

*Curriculum Vitae January 2026 **Ronald I. Dorn***

Business:

School of Geographical Sciences, Arizona State University Tempe AZ 85287-0104
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Education:

A.B.(Geography), University of California, Berkeley, 1980
M.A.(Geography), University of California, Berkeley, 1982
Ph.D.(Geography), University of California, Los Angeles, 1985

Biographical Sketch: Ronald I. Dorn has been a Professor of Geography at Arizona State University, Tempe, Arizona since 1988. He served previously on the faculty at Texas Tech University. He is co-coordinator of the Arizona Geographic Alliance, a K-12 outreach program to promote geographic education in Arizona. He has been President and Secretary/Treasurer of the Geomorphology Specialty Group and as chair of the Nystrom Committee of the Association of American Geographers. He is a Fellow of the Geological Society of America and the Arizona/Nevada Academy of Science, and a member of the Association of American Geographers and the American Rock Art Research Association. He is married and has two children.

Present Research Activities: desert geomorphology, rock art conservation, petroglyph analysis, quantification and geography of mineral weathering, geographic education, tyranny of the majority in science, rock coatings

Positions

Arizona State University, Tempe : Assistant, Associate, and Full Professor of Geography (1988-current); Co-Coordinator, Arizona Geographic Alliance (1996- current)

Texas Tech University, Lubbock: Assistant and Associate Professor of Geography (1985-1988); Research Associate, International Center Arid and Semi-Arid Land Studies (1985-1988).

Books: *Rock Coatings*. (No. 6 in Developments in Earth Surface Processes Series) Elsevier, 1998. 429 pp.

Geomorphology: Mojave Desert to Death Valley. Guide to Field Excursion A3. International Association of Geomorphologists Third International Geomorphology Conference. Tempe, Arizona: Arizona State University, Department of Geography Publication #4, 137 p., 1993. (with Norman Meek)

Refereed Articles and Book Chapters

197. Whitley, D.S. and Dorn, R.I. 2026. [Rock varnish dating, surface features and archaeological controversies in the North American Desert West](#). Arts 15, 6, <https://doi.org/10.3390/arts15010006>

196. Clements R.L. Dorn, R.I. Scheeckle, M.W. and Gordon, S.J. 2025. [Lenticular-shaped](#)

boulders of South Mountains, central Arizona, USA. *Physical Geography* 46 (6): 565-584, <https://doi.org/10.1080/02723646.2025.2556915>

195. Kelley, M.M., Walker, I., Schmeeckle, M., Swann, C., Dorn, R., Roberts, and O'Brien, P. 2025. Changes in aeolian saltation cloud properties with wind speed and ripples. *Aeolian Research* 74 10996. <https://www.sciencedirect.com/science/article/pii/S1875963725000370>

194. Jeong, A., Connor, D.S., Dorn, R.I. and Seong, Y.B. 2025. Estimating urbanization's impact on soil erosion: A global comparative analysis and case study of Phoenix USA. *Land* 14 (8): 1950: <https://doi.org/10.3390/land14081590>

193. Dorn, R.I. Larson, P.H. and Jeong, A. Landforms on Faulted Rocks, in *Essentials of Geomorphology*, Schaetzl, R. and Marson R., Editors. Cambridge University Press.

192. Dorn, R.I. 2025. Revisiting the importance of clay minerals in rock varnish. *American Mineralogist* 110: 1341-1342 <https://doi.org/10.2138/am-2025-9768>

191. Roberts, M., Haar, M., Messer, O, and Dorn, R.I. 2024. Equilibrium and non-equilibrium adjustment of tributary drainages in response to downcutting of the Salt River, Northeastern Sonoran Desert, Arizona. *Association of Pacific Coast Geographers Yearbook* 86: 1-16.

190. Seong, Y.B., Shandonay, K., Dorn, R.I., Gootee, B., and Yu, B.Y. 2024. Speculation on an early Pleistocene origin of the Parker Dunes of southwest Arizona, USA. *Aeolian Research* 70-71: 100943

189. Dorn, R.I. 2024. Rock varnish revisited. *Progress in Physical Geography* 48: 389-419. <https://doi.org/10.1177/03091333241248038>

188. Moll, H.L., Dorn, R.I. 2023. Addressing out-of-field geography teaching in Arizona, USA, through summer workshops to build a cadre of geography advocates. *Geographical Education*, 36: 1-15.

