

CURRICULUM VITAE

DR. JASON E. VANHORN

Dr. VanHorn is an expert in cartography, Geographic Information Systems (GIS) and remote sensing. He holds a PhD from The Ohio State University, Master of Science from Texas A&M University, and a Bachelor of Arts from Indiana University. He is the current Director of the MSGIScience Program and the former GEO Department Chair at Calvin University. Professor VanHorn has four major research themes: 1) cartographic history and philosophy of geographic thought, 2) counter/anti-terrorism spatial dimensions, 3) the spatial science of geomorphology and physiography, and 4) Christian geography and application. He has directed over twenty-five different GIS research projects since 2007. He has consulted on numerous projects and he has worked extensively with Ethiopian spatial data, having co-led the January 2012 Digital Atlas Workshop at Bahir Dar University and was the lead lecturer for the Ethiopian National Geospatial Standards Summit in December 2013 in Addis Ababa. He and his students have produced a series of national digital atlases and numerous online mapping applications, listed in this CV. He is an expert on the history of geography and especially twentieth century American cartographic history.

EDUCATION

PhD, 09/03 – 08/07, Dept. of Geography; The Ohio State University Advisor: Dr. Mei-Po Kwan
Dissertation: *Geovisualizing Terror: The Geography of Terrorism Threat in the United States*

Master of Science, 08/01 – 12/03, Dept. of Geography; Texas A&M University Advisor: Dr. Daniel Z. Sui
Thesis: *Exploring Potential Applications of Geographic Information Systems In Real Estate Appraisal*

Bachelor of Arts, 08/92 – 05/96, Indiana University, Bloomington IN Advisor: Dr. Daniel C. Knudsen
Double Major: *Geography and Political Science*

EMPLOYMENT

Calvin University, 2007 to present: Professor of Geography

- 2020-present: Director of Master of Science in Geographic Information Science
- 2015-2020: Co-Chair of the Department of Geology, Geography, and Environmental Studies

The Ohio State University, 2003 to 2007: Instructor of Geography, Teaching/Research Assistant

Texas A&M University, 2001 to 2003: Teaching Assistant/Lab Instructor

Campus Crusade for Christ, International, 1996 to 2001: Missionary

Indiana University, Bloomington, 1996: Undergraduate Teaching Instructor

SCHOLARSHIP

ACADEMIC PEER-REVIEWED PUBLICATIONS

Accepted – VanHorn, JE. Contributions by Erwin Raisz: Landforms of the United States, 1939, *Earth Sciences History, special issue on Great Maps in Geology*, (Ed) Dorothy Sack.

2022. VanHorn, JE. The Erwin Raisz plan to advance academic cartography in the United States.

International Journal of Cartography, <https://doi.org/10.1080/23729333.2022.2074940>.

2022. Alford KR, Rosendale KD, Koroma AH, DeRuiter SL, Pruijm R, VanHorn JE, Bone M, Deighton J,

- DenHaan A, Koeman J, Kornoelje S, Lika B, Stratton A, Walls L, N Wang. Evaluating filter functionality and user competence after a hollow fiber membrane filter intervention in Liberia. *Journal of Water, Sanitation and Hygiene for Development*.
2017. Bjelland, MD and JE VanHorn. The Geography of Worship. Calvin Institute of Christian Worship Research Guide. <https://worship.calvin.edu/resources/resource-library/the-geography-of-worship/>.
2015. VanHorn, JE and NA Mosurinjohn. A Needs-Based Approach to Accessibility and Location Efficiency of Congregational Social Programs, in *The Changing World Religion Map: Sacred Places, Identities, Practices and Politics*, Stanley Brunn (Ed), Springer 2015.
2014. Abigail Belford, Seth D. Kenbeek, Jason VanHorn, and Deanna van Dijk. Using Remote Sensing and Geospatial Analysis to Understand Changes to Lake Michigan Dunes. *Geological Society of America Special Papers*, 508-512. [https://doi.org/10.1130/2014.2508\(12\)](https://doi.org/10.1130/2014.2508(12)).
2010. VanHorn, JE and NA Mosurinjohn. Urban 3D GIS Modeling of Terrorism Sniper Hazards. *Social Science Computer Review*, November 2010 (28): 482-496. <https://doi.org/10.1177/0894439309360836>.
2008. Wheeler, DW, VanHorn, JE and E Paskett. A Comparison of Design-Based and Model Based Analysis of Sample Surveys in Geography. *The Professional Geographer*, 60 (4): 466-477. <https://doi.org/10.1080/00330120802212180>.

