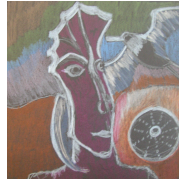


Candace L. Gossen Ph.D., LAc.



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Mission: Interdisciplinary Design and Healing of Living Systems based upon patterns of the past, informed by experimentation of the present to find solutions for the future. Understanding humanity's place in nature is the constant reinvention.

Summary

- **Teacher** of diverse/interdisciplinary Univ. classes, Comm. College, K-12 and Indian Ed.
- **Creator** of the solar7.83 Design/Build & Sustainability School from 1996-2011
- **Developer** of Environmental Studies Programs
- **Leader** of Expeditions, Field Schools & Study Abroad
- **Expert** - Env. Science- Palynology, Oxygen Isotope analysis, Lithic, Coring lakes
- **Archaeologist** - N. Am. Prehistory; Desert SW; Oceania.
- **Medicine** - Licensed Acupuncturist, Topical Herbs, 5Element, Daoist Qigong, Yoga
- **NCCAOM Certified/ Licensed Acupuncturist** - 2020, Colorado, Oregon, Arizona
- **Artist** - *Artist in Residency* awarded March 2020, Object Limited, Bisbee Az.
- **Master-Builder** of Earth & Strawbale, Passive Solar, Water & Ecological Systems

May 2021: National Park Service, Mesa Verde - Seasonal Park Ranger (Interpretive Guide)

Covid19 Positions 2020: Offering TeleMedicine via DaoQi Acupuncture online since March 2020
Teaching Qigong and Yoga classes via Zoom since March 2020
Volunteer at Mt. Tabor Visitor Center - Friends of Mt. Tabor, Portland Oregon
Portland Hiking Meetup Group - Hike Leader, Assistant Organizer
Teacher of Basic Design classes online - Saturday Academy, Portland, Oregon
Instructor online classes winter 2021 - Skagit Valley College, Community Ed.

EDUCATION

- 2019 M.S. Acupuncture** Colorado School of Traditional Chinese Medicine, Denver, Colorado
Clinical-Research Coordinator of San Fu Project Summer 2018 & 2019, Licensed March 2020
- 2011 Ph.D. Environmental Science/Archaeology**, Portland State University, Oregon
Dissertation: Deforestation, Drought and Humans: New Discoveries of the Late Quaternary Paleoenvironment of Rapa Nui (Easter Island) published August 2011

Post-GRAD: Cultural Anthropology, Methods and Theory, Portland State University, Oregon

1993 M.S. Building Design/Solar, Arizona State University, Tempe
Thesis: Passive Solar & Thermal Mass in the Ancient Buildings of the Anasazi and Pueblo People

1986 Bach. of Architecture (5yr Prof degree)/Anthropology, University of Louisiana, Lafayette

MY RESEARCH INTERESTS ARE DIVERSE with a common thread of healing, adaptation and sustainability whether it be human created or nature inspired. Examples of my Professional interests include: Architectural solutions to deforestation and climate change. Community and Sacred Space; Ecological Design and Environmental Sustainability; Design/Build and teaching in remote and marginalized locations; Global Expeditions & Field Schools as community service projects; N. Am. Prehistory and the MoundBuilders; Ancient Desert SW Cultures & Archaeo-astronomy; Islands, volcanoes, crater lakes and peat bogs; The Amber Road - amber trade as medicine; Forest restoration and indigenous plant medicine; Underwater Archaeology - Ancient settlements and global warming; Animals and nature archetypes in human mythology; Tattooed mummies; Ancient SElement Medicine theory in Mind-Body-Nature healing; Ancient Cultures, Adaptation & Innovation; Documentaries & Storytelling.