187. Jeong A., Seong Y.B., Dorn, R.I. and Yu, B.Y. 2023. Precipitation as a key control on erosion rate in the tectonically inactive northeastern Sonoran Desert, central Arizona, USA. *Physical Geography*: <https://doi.org/10.1080/02723646.2023.2251654>

186. Dorn, R.I. 2023. Decay of ignimbrite fairy chimneys of Arizona's Basin and Range Province USA. *Earth Surface Processes and Landforms*: DOI: 10.1002/esp.5632 .

185. Dorn, R.I. and Whitley, D.S. 2023. Threshold of weathering needed for fire to erode rock art: Case study of a Hohokam petroglyph, central Arizona, USA. *Conservation and Management of Archaeological Sites*. doi.org/10.1080/13505033.2022.2133790

184. Allen, C.D., Kennedy, C.D., Groom, K.M., Cerveny, N.V., Dorn, R.I. and Whitley, D.S., 2022. 5. Rock art stability Index. Global Perspectives for the Conservation and Management of Open-Air Rock Art Sites. DOI: 10.4324/9780429355349-8. Link to access.

183. Larson, P.H., Dorn, R.I., Gootee, B., Seong, Y.B. 2022. Drainage integration in extensional tectonic settings. *Geomorphology* 399: <https://doi.org/10.1016/j.geomorph.2021.108082>

182. Dorn, R.I., Walker, I.J. 2022. [Dirt cracking as a rock fracture-wedging process in the Mediterranean climate of Victoria, British Columbia, Canada](#). *Catena* 210: 105920 <https://doi.org/10.1016/j.catena.2021.105920>

181. Dorn, R.I., Gordon, S., Jeong, A. 2022. [Nanoscale: mineral weathering boundary](#). In: Pope, G.A. (Ed), *Weathering and Soils Geomorphology: Treatise on Geomorphology*, 2nd Edition, Elsevier, Amsterdam, p. 116-150 (online PDF file)

180. Dorn, R.I. 2022. [Rock Coatings](#). In: Pope, G.A. (Ed), *Weathering and Soils Geomorphology: Treatise on Geomorphology*, 2nd Edition, Elsevier, Amsterdam, p: 1-35 (online PDF file)

179. Shandonay, K.L., Moll, H., Marvin, C.M., López-Castañeda, N., Kelley, M., Hilgendorf, Z., Heintzman, R., Dorn, R.I. 2021. [The fieldwork of shared experiences](#). *The Geographical Bulletin* 62: 82-88.

178. Jeong, A., Dorn, R.I., Seong, Y.B., and Yu, B.Y. 2021. Acceleration of soil erosion by different land uses in arid lands above 10Be natural background rates: Case study in the Sonoran Desert, USA. *Land* 10, 834: <https://doi.org/10.3390/land10080834>

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174. Cheung, S.Y., Walker, I., Myint, S.W. Dorn, R.I. 2020. [Assessing land degradation induced by recreational activities in Algodones Dunes, California, using MODIS images](#). *Journal of Arid Environments* 185: <https://www.sciencedirect.com/science/article/pii/S0140196320302330>

173. Larson, P.H., Dorn, R.I. Skotnicki, S., Yeong, S.B., Jeong, A. 2020. [Impact of drainage integration on basin geomorphology and landform evolution: Case study along the Salt and Verde Rivers, Sonoran Desert](#), USA. *Geomorphology* 369: <https://doi.org/10.1016/j.geomorph.2020.107439>

172. Dorn, R.I., Skotnicki, S., Wittman, A., Van Soest, M. 2020. [Provenance in drainage integration research](#): Case studies from the Phoenix metropolitan area, south-central Arizona. *Geomorphology* 369: <https://www.sciencedirect.com/science/article/abs/pii/S0169555X20304037> .

171. Dorn, R.I. 2020. [Anthropogenic interactions with rock varnish](#). In: *Ecological Drivers of Biogeochemical Cycles under Changing Environment*, ISBN 9781119413301, eds. Dontsova, K., Balogh-Brunstad, Z., Le Roux, G., Pierret, M-C., American Geophysical Union: Washington D.C. Chapter 13, pp. 267-283

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158. Seong, Y.B., Dorn, R.I. and Yu, B.U. 2016. [Evaluating the life expectancy of a desert pavement](#). *Earth Science Reviews* 162: 129-154

157. Cerveny, N.V., Dorn, R.I., Allen, C.D., Whitley, D.S. 2016. [Advances in rapid condition](#)

assessments of rock art sites: Rock Art Stability Index (RASI). Journal of Archaeological Science Reports (in press): <http://dx.doi.org/10.1016/j.jasrep.2016.06.032>.