CARTOGRAPHIC PUBLICATIONS

- Forthcoming* – VanHorn, JE. 3 Maps in Calvinists and Indians in the Northeastern Woodlands, 1566-1750: Amsterdam University Press, by Dr. Stephen Staggs.
- Forthcoming* - VanHorn, JE. 10 Maps in The Wars of the Lord: The Puritan Conquest of America's First People, by Dr. Matthew Tuininga.
- 2021 VanHorn, JE. Map – New Netherlands in Declarations of Interdependence: The Nature of Dutch-Native Relations in New Netherland, 1624-1664: SUNY Press, by Stephen Staggs in Dutch and Indigenous Communities in Seventeenth-Century Northeastern North America: What Archaeology, History, and Indigenous Oral Traditions Teach Us about Their Intercultural Relationships edited by L. Lavin, p45.
- 2021 VanHorn, JE and N. Kastner. Returning Citizen Services 3.0. <http://gis.calvin.edu/rc>.
- 2020 VanHorn, JE. 3 Maps in The Fastest Game in the World: Hockey and the Globalization of Sports. Berkeley: University of California Press, 2020 by Bruce Berglund.
- 2019 VanHorn, JE and Liam Ferraby. Michigan Dunes Inventory GIS 2.0. An online application of the Michigan Dunes. <http://gis.calvin.edu/MDI>.
- 2018 C Kammel and JE VanHorn. Map – India in Christianity in India: Conversion, Community Development and Religious Freedom, edited by Rebecca Shah and Joel Carpenter. Minneapolis: Fortress Press, map, pg xii.
- 2018 Returning Citizen Services 2.0 VanHorn, JE and L. Ferraby. <http://gis.calvin.edu/rc>.
- 2018 Bolt, Grace M., Megumu Jansen, Jamison L. Koeman, and Jason E. VanHorn. Mapping Liberia. ArcGIS Online. <https://gis.calvin.edu/lms>.
- 2017 VanHorn JE and C Strikwerda in Amid the Ruins: The Ottoman Empire, 1300-1924 by Douglas Howard. Cambridge University Press. [Ten maps](#).
- Map – Around the Marmara Sea, pg 11;
 - Map – The Aegean Rim, pg 13;
 - Map – Tamerlane’s invasion and the Ottoman civil war, pg 43;
 - Map – The major overland trade routes, pg 57;
 - Map – Partitioned Hungary, pg 92;
 - Map – The Ottoman Arab lands, pg 104;
 - Map – Key monuments in Ottoman Istanbul, pg 146;
 - Map – The Black Sea Rim, pg 217;

- Map – The census in Ottoman cities, pg 282;
 - Map – Ottoman Macedonia, pg 294.
- 2017 VanHorn, JE and J. Bylsma. Returning Citizens Services Web Map Application. <http://gis.calvin.edu/rc>.
- 2017 VanHorn JE, L. Blanche, S. Haase, and TS Nam. The Liberia Mapping System. <http://gis.calvin.edu/lms>.
- 2016 Reynolds, C, Scheeres, A. and JE VanHorn. The Plaster Creek Mapping System. An online application in journal map form. <http://gis.calvin.edu/plastercreek>.
- 2015 VanHorn JE and D van Dijk. Understanding Michigan Dunes. An online application in the journal map form. <http://gis.calvin.edu/dunes>.
- 2014 VanHorn JE. Understanding Your Geography. An online application of demographics to learn about your neighborhood in the United States. <http://goo.gl/N3nDMR>.
- 2014 VanHorn JE, van Dijk D, Burkley K, Hilbrands B, Hughey A. Michigan Dunes Inventory GIS. An online application of the Michigan Dunes. <http://gis.calvin.edu/MDI>.
- 2013 VanHorn, JE, Liu, C and WH SooHoo. Plaster Creek Watershed GIS. An online application for analysis and visualization of Plaster Creek watershed, Michigan. <http://gis.calvin.edu/PlasterCreek/PC/> (Version 2).
- 2011 Selles, O, VanHorn, JE, and D Warners. Calvin Tree Inventory. An online mashup of the Calvin College trees. <http://gis.calvin.edu/trees>. *Discontinued*.
- 2011 VanHorn, JE. Spatial Perspectives | Comparing Grand Rapids, Michigan. An online mash up for scale comparison of urban extents with Grand Rapids, Michigan. <http://gis.calvin.edu/urban>. *Discontinued*.
- 2011 VanHorn, JE and S Kenbeek. Plaster Creek Watershed GIS @ Calvin College. An online GIS system for synergy of teaching and research on the creek. <http://gis.calvin.edu/PlasterCreek/PC/> (Version 1).
- 2010 VanHorn, JE. Map – Paterson, NJ. *In* Robert Schoone-Jongen, “There was work in the valley: Dutch immigration to New Jersey, 1850-1920.” *Tijdschrift voor Sociale en Economische Geschiedenis* 10: 56-81.
- 2010 VanHorn, JE and L DeVos in Christianity and modernity in Eastern Europe. BR Berglund and B Porter-Szucs (eds.), Budapest: Central European University Press:
- Map – Catholic participation in contemporary Poland, pg 139. *In* J Bjork, *Bulwark or Patchwork? Religious Exceptionalism & Regional Diversity in Postwar Poland* (129-158);
 - Map – Greek Catholic church in postwar western Ukraine, pg 161. *In* N Shlikhta, *Competing Concepts of “Reunification” behind Liquidation of the Ukrainian Greek Catholic Church* (159-190);
 - Map – Communist era Romania, pg 193. *In* A Şincan, *From Bottom to Top & Back: On How to Build a Church in Communist Romania* (191-216);
 - Map – Religion in the interwar Czech lands, pg 348. *In* B Berglund, *Drafting a Historical Geography of East European Christianity* (329-372);
 - Map – Absence of religion in the Czech Republic, pg 349. *In* B Berglund, *Drafting a Historical Geography of East European Christianity* (329-372).
- 2009 VanHorn, JE. National Atlas for Developing Countries. An online atlas site available at <http://gis.calvin.edu/atlas/index.html>.
- 2008 VanHorn, JE and SJ Jonker. The Calvin College Ecosystem Preserve. An online GIS system available at <http://gis.calvin.edu/ccep>. (Version 1) (Version 2, 2012) (Version 3, 2015).