ACADEMIC TEACHING EXPERIENCE (Teaching Statement separate)

2015-2021 **Skagit Valley College**, Friday Harbor, San Juan Island, Mt. Vernon, WA
Adjunct Asst. Professor -*ANTH 204 Archaeology Field Methods* •Ancient Cultures
•ANTH 206 Cultural Anthropology; •Ecological Design Workshops
Randy Martin, Director - 360-378-3220, randy.martin@skagit.edu

1999 - 2021 **Univ. of Portland/Saturday Academy** and Indian Ed. Program, Portland, Oregon
Instructor, grades 2nd thru 12th Science and Art

2019 **University of Denver**, Colo.
Lecturer-Anthropology Dept., *Ancient Cultures & Their Science*, ANTH 3701
Lawrence B. Conyers, Dept. Chair, lconyers@du.edu

2017-2019 **University of Colorado** at Denver.
*Lecturer/Studio - Architecture Dept. *8Topics, 8 Weeks: Ancient Systems & Modern Practices in Sustainability.(proposed)*
*Lecturer- Anthropology Dept., *Cultural Diversity in the Modern World* ANTH3142
Tammy Stone, Chair Tammy.Stone@ucdenver.edu

2014 **Marylhurst University, Portland**, Oregon
Adjunct Assistant Professor-Science and Mathematics Dept.

2002-2014 **Portland State University**, Portland, Oregon
Adjunct Assistant Professor-University Studies/Environmental Science

1996 – 2009 **Portland Community College**. Portland, Oregon
Instructor and Developer of Environmental Studies Community Education Dept.
Undergrad & community education classes. Lecture, multi-media, hands-on design build.

- 1996 – 2012 **solar7.83 Design Studio.** Portland, Oregon. Design/Build and Education.
- 1989-1990 **MSTC Training Center,** University of Louisiana, Lafayette. Marine Offshore Survival
- 1980-1989 **Am. Red Cross,** Acadia Parish Chapter, Lafayette, La., Instructor Trainer

PROFESSIONAL ARCHAEOLOGICAL EXPERIENCE

- 2016 **Volunteer/Research Scientist** *Nov-Dec 2016*
SW Research Station, Am. Museum of National History
Chiricahua National Forest, Portal, Az. Contact: Geoff Bender, Exec Dir: 520-558-2396
- 2016 **Oregon** - Cultural Resource Research & Report: Cascade-Siskiyou National Monument. *Research and report writing for Monument expansion.*
- 2015-2016 **Adjunct Assistant Professor,** Skagit Valley College, SJI, Friday Harbor, WA. Teaching Archaeological Field Methods and Lecturer.
- 2015-2016 Registered Professional **Archaeologist,** CRM San Juan Island - St. Francis Historical Archaeological Survey. Excavation of Fish Creek, The Cape, Prehistory Salish Sea;
- 2014 **Adjunct Asst. Professor** Marylhurst University, Department of Science, Lake Oswego, Oregon. Supervisor: Greg Dardis, Chair.
- 2013-2014 **Principal Investigator:** SW Desert Drought Panel Expedition, Fremont Indian State Park, Utah, Colo, NM, Az. *Photogrammetry, report writing, field observation.*
- 2014 **Principal Investigator:** Rapa Nui Expedition 2014, Ava Ranga Uka - Jan to May
- 2014 &
(2007-2008) **Visiting Research Fellow:** Dept. of Ecology, University of Minnesota, St. Paul. Supervisor: Ed Cushing, Prof. Emeritus. *Palynology, Plant Origins, Herbarium analysis.*
- 2014 &
(2007-2008) **Visiting Research Fellow:** National Lacustrine Core Facility (LacCore), University of Minnesota, Minn.. Supervisor: Amy Myrbo. *Soil Sampling, Chemistry, pollen processing.*
- 2002-2014 **Adjunct Asst. Professor:** Portland State University, Portland, Oregon. Univ. Studies Dept.
- 1999-2014 **Instructor and Program Development:** Saturday Academy and Indian Ed., University of Portland. Portland, Oregon. Supervisor: Gayle Pile (retired)
- 2010 **Visiting Research Fellow:** Department of Anthropology, Australian National University, Canberra, Australia. Supervisor: Simon Haberle. *Online Australasian Pollen Repository.*
- 1996-2009 **Adjunct Asst. Professor:** Portland Community College. Portland, Oregon. Supervisor: Ed Kaiel (retired Program Director)