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155. Turchi, L., Hinde, E.R., Dorn, R.I., Ekiss, G.O. 2016. Six credit hours for Arizona, the United States, and the World: A Case study of teacher content-knowledge preparation and the creation of social studies courses. In Crow, A.R., Cuenca, A., editors, Rethinking Social Studies Teacher Education in the Twenty-First Century, pp. 144-166. DOI 10.1007/978-3-319-22939-3_8.

154. Dorn, R.I. 2015. Impact of consecutive extreme rainstorm events on particle transport: Case study in a Sonoran Desert range, western USA. Geomorphology 250: 53-62.

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142. Moore, M.J., Kraetz, G., and Dorn, R.I. 2012. [Phoenix debris flow hazard assessment: House location matters](#). *Physical Geography* 33: 491-513.

141. Dorn, R. I., Dorn, J., Harrison, E., Gutbrod, E., Gibson, S., Larson, P., Cerveny, N. Lopat, N. Groom, K.M., and Allen, C. 2012 [Case hardening vignettes from the western USA: Convergence of form as a result of divergent hardening processes](#). *Association of Pacific Coast Geographers Yearbook* 74: 1-12.

140. Dorn, R.I., Gordon, M., Pagán, E.O., Bostwick, T.W., King, M. and Ostapuk, P. 2012. [Assessing early Spanish explorer routes through authentication of rock inscriptions](#). *Professional Geographer*. 64: 415-429.

139. Larson, P.H. and Dorn, R.I. 2012. [Painting Yosemite Valley: A Case study of rock coatings encountered at Half Dome](#). *Physical Geography* 33: 165-182.

138. Dorn, R.I. 2012. [Do debris flows pose a hazard to mountain-front property in metropolitan Phoenix, Arizona?](#) *Professional Geographer*, 64: 197-210.

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9. 1990. Phillips, F.M. and Dorn, R.I. Geological Society of America, Penrose Conference Field Guide, "New Methods in Surface Exposure Dating", Mammoth Lakes, October 12-17, 35 pp.

8. 1990. Nobbs, M. and Dorn, R.I. Reply to Further Invited Comments on "Age-determinations for rock varnish formation within petroglyphs: cation-ratio dating of 24 motifs from the Olary region of arid South Australia." Rock Art Research: 7: 51- 52.
7. 1989. Nobbs, M. and Dorn, R.I. Reply to Further Invited Comments on "Age-determinations for rock varnish formation within petroglyphs: cation-ratio dating of 24 motifs from the Olary region of arid South Australia." Rock Art Research 6: 63- 67.
6. [1989. Dorn, R.I. Comment on "A note of the characteristics and possible origins of desert varnishes from SE Morocco" by B.J. Smith and W.B. Whalley. Earth Surface Processes and Landforms. 14: 167-170.](#)
5. 1988. Nobbs, M. and Dorn, R.I. Reply to Invited Comments on "Age-determinations for rock varnish formation within petroglyphs: cation-ratio dating of 24 motifs from the Olary region of arid South Australia." Rock Art Research 5: 143-144.
4. 1988. Dorn, R.I. Reply to letter by A. Gillespie on "Radiocarbon and cation-ratio ages for rock varnish on Tioga and Tahoe morainal boulders of Pine Creek, eastern Sierra Nevada in California, and Paleoclimatic Implications. Quaternary Research 30:104-105.
3. 1987. Dorn, R.I., DeNiro, M.J., and Ajie, H.O. 1987. Reply to comment by Wells and McFadden on "Isotope evidence for climatic influence on alluvial-fan development in Death Valley, California. Geology 15: 1179-1180.
2. 1987. Dorn, R.I. Review of Geomorphology and Soils, ed. K.S. Richard, R.R. Arnett and S. Ellis, Allen & Unwin (1985) in Professional Geographer 39: 124.
1. 1987. Dorn, R.I. Response to Presentation of the Kirk Bryan Award. Geological Society of America Bulletin 99: 155.