DATA & SOFTWARE PUBLICATIONS

- 2014 VanHorn, JE. Kurdish Conflict Database (Version 1.0), <http://gis.calvin.edu/data.html>.
- 2009 Winck, E, Bascom, J, & JE VanHorn. GeoLearner (Version 1.0) [Software]. Grand Rapids. <http://www.geolearner.com>

PAPERS PRESENTED IN PROFESSIONAL MEETINGS

- 2022 VanHorn, JE, Erwin Raisz and the Growth of Academic Cartography in the United States, ***AAG Annual Meeting***, New York City, February 25-March 1.
- 2020 VanHorn, JE, Erwin Raisz and the Growth of Academic Cartography in the United States, ***AAG Annual Meeting***, Denver, April 6-10 (DELAYED due to COVID-19)
- 2019 VanHorn, JE, The Geo-Physical Six-Foot Physiographic Relief Globe, ***AAG Annual Meeting***, Washington DC, April 3-7.
- 2018 VanHorn, JE and R Stearley, The Twin Pillars of the Physiographic map in Geomorphology: Armin Lobeck & Erwin Raisz, ***AAG Annual Meeting***, New Orleans, April 10-14.
- 2017 VanHorn, JE and R Stearley, Foundational Contributions by Erwin Raisz to Geological Understanding, 2017 ***GSA Annual Meeting***, Seattle, October 22-25.
- 2017 VanHorn, JE and J Bylsma, Spatial Organization for Returning Citizens, 2017 ***AAG Annual Meeting***, Boston, April 5-9.
- 2016 Crevier, J and JE VanHorn, Geospatial Frameworks To Understand American Sports Success, 2016 ***AAG Annual Meeting***, San Francisco, March 29-April 2.
- 2015 VanHorn, JE and D van Dijk, Online Interactive Michigan Coastal Dune GIS, ***2015 AAG Annual Meeting***, Chicago, April 21-25.
- 2013 VanHorn, JE, Introduction to Christian Geographical Theory, ***2013 AAG Annual Meeting***, Los Angeles, April 9-13.
- 2012 VanHorn, JE, Mashing Up the Campus Trees Through Classroom Initiative. ***2012 AAG Annual Meeting***, New York, NY, February 24-28.
- 2011 VanHorn, JE, Reconstructing Kurdish Conflict: Geographic Visualization and Analysis. ***2011 AAG Annual Meeting***, Seattle, WA, April 12-16.
- 2010 VanHorn, JE and J Bascom, Spatial Learning and Geographical Education Using the GeoLearner. ***2010 AAG Annual Meeting***, Washington, DC, April 14-18.
- 2009 VanHorn, JE, Spatial Analysis Limitations and Extensions to Terrorism Databases. ***2009 AAG Annual Meeting***, Las Vegas, NV, March 22-27.
- 2008 VanHorn, JE, Social Hazard Modeling of Terrorism: Pragmatics and Geovisualization, ***2008 AAG Annual Meeting***, Boston, MA, April 15-19.
- 2007 VanHorn, JE and MP Kwan, Urban Proof?: Terrorism's Postulate. ***2007 AAG Annual Meeting***, San Francisco, CA, April 17-21.
- 2006 VanHorn, JE, Visualizing Aviation Terrorism: Contexts, Methods, and Considerations. ***2006 AAG Annual Meeting***, Chicago, IL, March 7-11.
- 2004 VanHorn, JE and DZ Sui, Exploring Potential Applications of Geographic Information Systems (GIS) in Real Estate Appraisal. ***2004 AAG Annual Meeting***, Philadelphia, PA, March 14-19.
- 2003 VanHorn, JE and DZ Sui, Accessibility and Real Estate: A Case Study of Arlington, TX. ***2003 AAG Annual Meeting***. New Orleans, LA, March 4-9.
- 2002 VanHorn, JE, Filling in the Hole Left Behind by the Big Dig. ***2002 SWAAG Annual Meeting***. Laredo, TX, October.

