

***University of South Florida***

2012 - present Vice-Chair, College of Arts and Sciences Faculty Development Committee

2011- present ESP Program Undergraduate Curriculum Committee

2009-11 ESP Ad Hoc Planning Committee

ESP Undergraduate Curriculum Committee

2009 Chair, College of Arts and Sciences Diversity Committee

2008 College of Arts and Sciences Diversity Committee

ESP Ad Hoc Planning Committee

Geography Undergraduate Curriculum Committee

USF Internal Grant Reviewer

2007 College of Arts and Sciences Diversity Committee

ESP Ad Hoc Planning Committee

USF Internal Grant Reviewer

2006 ESP Undergraduate Curriculum Committee

ESP Ad Hoc Planning Committee

ESP Graduate Committee

Faculty Search Committee for ESP

USF Internal Grant Reviewer

2005 Chairman of ESP Undergraduate Curriculum Committee

Faculty Search Committee for ESP

Faculty Search Committee for Geography

ESP-Geography Merger Committee

2004 Chairman of ESP Undergraduate Curriculum Committee

Committee member of Faculty Search Committee for ESP

2003 Committee member of Undergraduate Committee

***Central Connecticut State University***

2003 Member of Faculty Development Grant Committee

Member of CCSU University-wide Undergraduate Curriculum Committee

Member of Faculty Search Committee for Geography Dept.

2002           Member of Faculty Development Grant Committee  
                  Alternate for University-wide Undergraduate Curriculum Committee  
                  Geography Faculty Meeting Secretary

**SERVICE TO SCIENTIFIC COMMUNITY**

---

***Professional organizations***

Geological Society of America  
Association of America Geographers

***Reviewer for Refereed Journals***

Chemical Geology	Environmental Management
Journal of Hydrology	Environmental Geology
Environmental Engineering	European Journal of Soil Science
Quaternary International	Hydrological Processes
Atmosfera	Zeitschrift für Geomorphologie
Environmental Monitoring & Assessment	Journal of Cave and Karst Studies
Hydrogeology Journal	Earth and Planetary Science Letters
Journal of International Speleology	

***Reviewer for Federal Government***

National Science Foundation

***Reviewer of Book Chapters***

Cave Science, British Caving Association.

***Board Member of Academic Association***

Association of American Geographers, Paleoenvironmental Specialty Group, 2010-2012.

**SERVICE TO THE COMMUNITY**

---

2011- 2012    Great American Teach-in, Jamerson Elementary School, Presenter  
2011           ClubSports Kids soccer coach  
2009 to date   Crescent Lake Clean Up, St. Petersburg, Volunteer