Courses Taught

ASU 101
Introduction to Physical Geography
Society and Environment
Freshman Seminar for Learning Community on Sustainability
Field Methods
Teacher Training Workshops
Applied Geomorphology
Introduction to Landform Processes
Regional Geomorphology
Quaternary Environments
Principles of Remote Sensing
Digital Image Processing
Landforms of the Western United States
Environmental Change
Weathering Seminar
Field/Lab Methods in Quaternary Research
Physical Geography Forum
ST: Desert Geomorphology
Introduction to Research Methods

Honors, Physical Geography
Global Change
Physical Geography Seminar
Teaching Geography Standards
Rock Coatings
Research on Teaching College Geography
Field Methods

Core Courses for Masters of Advanced Study in Geographic Education (Introduction to Geographic Teaching, Physical Geography for Teachers, Human Geography for Teachers, Geographic Techniques for Teachers, World Geography for Teachers, North American Geography for Teachers, Geography Across the Curriculum)

Recent Instructional Accomplishments

Coordinator of GCU 113 and GCU 114 courses – I led the team that developed two courses required of aspiring elementary education majors: U.S. and Arizona Social Studies (GCU/HST 113) and World Social Studies (GCU/HST 114). Now that these courses are in the hands of over 10 different faculty teaching them in geography and cross-listed in history, I coordinated the ongoing development of new materials. I also help maintain and post the online syllabi used by the teaching faculty, help answer the questions of faculty associates, help answer student questions, and help coordinate with the Mary Lou Fulton Teacher's College with respect to the number of desired sections and course type (hybrid, online, in person). I also teach or co-teach these courses with new faculty associates.

CLAS Sustainability Learning Community - Partnering with Prof. Peter Goggin, Librarian Katherine O'Clair, English TAs April Brannon and Steven Accardi, and Geography TAs Gabe Judkins and Elyssa Gutbrod, I served as the lead faculty in this Fall Semester learning community. Although there was supposed to be a course-load reduction, my course load actually increased from two to three courses in order to meet programmatic needs. The community lasted for two fall semesters in 2006 and 2007, with a break in the Fall of 2008 because of Professor Goggin's sabbatical. Resumption in the Fall of 2009 was not possible. Please feel free to examine some of the photos taken during field trips (for example, [Salt River Trip Photos](#) and [Landside Trip Photos](#)).

Development of GPH 211 as Online Lab Science Class – At the behest of the Provost, CLAS was tasked with the development of completely online lab science courses. The stated goal was to help graduation rates for students whose life paths had forced them to move away from ASU, but who were just missing a few courses needed for graduation. Another stated goal was to allow online degrees. In turn, CLAS approached my academic unit to develop an online version of Introduction to Physical Geography (GPH 111). In its stead, I coordinated an effort to turn our Introduction to Landform Processes (GPH 211) course into an online lab format that meets the Natural Science Quantitative (SQ) general studies criteria. A pilot version of this course was taught in the Fall of 2008 and a 140-enrollment version is being taught currently in the Fall of 2009. This effort absorbed (and continues to take) a tremendous amount of time rethinking every aspect of instruction, essentially turning the traditional SQ model upside down in order to maximize active learning of SQ criteria.

Development of an entirely Online Masters Degree in CLAS for Teachers – My outreach service to the K-12 teachers of Arizona, as a co-coordinator of the Arizona Geographic Alliance (<http://alliance.la.asu.edu/azgta/>), led me to the realization that a Masters degree

would benefit Arizona's geography teachers. Surveys revealed a strong preference for an online format, whereby professor-developed courses in geography content could be graded and mentored in coordination with retired master teachers. This is a program now run during Summer and Winter Sessions in order to best match the schedules of practicing teachers. This model, approved by ABOR, is to create a cycle of professional development. Stage 1 is pre-service teachers learning about how to teach geography. This first stage is implemented through a new course model for the training of future geography teachers described below. Stage 2 is where new teachers join the Arizona Geographic Alliance and gain more experience. Stage 3 is where teachers obtain their Master of Advanced Study in Geographic Education (MASGE), CLAS degree with 2 courses taught by collaborators in ASUs Colleges of Education. Stage 4 is where alumni of this program go on to be Faculty Associates who grade assignments in the courses and mentor new teachers through this professional growth. As the program's director, I continue to refine content and aid Faculty Associates. I coordinated the development of this program with many colleagues. A paper, written with the first associate director of the MASGE that describes the degree in greater detail, can be viewed at this web address: http://alliance.la.asu.edu/dorn/MASGE_CalifGeog_08.pdf.