GRANTS

- \$4900 Don and Carrie Vermeer Fund for Geographical Science.*** Calvin University Department of Geology, Geography and Environmental Studies. Ongoing.
- \$125,268 Michigan Department of Corrections: 2018-21. Mapping Applications for Returning Citizens. Co-PI with Dr. Kevin den Dulk. Ongoing.***
- \$3900 Calvin College Alumni Association.*** Faculty Research Grant. Complete.
- \$259,590 National Science Foundation - NSF MRI-1726260, \$259,590, Project 10/1/2017-9/30/2020.***
Investigator. GIS-based sniper fire 3D Modeling. Status: Ongoing
- \$96,500 Clean Water Institute Calvin College & Sawyer.*** Co-PI Geospatial Team Director. Status: On-

- going.
- \$1,145,915 Michigan Department of Environmental Quality 319 Grant.** Lead GIS consultant and GIS investigator, Plaster Creek Watershed Restoration 2. Status: Completed.
- \$92,200 Michigan Department of Environmental Quality.** “Bringing the Latest Science to Michigan's Management of our Coastal Dunes”. Lead GIS architect. Status: Completed.
- \$48,954 USAID Grant for National GIS Summit for Standards in Ethiopia.** Lead GIS consultant in Dec. 2013. Completed.
- \$515,367 Michigan Department of Environmental Quality 319 Grant.** Lead GIS consultant and GIS investigator, Project 2012-0023 for summer 2013 to support research and students on Plaster Creek GIS. Status: Completed.
- \$2,475 Kuyers International Program Fund Award for An Electronic Atlas for Ethiopia conducted in Ethiopia in January 2012.** Status: Completed.
- \$3,000 Douglas & Maria DeVos Foundation Award for A Needs-Based Approach to Accessibility and Location Efficiency Analysis of Social Programs in Kent County, Michigan.** Status: Completed.
- \$510,113 National Science Foundation (NSF) Award for Deciphering Civil Conflict Cycles in the Middle East.** Funding program: Social and Behavioral Dimensions of National Security, Conflict, and Cooperation (NCSS), Role as Research Investigator/Consultant. Status: Completed.
- \$3800 Summer 2008 Calvin College Ecosystem Preserve Research Grant.** Project: Mapping the Calvin College Eco-Preserve, Grant to support one undergraduate student for summer research. Status: Completed.
- \$1000 Summer 2008 Science Division Research Grant.** Project: Spatial Vulnerability Threat Analysis to Terrorism in Grand Rapids, Michigan. Status: Completed.
- \$6950 Spring 2006 Mershon Center for International Security Studies Research Grant.** For survey research. Status: Completed.
- \$3600 Summer 2004 Research Grant Award** for research toward the proposal of dissertation work, funded by the Department of Geography, The Ohio State University. Status: Completed.
- \$750 Research Thesis Grant** funded by the Department of Geography, Texas A&M University, 2003. Status: Completed.
- Writing Quarter to assist in final stages of PhD Dissertation,** awarded in recognition of my teaching service to the Department of Geography, Ohio State University, Spring 2007.
- \$1500 Merit Scholarship,** Texas A&M University, 2001.

COLLABORATIVE RESEARCH PRESENTATIONS

Research Presentations

- 2020 Natalie Vredevoogd, Edward Lambert, and Jason VanHorn, Bible Atlas Scholarship and Cartographic Functions, *AAG Annual Meeting*, Denver, April 6-10 (DELAYED DUE TO COVID-19).
- 2020 Liam Ferraby, Jason VanHorn, and Kevin den Dulk, The Science of Providing Services Spatially for Returning Citizens, *AAG Annual Meeting*, Denver, April 6-10.
- 2020 Olivia den Dulk and Jason VanHorn, Building Interactive Mapping for Education in Geography, *AAG Annual Meeting*, Denver, April 6-10.
- 2019 Liam Ferraby, Jason VanHorn, and Kevin den Dulk, The Science of Providing Services Spatially for Returning Citizens, West Michigan Regional Undergraduate Science Research Conference, Grand Rapids, November 9.
- 2019 Liam Ferraby, Annalane Miller, Jason VanHorn, and Kevin den Dulk, Spatially Visualizing Service Providers to Improve Reentry Success, *AAG Annual Meeting*, Washington DC, April 5, 2019.
- 2019 Grace Bolt, Megumu Janson, and Jason VanHorn, Clean Water Liberia: Disseminating Public Health Data With Story Maps, *AAG Annual Meeting*, Washington DC, April 4, 2019.
- 2018 Liam Ferraby, Annalane Miller, Jason VanHorn, and Kevin den Dulk, *McGregor Colloquium*, Returning Citizen Services Mapping Application, Calvin College, August 1, 2018.
- 2018 Lyall Blanche, Seth Haase, Taek Soo Nam & Jason VanHorn, Geospatial Transformations: Water, Health, Maps, and Liberia, *AAG Annual Meeting*, New Orleans, April 10-14, 2018.
- 2017 Janaya Crevier and Jason VanHorn, “Story maps toward solidarity: Geo-multimedia engagement in