- 2008-2009 **Visiting Research Fellow:** Lawrence Livermore AMS Laboratory, Livermore, Cal. Supervisor: Tom Guilderson. *Processing Radiocarbon Samples AMS.*
- 2008-2009 **Principal Investigator:** Rano Kao Expedition (RKE08), Rapa Nui, Chile.
- 2005 **Visiting Research Fellow:** School of People, Environment and Planning, Massey Univ., Palmerston North, NZ. May-Sept. Supervisor: John Flenley. *Palynology Lab.*
- 2004-2005 **Principal Investigator:** Rano Kao Expedition 2005, Rapa Nui, Chile.
- 2002-2003 **Expedition crew:** Rapa Nui Earthwatch Expedition, Terevaka lithic mulch gardens, Rapa Nui, Nov-Jan. Supervisor: Chris Stevenson. PI. *Archaeology Technician.*
- 1997-1998 **Expedition crew:** Ma'ax Na Field School Bolsa Verde, Lamanai, Ma'ax Na, Belize. Supervisors: Leslie Shaw and Eleanor King, AFAR. *Field School Summer 97, 98.*
- 1997-1998 **Contract Archaeologist:** Archaeological Investigations NW, INC., Portland, Oregon
- 1994-2004 **Principal Investigator:** Lake Superior/Grand Island, Michigan. *Underwater archaeology summers at The Point, Historical Trading Post on Grand Island, Michigan.* Supervisor: SHPO
- 1990-1991 **Archaeological Lab Assistant:** Department of Anthropology, University of Louisiana at Lafayette. Supervisor: Jon Gibson. *Artifact analysis, counting, coding, and illustrations.*
- 1990 **Archaeology Contractor:** Lake Peigneur, Louisiana Excavation. Supervisor: Dan Cring. *Fieldwork and Excavation.*

AREAS OF ARCHAEOLOGICAL FIELDWORK

- Eastern United States.....Poverty Point, MoundBuilders (Louisiana & Mississippi Valley)
- Northern United States.....Michigan, Lake Superior
- Southwestern United States.....Arizona, New Mexico, Utah, Colorado
- Pacific Northwest United States.....Oregon, Washington
- Oceania.....Rapa Nui (Easter Island)

SKILLS & CERTIFICATES

- Proficient - Adobe Suite, MSOffice, SPSS, Wordpress, Video
- Artist & Illustrator, Photography, Architectural Rendering & model-making
- Red Cross FA/CPR certified 2021. Previous -Instructor Trainer- Water Safety, CPR/First Aid, Lifeguard, Adapted Aquatics
- Wilderness First Aid Certified 2023 - Base Medical
- Archaeological Excavation & Expedition Fieldwork
- Acupuncture & Traditional Chinese Medicine Practitioner

- Climbing - AMC Advanced Climbing and Rescue Training;
- Mazamas Member - Wilderness First Aid & Emergency Medicine Training
- Light and Sound Technician & Rigger, Theatre & Concert Productions
- 5Element/Daoist Qigong Medicine Teacher/Practitioner
- Thai Plant Medicine Therapy certification, Baan Hom Samunphrai, Chiang Mai, Thailand,
- Forrest Yoga Adv. & Foundation certified RYT E300 – certified Yoga Alliance
- StreetYoga - certified, Seattle, Wa.
- NAUI Openwater Scuba Certified
- Certified Instructor Systems of Offshore Survival, Marine Offshore Survival Training Center.