Learning Outcomes Assessment Coordinator – I volunteer as the “go to” individual in the writing and implementation of the learning outcome plans in my school. These assessment plans are required by ASUs Office of University Evaluation.

Development of New Course Model for Training Pre-service Instruction in the Teaching of Geography – I developed and continue to improve GCU 414 (Teaching Geography Standards) as an online course to assist in the preparation of K-12 pre-service teachers. This “Geography Methods” course is unique in its online format, its use of an extensive collection of best practices videos of master teachers explaining how they teach, and its connecting the realities of classroom instruction with pedagogical theory learned in classes in ASUs colleges of education. The course was designed in way that it could be “turned over” to Faculty Associates (practicing or retired teachers), who have been the formal instructors of record starting in the Fall of 2006. The course continues in this fiscal climate, because instruction now occurs during summer sessions.

Coordinator of GPH 111 Labs – Introduction to Physical Geography (GPH 111) is one of the largest enrollment courses in my academic unit, because it fulfills the SQ Natural Laboratory Science requirement. I volunteer, without the normal course load reduction applied in many academic units, as the individual who works with the teaching assistants to monitor and improve the laboratory experiences of our students.

Notable Student Mentoring – My greatest satisfaction comes from mentoring students. This mentoring occurs in three contexts.

First, I love helping undergraduates grow as scholars through the research process, taking them from freshmen to published authors. I particularly enjoy working with brilliant students who, for one reason or another, fell through the cracks in high school and question their own ability for academic success. Space restrictions prevent a full listing of all undergraduates mentored. The latest published honors students' paper, first authored by Honors alumni Richard Stumpf II, can be seen here: <http://alliance.la.asu.edu/dorn/StumpfLearningVirtually2008.pdf>.

Second, I mentor graduate students in geography, most commonly Ph.D. students who are seeking employment as a college teacher. It is a point of great pride for me that every single Ph.D. student has obtained academic employment at their preferred level. These

graduates and their first positions are listed below

Third, I am currently mentor over 30 teachers seeking a graduate degree in geographic education in the program described above. Rather than requiring a thesis, the capstone project requires that teachers embrace the scholarly literature in geography and link that literature to scholarly pedagogy. As I write, I am working with the second and third cohorts Master of Advanced Study in Geographic Education students on their applied projects.

Theses and Dissertations Supervised or Co-Supervised

Student	Title	Year, Degree	First Appointment After Degree
Peter Goodwin	Geomorphic interpretation of digital SPOT imagery; Hanaupah Canyon alluvial fan, Death Valley, California	1988, M.A. Thesis Texas Tech University	Chevron Overseas Remote Sensing Unit, San Francisco
Steve Stadelman	Pedogenesis and geomorphology of Hanaupah Canyon alluvial fan, Death Valley, California	1989, M.A Thesis Texas Tech University	Ph.D. Student, Texas Tech University
Gregory Pope	Quartz decrystallization in glacial tills, eastern Sierra Nevada, California	1990, M.A. Thesis, Arizona State University	Ph.D. Student at Arizona State University
Thad Wasklewicz	Importance of environment on basalt weathering, Hawaii	1992, M.A. Thesis Arizona State University	Ph.D. Student at Arizona State University
Thomas R. Paradise	Weathering-constrained erosion of sandstone at the Roman Theather, Petra Jordan	1993, Ph.D. Dissertation, Arizona State University	Assistant Professor at University of Hawaii at Hilo

Gregory Pope	A weathering boundary layer model to interpret spatial variation in quartz weathering	1994, Ph.D. Dissertation, Arizona State University	Assistant Professor Montclair State University
Tanzhuo Liu	Visual microlaminations in rock varnish: a new paleoenvironmental and geomorphic tool in drylands	1994, Ph.D. Dissertation, Arizona State University	Postdoctoral Fellow at Lamont-Doherty Earth Observatory, Columbia University
Molly Pohl	Radiocarbon dating in drylands	1995, M.A. Thesis, Arizona State University	NSF Graduate Fellow, Ph.D. Student at Arizona State University
Steve Gordon	Assessing the effects of temperature on plagioclase weathering, Iztaccihuatl, Mexico	1996, M.A. Thesis, Arizona State University	Ph.D. Student at Arizona State University
Donald Friend	Evolution of desert colluvial boulder fields, eastern California	1997, Ph.D. Dissertation, Arizona State University	Assistant Professor, Mankato State University (Now Minnesota State University)
Steve Gordon	An analysis of volcanic glass weathering, El Malpais National Monument, New Mexico, USA	1999, Ph.D. Dissertation, Arizona State University	Assistant Professor, United States Air Force Academy, Colorado Springs
Niccole Cerveny	Relationships between internal fractures and surface microtopography of quartz grains	2000, M.A. Thesis, Arizona State University	Instructor, Scottsdale Community College