- refugee communities in Vienna, Austria”, *Geomedia 2017: Spaces of the In-between*, Karlstad, Sweden, May 9-12 2017.
- 2016 Charlotte Reynolds and Annaka Scheeres, “Human Impacts on Watershed Processes IV Watershed Management with GIS”, *AAG Annual Meeting*, San Francisco, April 1, 2016.
- 2014 Bruce Berglund, Jason VanHorn and Chad Westra, “Geography of Sports Success”, *The Values of College Sport*, University of Michigan, November 15, 2014. <http://goo.gl/T3GvDs>.
- 2013 Bill SooHoo, Chengbi Liu and Jason VanHorn, “Plaster Creek Watershed GIS”, *West Michigan Regional Undergraduate Science Research Conference*, Grand Rapids, Michigan, Nov. 16.
- 2013 Bethany Van Kooten, Emma DeVries, and Jason VanHorn, “Christian Geographical Theory”, *AAG Annual Meeting*, Los Angeles, CA, April 9-13.
- 2013 Nathan Mosurinjohn and Jason VanHorn, “Efficiency Analysis in Congregational Community Service”, *AAG Annual Meeting*, Los Angeles, CA, April 9-13.
- 2011 Seth Kenbeek, Abbie Belford, Jason VanHorn, and Deanna van Dijk, “Remote Sensing and Geospatial Analysis of Active Lake Michigan Dunes”, *AAG Annual Meeting*, Seattle, WA, April 12-16.
- 2011 Emma DeVries and Jason VanHorn, “Geographic Dimensions of Spanish Terrorism: Context, Methods, and Analysis”, *AAG Annual Meeting*, Seattle, WA, April 12-16.
- 2010 Scott Jones, Stephanie Rentschler, Jason VanHorn, and David Warners, “Tress @ Calvin.gis”, *CEAP Poster Session Keynote Address*. Calvin College, Grand Rapids, MI, December 2.
- 2010 Abbie Belford, Seth Kenbeek, Jason VanHorn, and Deanna van Dijk, “Geospatial Analysis of Lake Michigan Dunes: Remote Sensing, GIS, GPS”, *East Lakes Division of the Association of American Geographers conference*, Grand Rapids, MI, October 23. (Award: Best student paper presentation; both Ms. Belford and Mr. Kenbeek were undergraduates at Calvin College).
- 2010 Andrew Quackenbush and Jason VanHorn. “Teaching National Atlas-Making Skills for Developing Countries using GIS”, *AAG Annual Meeting*, Washington D.C., April 14-18
- 2009 Nathan Mosurinjohn and Jason VanHorn, “Policing against terrorism rifle sniper attacks with 3D geospatial solutions”, *AAG Annual Meeting*, Las Vegas, NV, March 22-27.
- 2009 Scott Jonker, Jason VanHorn, Randy van Dragt, “Mapping the Calvin College ecosystem preserve in Grand Rapids, Michigan”, *AAG Annual Meeting*, Las Vegas, NV, March 22-27.
- 2008 Adriana Ribeiro, M.D., M.P.H. Paper: “Fetal and infant mortality related to distance from NPL sites in the state of Florida: Distance and carcinogenicity as proxy for exposure” (with Cynthia M. Harris, PhD, DABT; Greg Kearney, MPH, DrPH, and Jason VanHorn), *American Public Health Association: Public Health Without Borders Annual Conference*, San Diego, CA, Oct. 25-29.
- 2008 Jonathan Schmitkons, “Using a geographic information system to map patterns of change in a Lake Michigan coastal dune system” (with Brent Geurink, Jason VanHorn, and Deanna van Dijk, PhD), *Annual Meeting of the Michigan Academy of Science, Arts and Letters*, Western Michigan University, March 7, 2008.

COMPUTER SKILLS

Programming Languages: C, Java, JavaScript, PERL, Python, Silverlight (C#), JQuery, Dojo, HTML.

GIS & Remote Sensing Software: ArcPro, ArcINFO, ArcGIS, ArcView, AtlasGIS, MapCalc, ERMMapper, Geoda, ENVI, Erdas Imagine, ArcGIS Server, Several ArcGIS extensions, Google Fusion Tables.

General: Microsoft Office; Adobe Illustrator, Photoshop, Audition, Character Animator, Premier & After Effects; SPSS; STATA; Visual Studio 2010.

HONORS

2015 Student-Faculty Research Award at Calvin University

2001 Phi Kappa Phi National Honor Society

TEACHING

TEACHING ACTIVITY

Semester Courses at Calvin University:

- GEO 110: World Regional Geography
- GEO 260: Geographic Information Systems & Cartography
- GEO 260 Honors: Geographic Information Systems & Cartography
- GEO 310: Urban Geography
- GEO 361: Advanced Geographic Information Systems
- GEO 362: Remote Sensing of Earth
- GEO 380: History and Philosophy of Geographic Thought
- GEO 565: Business Location Intelligence

January Interim Courses at Calvin University:

- GIS and Urban Environments (January 2009)
- The Geography of Terrorism – Theory and GIS ('11, '14, '16, '18)
- Geography and Geology of Hawaii (January 2013, with Dr. VanKooten)
- Minecraft to Maurader's Map: Mapping your World (*Jan. 2017, 2019 DCM course*)

Independent Study Students:

Fall 2022

- David Warbrick – History and Philosophy of Geographic Thought

Spring 2022

- Drew Van Andel – Remote Sensing of Earth
- Benjamin Honeyford – Advanced GIS

Fall 2021 - Remote Sensing of Earth as Independent Study

- Erin Brink
- Bryce Bundens
- Elizabeth Hansen
- Micah Meindertsmas
- Kyle Musch
- Stephanie Oosterhouse
- Jared Sanders
- Emilia Shokoohi
- Benjamin Steves
- Isaac Suh
- Caleb Vredevoogd