ARCHITECTURAL, THEATRE & PROFESSIONAL EXPERIENCE

- 2014-2016 **San Juan Community Theatre**, Friday Harbor, WA. Sound & Light Tech/operator/actor
- 1996-2012 **Solar7.83 design studio and school**, Portland, Or. Ecological Design/Build/Education.
<www.solar783.com>
- 1995-1996 **T A S C Architects**, Scottsdale, Az. -- Architectural design.
- 1992-1996 **R.E.I.**, Tempe, Az and Portland, Or. -- Climbing/Camping Supervisor.
- 1992 **GreenPeace**, Tempe, Az. -- Documentary Filmmaker.
- 1989-1990 **Crescent Sound & Light**, New Orleans, La. -- Lighting Designer.
- 1989-1990 **Pete Fountain Productions**, New Orleans. Lighting Design, stage and audio technician
- 1987-1990 **Stage Right Productions**, Baton Rouge, La. -- Lighting, Spot, Ground Rigger, Stage Crew
- 1986-1987 **Howard Brandston Lighting Design**, NYC, NY -- Int'l Architectural Lighting Designer.
- 1986-1987 **Cline, Bettridge, Bernstein**, I A L D NYC, NY -- Architectural Lighting Designer
- 1985-1986 **Perkins, Guidry, Beazley & Osteen**, Lafayette, La. -- Architectural design and production.
- 1985-1986 **Corne, Sellers & Associates**, Inc., Lafayette, La. - Architectural Design
- 1984 **J.B. Mouton & Sons, Inc.**, Lafayette, La. - General Contractors, Cost estimator.

- **Alpha Rho Chi Medal** – Service Leadership Merit ---Professional Architectural Award 1986.

UNIQUE ARCHITECTURAL EXPERIENCE

25+ years in Ecological Design/Build including Strawbale construction; Rammed Earth, Adobe and Earthships; Living Roofs; Rastra Block; No Site-Waste Pre-Fab House Designs; Passive Solar and innovative breathing house designs; Rainwater collection and Greywater collection, Blackwater, Compost and Living Machine designs; Solar Thermal Heat-Exchange systems, SHW and solar hot tubs; 100% veggie oil furnace design; Bottle walls, cob, organic stucco recipes and innovative local natural material incorporation.

THEATRICAL Lighting

Work experience includes – Stage production, rigging, follow spot, truss spot, lighting design, architectural drawings, lighting designer and operator, electrician, carpenter, wardrobe, equipment and forklift operator. A brief listing of tours and shows – Rolling Stones, Pink Floyd, Simple Minds, The Cure, James Taylor, David Bowie, Fleetwood Mac, INXS, (1536 hours* tour list available upon request)

ARCHITECTURAL Lighting

Architectural lighting experience includes – Design in lamps, reflectors, and fixtures. Layouts of detail drawings, site observation, focusing, circuiting, distribution, dimming and control systems, computer specs and construction documents.

Major jobs designed and worked – Statue of Liberty, NYC; IBM Westlake, Dallas; Univ. Circle Dev., Cleveland; McCarter & English, NYC; Fulton County Gov't Ctr., Atlanta; Century City, Los Angeles; U.S. Embassy, Oman; Ankara, Turkey; Cityfront, Chicago; ABC West End, NYC; Bal Harbour, Florida.

PUBLICATIONS (Selected, full list available in full CV and at <https://umn.academia.edu/CandaceGossenPhD>)

In Peer Review: **2027 - The Next Event: Repeating Climate Patterns as seen in Rano Kao, Rapa Nui.** Publication 2021.

1. Gossen, C. (2021) *Cosmic Relationships: Comets, Human Behavior and New Discoveries on Easter Island* <https://eartharxiv.org/repository/search/gossen/> Open Access Preprint EarthArXiv
2. Gossen, C. (2019) *Otzi and the ICHING Tattoos*. Colorado School of TCM Newsletter March 2019
3. Gossen, C. (2019) *Reporting Results of San Fu Jiu Research*. CSTCM Report March 2019
4. Gossen, C. (2016) *The Paleoeology of Rano Kao and the Environmental Dynamics on Rapa Nui -The Last 15,000 years*, Proceedings of the 9th International Conference on Easter Island and the Pacific, Berlin, Germany 2015
5. Gossen, C. (2016) *Trash Talk: A Story of What Washes Ashore on San Juan*. May 2, 2016. The Journal of the San Juan Islands, reporter H. Spaulding.
6. Gossen, C. (2015) *Sasquatch Archaeology Militia*. Journal of the San Juan Islands. 17 June 2015
7. Gossen, C. and Stevenson, C. (2005, July) *Prehistoric Solar Innovation and Water Management on Rapa Nui*. ISES World Congress 2005. Conference Proceedings. Orlando, Florida. July 2005
8. (2003) *Residential Wastewater Treatment Solutions*. Office of Sustainable Development, Emerging Technology Grant 2003. Portland, Oregon.
9. (2002) *HOUSE, What's in the BOX anyway? Environmental degradation and the wood-frame box— why do humans repeat the patterns?* ACSA Technology Conference 2002 – Portland, Oregon.
10. (2000) *Ecology of Home*. H.O.P.E.S. Conference 2000 Design Challenge. Poster