Brandon Vogt	Weathering of a tombstone sphere, Tempe, Arizona	2000, M.A. Thesis, Arizona State University	Ph.D. Student Arizona State University
Michael Henze	Sediment yield on Spook Hill Pediment, Arizona	2000, M.A. Thesis, Arizona State University	Consultant, J.E. Fuller
Lorenzo Vazquez Selem	Glacial Chronology of Iztaccihuatl Volcano, Central Mexico. A Record of Environmental Change on the Border of the Tropics	2000, Ph.D. Dissertation, Arizona State University	Research Professor, UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO, Mexico City
Mike Applegarth	Interpretation of pediment form using geographic information technology and field data	2001. Ph.D. Dissertation, Arizona State University	Assistant Professor, Shippensburg State University
Evan Palmer	Feasibility and implications of a rock coating catena: Analysis of a desert hillslope	2002, M.A. Thesis, Arizona State University	United States Air Force
Kathryn Anne Gross	Analysis of lateral channel stability for a portion of New River, Arizona, Between 1964-2000	2002, M.A. Thesis, Arizona State University	Hydrologist, Maricopa County Flood Control District
Daniel A. Gilewitch	Military Geography: The Interaction of Desert Geomorphology and Military Operations	2003, Ph.D. Dissertation, Arizona State University	Assistant Professor, United States Army Military Academy, West Point

Kevin A. Green	Debris slope/pediment adjustment to hydraulic processes through analyses of particle size-slope relations in different lithologies	2003, M.A. Thesis, Arizona State University	Ph.D. Student, University of Oregon
Rebecca S. Beard	Stream channel change in response to cattle exclosures in semi-arid riparian ecosystems	2003, M.A. Thesis, Arizona State University	Research Assistant, Ecuadorian Andes Land Use Change Project, University of Texas, Austin
Kathleen M. Bergmann	Urban impacts on Rillito Creek	2004, M.A. Thesis, Arizona State University	Army Corp of Engineers
John C. Douglass	Criterion approach to transverse drainages	2005, Ph.D. Dissertation, Arizona State University	Full-time instructor, Paradise Valley Community College, Paradise Valley, Arizona
Susan Johnson	Combining geography instruction with reading: Exploring the interplay in 3rd and 5th grade classrooms	2005, M.A. Thesis, Arizona State University	Elementary School Teacher, Virginia
Niccole Villa Cerveny	A weathering-based perspective on rock art conservation	2005, Ph.D. Dissertation, Arizona State University	Full-time Instructor, Mesa Community College
Wendy Bigler	Historical biocomplexity in irrigation agriculture: The	2007, Ph.D. Dissertation, Arizona State University	Assistant Professor, Southern Illinois

	Akimel O'Odham (Pima) and the Gila River, Arizona		University
Douglas Frink	Explorations into a dynamic process-oriented soil science	2007, Ph.D. Dissertation, Arizona State University	Visiting Professor, Valdosta State University
Casey Allen	Using rock art as an alternative science pedagogy	2008, Ph.D. Dissertation, Arizona State University	Assistant Professor, University of Colorado-Denver
Elyssa Gutbrod	Implementing Rapid Assessment of the Trail Environments of Arid Regions: Indicator Development and Implementation Scenarios	2013, Ph.D. Dissertation, Arizona State University	GIS Professional Employment (Titan Mapping Solutions), Calgary, Canada
Emma Harrison	Introducing a terrestrial carbon pool in desert mountains	2013, M.A. Thesis, Arizona State University	Visiting Instructor, University of Wyoming
Phil Larson	Conceptual field-based models to elucidate the distribution and nature of desert fluvial terraces: Case studies within the Sonoran Desert, Basin and Range, Arizona.	2013, Ph.D. Dissertation, Arizona State University	Assistant Professor, Minnesota State at Mankato
R. Evan Palmer	Analysis of the Spatial Thinking of College Students in Traditional and	2014, Ph.D. Dissertation, Arizona State University	Assistant Professor, Air Force Academy, Colorado