Spring 2021

- N. Henry Terpstra – Historical GIS: White Flight in Chicago

Spring 2020

- Shin Kim – ArcGIS Online for teaching history
- Allison Lee – Remote Sensing of Earth
- Natalie Vredevoogd – (Honors Readings) Film, Media, and Geography
- Nathan Hilbrands – (Honors Readings) History and Philosophy of Geographic Thought

Fall 2019

- YeJay Kim – Remote Sensing of Earth
 - Hannah Larsen - History & Philosophy of Geographic Thought
- Spring 2019
- Grace Bolt – (Honors Readings) Geography Education
- Fall 2018
- Kelly Looman – Critical Geopolitics & Geospatial Visualization
- Spring 2018
- Grace Bolt – (Honors Readings) Advanced GIS
- Fall 2017
- Issac Jacques – (Honors Readings) Remote Sensing of Earth
 - Seth Haase – History & Philosophy of Geographic Thought
- Fall 2016
- Katlyn Farris – Urban Healthcare and GIS
- Spring 2016
- Annaka Scheeres – (Honors Thesis) – Geospatial Data Poverty in Developing Countries
- Fall 2015
- Julie Bylsma – (Honors Readings) – Criminal Justice & GIS
- Spring 2015
- Ryleigh Weirs – GIS and Cartography
 - Annaka Scheeres – (Honors Readings) – GIS and epidemiology
- Spring 2014
- Chengbi Liu (Honors Thesis) – An Investigation on the Relationship Between Deer And Trails On Coastal Sand Dunes
- Fall 2013
- Brianna Marshall (Honors Readings) – Volcanic hazards GIS
- Spring 2013
- Chengbi Liu (Honors Readings) – GIS in social thought
 - Ty Bleeker (Honors Readings) – GIS and the environment
- Fall 2012
- Leah Jonker – GIS in history
 - Vashan Wright – GIS in history
 - Jobadiah Christiansen (Honors Readings) – GIS in archaeology
- January 2012
- Emma DeVries – GIS application data for Ethiopia
- Spring 2011
- Abbie Belford (Honors Thesis) – Smart Decline In Cities: Youngstown, OH & Detroit, MI
- Spring 2010
- Catie Phillabaum – Advanced GIS applications
 - Emma Slager – Advanced GIS applications
 - Rebecca Garofano – Advanced GIS applications
 - Matthew Walters – Advanced GIS applications
 - Sarah Wiers – Advanced GIS applications
 - Abbie Belford – Historical preservation & GIS readings (Honors Readings)
- Spring 2009
- Jenna Beauchamp – Urban GIS applications
- January 2009
- Scott Jonker – Spatial urban GIS theory
- Fall 2008
- Jenna Beauchamp – Hydrologic modeling in GIS
 - Nathan Versput – Network analysis of Anchorage, AK

Spring 2008

- Jonathan Schmitkons – 3D GIS and physical geography of dunes
- Thaddeus Balivet – Methods in spatial analysis
- David Young – Advanced GIS and cartography

Fall 2007

- Nathan Mosurinjohn – GIS readings and laboratory
- Thaddeus Balivet – GIS readings and laboratory

Semester Research Students

2022-2023

- Nathanael Kastner - Funding Paul Henry Institute, Civitas Lab

2021-2022

- Nathanael Kastner - Funding Paul Henry Institute, Civitas Lab
- Addison Arendt – Funding GIS Research Fund

2020-2021

- Yejae Kim – Funding Paul Henry Institute, Civitas Lab

2019-2020

- Liam Ferraby – Funding Paul Henry Institute, Civitas Lab

2018-2019

- Liam Ferraby – Funding Paul Henry Institute, Civitas Lab

2017-2018

- Taek Soo Nam – Funding Paul Henry Institute, Civitas Lab

2015-2017

- Julie Bylsma - Funding Paul Henry Institute, Civitas Lab

Summer Research Students

2022

- Nathanael Kastner – McGregor Fellow, Michigan Department of Corrections, Henry Institute
- Ashlyn Franklin – McGregor Fellow, Michigan Department of Corrections, Henry Institute

2021

- Nathanael Kastner – McGregor Fellow, Michigan Department of Corrections, Henry Institute
- Addison Arendt – Funding CWICC, Sawyer

2020

- Natalie Vredevoogd – Funding CWICC, Sawyer
- Yejae Kim - McGregor Fellow, Michigan Department of Corrections, Henry Institute

2019

- Olivia den Dulk – Funding CWICC, Sawyer
- Eddie Lambert – Funding, Vermeer Fund for Geographical Science
- Natalie Vredevoogd – Funding, Vermeer Fund for Geographical Science
- Liam Ferraby – McGregor Fellow, Michigan Department of Corrections, Henry Institute

2018

- Megumu Jansen – Funding CWICC, Sawyer
- Grace Bolt – Funding CWICC, Sawyer
- Liam Ferraby – McGregor Fellow, Michigan Department of Corrections, Henry Institute

2017

- Lyall Blanche – Funding CWICC, Sawyer
- Seth Haase – Funding CWICC, Sawyer

- Taek Soo Nam - Funding CWICC, Sawyer
- 2015
- Annaka Scheeres – Funding DEQ Michigan
 - Charlotte Reynolds – Funding DEQ Michigan
 - Janaya Crevier – Funding: McGregor Student Research Fellowship at Calvin College
- 2014
- On Sabbatical
- 2013
- Bill SooHoo – Funding: DEQ Michigan
 - Chengbi Liu – Funding: DEQ Michigan
- 2012
- Emma DeVries – Funding: GEO Department Research Grant
 - Bethany Van Kooten – Funding: Science Division Summer Research Fellowship
- 2010
- Abbie Belford – Funding: Integrated Science Research Institute (ISRI) at Calvin College
 - Emma DeVries – Funding: McGregor Student Research Fellowship at Calvin College
 - Seth Kenbeek – Funding: Integrated Science Research Institute (ISRI) at Calvin College
- 2009
- Andrew Quackenbush – Funding: Science Division Summer Research Fellowship
- 2008
- Nathan Mosurinjohn – Funding: Science Division Summer Research Fellowship
 - Scott Jonker – Funding: Calvin College Ecosystem Preserve Research Grant

GIS Teaching Assistants

Caedmon Morgret, 2022
 Natalie Vredevoogd, 2022
 Adam Tjoelker, 2022
 Addison Arendt, 2022
 Eleanor Ludwig, 2021, 2022
 Stephanie Oosterhouse, 2021
 Adam Tjoelker, 2021
 Natalie Vredevoogd, 2021
 Neil Van Kanegan, 2021
 Yejae Kim, 2020, 2021
 James Byker, 2020
 Eddie Lambert, 2019, 2020
 Kelly Looman, 2019
 Liam Ferraby, 2018, 2019, 2020
 Grace Bolt, 2018
 Megumu Jansen, 2017, 2018
 Taek Soo Nam, 2017
 Lyall Blanche, 2017
 Alissa Paquette, 2017
 Alicia DeJong, 2017
 Michael Messina, 2016
 Catherine Hilbrands, 2015
 Brian Hilbrands, 2015
 Leah Jonker, 2013-2014
 Owen Selles, 2012-2013
 Emma DeVries, 2011-2012
 Emma Slager, 2010-2011
 Andrew Quackenbush, 2009-2010

Scott Jonker, 2008-2009
Nathan Mosurinjohn, 2008-2009
Justin Jonker, 2007-2008

GIS Technician Students

Alicia DeJong, 2016-2017
Caitlyn Strikwerda, 2015-2016
Sarah Hofman, 2015
Bill SooHoo, 2014
Joseph Arevalo, 2012
Owen Selles, 2011
Seth Kenbeek, 2010
Andrew Quackenbush, 2009-2010

Summer Courses:

- AuSable Institute of Environmental Studies *Land Resources* (2013, 2012, 2011, 2010)

SERVICE

GEOGRAPHIC DISCIPLINARY SERVICE

Present since 2021, Board member of History of Geography Specialty Group, AAG

Present since 2020, Master of Science in Geographic Information Science (MScGIS) program director at Calvin University.

Present since 2015, American Association of Geographer's GeoMentor: <http://www.geomentors.net/>

2020 Moderator National Geographic Society GEO BEE, Grand Rapids, January 29.

2016-2018, Board member of Geography of Religions & Belief Systems Specialty Group, AAG

2015-2020 Co-Chair of Department of Geology, Geography and Environmental Studies at Calvin University.

2013 Lead GIS Consultant, GIS Summit on Standards, Addis Ababa, Ethiopia, Dec 9-13, 2013.

2013 Chair & Organizer, Christian Geographical Theory, 2013 AAG Annual Meeting, Los Angeles, April 9-13.

2012 Organizer and Lecturer, A Contemporary Geography of Ethiopia: Digital Atlas Workshop, Bahir Dar University, Bahir Dar, Ethiopia, January 30-February 3. (Assistant, Ms. Emma DeVries)

2011 Chair & Organizer, The Geography of Terror and Conflict: Theory & Geo-Technology, 2011 AAG Annual Meeting, Seattle, April 12-16.

2009 Chair & Organizer, New Strategies for New Wars: The Imperative to Secure Spaces Against Terrorism, 2009 AAG Annual Meeting, Las Vegas, March 22-27.

2008 Chair & Organizer, Visualization and Innovation in the Classroom, Annual Fall Faculty Conference, Calvin College, August 28.

2008 Chair & Organizer, Thinking Geographically about Terrorism and Counter Terrorism, 2008 AAG Annual Meeting, Boston, April 15-19.

2006 Representative, Graduate Studies Committee 2005-2006, Ohio State University

2006 Chair, Geographic Issues of Terrorism in the Post 9/11 World, 2006 AAG Annual Meeting, Chicago.

2006 Chair, Prospective Student Welcoming Committee 2005-2006, Ohio State University

2005 Assistant Coordinator, SPACE Summer 2005, Spatial Perspectives on Analysis for Curriculum Enhancement.

2003 Coordinator, Science Olympiad Event, 2003, Remote Sensing Event, State of Texas.

Journal Article, Book & Grant Proposal Reviewer

- *Geographical Journal*

- *Journal of Maps*
- *Environmental Monitoring and Assessment*
- *Urban Studies*
- *Transactions in GIS*
- *Annals of the Association of American Geographers*
- *Applied Geography*
- *Southeastern Geographer*
- Routledge Books
- PERISHIP Dissertation Fellowships in Hazards, Disasters, and Risk