	Web-facilitated Introductory Geography Courses using Aerial Photography and Geo-visualization Technology		Springs
Ara Jeong	Anthropocene in the Geomorphology of the Sonoran Desert	2019, Ph.D. Dissertation, Arizona State University	Assistant Professor, Korea Military Academy

Manuscript Reviewer

[American Chemical Society, Symposium Volume \(Archaeological Chemistry\)](#)
[American Indian Rock Art](#)
[Annals of the Association of American Geographers](#)
[Earth Surface Processes and Landforms](#)
[Geoarchaeology: An International Journal](#)
[Geological Society of America Bulletin](#)
[Geological Society of America Centennial Volume on Geomorphology](#)
[Geology](#)
[Geomicrobiology Journal](#)
[Geomorphology](#)
[Israel Journal of Earth Science](#)
[Journal of Archaeological Science](#)
[Journal of Geology](#)
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[Nature \(London\)](#)
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[Wiley, Physical Geography texts](#)
[Zeitschrift für Geomorphologie](#)
[Scanning Microscopy International](#)

Proposal Reviewer

American Institute of Biological Sciences

American Chemical Society
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International Science Foundation
Lawrence Livermore Laboratory-University of California Program
Los Alamos-Institute of Geophysics and Planetary Physics Program
NASA
National Geographic Society
National Oceanic and Atmospheric Administration
National Park Service
National Center Preservation Technology and Training Program
National Sciences and Engineering Research Council of Canada
National Science Foundation Programs: Anthropology Archaeology Climate Dynamics
Ecological Studies Geography Geology Instrumentation Polar Programs EPSCoR Small
Business Innovation Research
NOAA
U.S. Geological Survey

Membership in Professional Organizations

American Quaternary Association
American Rock Art Research Association
Arizona-Nevada Academy of Sciences
Association of American Geographers
Association of Pacific Coast Geographers
Geological Society of America
National Council for Geographic Education

Awards

2012 [President's Medal of Social Embeddedness for the Teaching Foundations Project](#) [led by Laura B. Turchi, shared with many others]

2010 *Geography Excellence in Media Award* from the National Council for Geographic Education. [Hinde, E.R., Jimenez-Silva, M., Ekiss, G.O., Dorn, R.I., Osborn Popp, S.E., Managing Editors, (2009, Version 5.4). [GeoLiteracy ELL Adaptations: Integrating Geography, Reading and Writing](#). Tempe, AZ: Arizona Geographic Alliance.]

Distinguished Mentor Award from the National Council for Geographic Education, 2009.
College of Liberal Arts and Science's Innovation in Teaching Award, Arizona State University, 2009.

Enhancement of Geographic Literacy Cram Award, 2005 for GeoMath, National Council for Social Studies (with G.B. Ekiss and E. Hinde)

Professor of the Year Special Recognition, 2005, Arizona State University Parents Association

Enhancement of Geographic Literacy Cram Award, 2003 for GeoLiteracy, National Council for Social Studies (with G.B. Ekiss and E. Hinde)

Guggenheim Fellowship, 1996-1997

Wiley Award, Presented for Excellence in Geomorphological Research, British Geomorphological Research Group, 1993 (with Roger LeB. Hooke)

Castleton Award, Presented for Excellence in Rock Art Research, American Rock Art Research Association, 1992

G.K. Gilbert Award, Presented for Excellence in Geomorphological Research, Geomorphology Specialty Group of the Assoc. American Geographers, 1988

New Professor Excellence in Teaching Award, Texas Tech University, 1988
Presidential Young Investigator Award of the National Science Foundation, 1987
New Faculty Award, Texas Tech University, 1987
Kirk Bryan Award of the Geological Society of America (with T.M. Oberlander), For Excellence in Geomorphological Research, 1986

Honors

Fellow of the Arizona-Nevada Academy of Sciences, 1996
Fellow of the Geological Society of America, 1992
Sigma Xi, 1986
National Science Foundation Graduate Fellowship, 1980-1984
Phi Beta Kappa, 1979