Invited Lectures

- 2022 Calvin University, William Spoelhof Society Lecture, *Maps, Mountains, & Minerals*, May 2.
- 2021 Christian Educators Association Convention, *Story Maps in Geography to Transform Student Learning*, Grand Rapids, October 22.
- 2020 University of Nevada, Reno, *Dr. Erwin Raisz and the Development of Scientific Cartography in the United States*, November 4.
- 2019 Bridgewater State University, *The Master of the Landscape: Dr. Erwin Raisz & Physiographic Cartography*, September 27, 2019.
- 2019 Keynote Graduation Address, Koinonia High School, Grand Rapids Michigan, May 20, 2019.
- 2015 Southern Methodist University, *Maximizing GIScience Potential for Earth Research*, March 6, 2015.
- 2014 Calvin University Honors Convocation Keynote Address, April 23, 2014.
- 2014 Cornerstone University, *The Importance of Maps in Sociological Thinking*, Jan. 29, 2014.
- 2013 Butler University, *The Geography of Religion*, April 1, 2013.

Professional Development Workshops

- 2016 – Writer’s Nook, Calvin Center for Christian Scholarship: Grantee
- 2016 – Writer’s Co-op, Calvin College, Calvin Center for Christian Scholarship: Grantee
- 2014 – Geo2050, New York City: Participant
- 2013 – Ethiopian National Geospatial Data Standards Summit, Addis Ababa, Lead Lecturer
- 2012 – Digital Atlas Workshop, Jan 30-Feb 4, Bahir-Dar University, Ethiopia: Director and instructor
- 2009 – Programming in Python, May-June Calvin College, Faculty Workshop: Participant
- 2009 – Sustainability issues in the classroom, June 11, Calvin College, Faculty Workshop: Participant
- 2008 – Beginning a Research Program in the Natural Sciences at a Predominately Undergraduate Institution, Nov 21-23 Calvin College, Faculty Workshop Council for Undergraduate Research (CUR): Participant
- 2008 – Geographic Information System for Faculty, May 28-30, Calvin College: Director and instructor
- 2008 – Developing a 5-yr plan for scholarship and research, May 26-27, Calvin College Workshop: Participant

POPULAR PRESS FICTION PUBLICATIONS

Dr. VanHorn is the author of fiction novels for middle-grade readers that combine his passion for geography, security studies, and mapping. He meets with schools to promote geography and writing as a professor of geography of Calvin University.

2019 Alabaster Dangermond and Astrid’s Jewel. Goldenwood Press.

2018 Alabaster Dangermond and the Serpent’s Blade. Goldenwood Press.

POPULAR PRESS FICTION SCHOOL VISITS

Spring 2020

- Legacy Christian School, Grand Rapids, Michigan

Spring 2019

- Spangdahlem Elementary School, Spangdahlem, Germany
- Spangdahlem Middle School, Spangdahlem, Germany
- Brussels American School, Brussels, Belgium
- SHAPE Elementary School, Strategic Headquarters for Allied Powers Europe, Casteau, Belgium
- SHAPE Middle School, Strategic Headquarters for Allied Powers Europe, Casteau, Belgium

Spring 2018

- Spangdahlem Elementary School, Spangdahlem, Germany
- Brussels American School, Brussels, Belgium
- SHAPE Elementary School, Strategic Headquarters for Allied Powers Europe, Casteau, Belgium
- SHAPE Middle School, Strategic Headquarters for Allied Powers Europe, Casteau, Belgium

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Association of Geographers (AAG) (Specialty Groups in History of Geography, Bible, Geography of Religions & Belief Systems)

American Geographical Society (AGS)

EIS-Africa

North American Cartographic Information Society (NACIS)

Geological Society of America (GSA)

CONSULTING WORK

2016 to 2020 – *Consultant, Imagicon Entertainment*

2015 – *Adilas.biz*

2014 to present – *Chicagoland Immigrant Welcome Network – Founding Board member and elected Chair of the Board 2014-2020*

2014 to present – *Lynda.com Instructor ([GIS on the Web & Real-World GIS](#))*

2014 – *Groundswell, Grand Rapids*

2013 – *Lead International Consultant for GIS Summit in Addis Ababa on Geospatial Standards*

2012 to present – *Udemy.com Instructor ([Mapping Online - Easy to create professional map mash-ups](#) & [Crowdsourcing Mapping with Ushahidi: Twitter and Social Media](#))*

2011 to present – *Pacific Rim Institute, Washington*

2008 to 2010 – *The Tony Blair Faith Foundation, London*

2007 to present – *GIS activity at Calvin College (for Faculty, Staff, & Students)*

PROFESSIONAL REFERENCES

Dr. Mei-Po Kwan
Professor of Geography

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(217) 333-1880

Dr. Edward Malecki
Professor of Geography
The Ohio State University, malecki.4@osu.edu
(614) 688-5688

Dr. Ola Ahlqvist
Professor of Geography
The Ohio State University, ahlqvist.1@osu.edu
(614) 247-7997

Dr. Johnathan Bascom
Professor of Geography
Calvin University, jbascom@calvin.edu
(616) 526-7053

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