11. (1999) *Menzies/Stephan Residence*. AIA Earth Day 1999, Seattle, Wash.-1999 Committee for the environment exhibit.
12. (1999) *Equity, Ecology and Sustainability*. H.O.P.E.S 1999 - Design Competition. Print.
13. (1998) *Architecture and Global Energy*. ArtBeat '98. Portland Community College, May 1998 Lecture Series.
14. (1998, April) *Eco-culture and Survival: Sustainability vs. Habit and Behavior*—Sustainable Structures Planetary Stewardship Conference, Univ. of Idaho sponsored by the Borah Foundation, April 1998
15. (1998) *Eco-culture and Survival* H.O.P.E.S. Eco Design Arts Conference April 1998, University of Oregon.
16. (1996, April) *Adobe, Rammed Earth and Wood: An Energy-Based Environmental Analysis of Residential Construction in Phoenix, Arizona*. 21st National Passive Solar Conference, Conference Proceedings. Asheville, North Carolina, April 1996.
17. (1996, September) *Adobe, Rammed Earth and Wood: An Energy-Based Environmental Analysis of Residential Construction in Phoenix, Arizona*. 4th National Energy-Efficient New Construction Conference. Vancouver, British Columbia, Sept 1996.

PROFESSIONAL PRESENTATIONS (Selected most recent)

1. (Feb. 2021) What Happened to the Trees? New Discoveries on Easter Island. Univ of Kansas
2. (Feb 2021) What Happened to the Trees? New Discoveries on Easter Island, Ronin Institute
3. (April 2017) *The Giant Palms of Easter Island*, Denver Botanic Gardens, Colorado.
4. (August 2016) *The Mysteries of Easter Island's Missing Trees*, Jefferson Public Radio. Ashland, Oregon. August 3, 2016. <http://ijpr.org/post/mysteries-easter-islands-missing-trees#stream/0>
5. (2016, Aug) *New Discoveries on Easter Island*. Ashland Library, Oregon. Aug., 4, 2016.
6. (2016, Mar) *Aliens, Akus and Giants Part One: Paleoecological findings and cosmic events in the muck on Rapa Nui*, and *Part Two: Archaeo-astronomy and Timekeepers* 69th Annual Pacific Northwest Anthropology Conference, Tacoma, WA.
7. (2016, Mar) *Sasquatch, Pirates and the Blue Pearl: Garbage Archaeology at Deadman's Bay, San Juan Island*, 69th Annual Pacific Northwest Anthropology Conference, Tacoma, WA.
8. (2015, June) *Deforestation, Drought & Humans: The Collapse Theory is Dead-New Evidence of Adaptability & Survival*. Poster Presentation Easter Island Conference, Berlin, Germany,
9. (2015, January) *Deforestation, Drought & Humans: The Collapse Theory is Dead-New Evidence of Adaptability & Survival*, American Institute of Archaeologists 116th Annual Conference, New Orleans, La., January 10, 2015
10. (2014, July) *VAI - the "sweet water" of Rapa Nui (Easter Island): Aliens, Drought and 15,000 years of Change*. Dept. of Ecology, St. Paul, University of Minnesota, July 3, 2014.
11. (2014, February) *New Discoveries from the lake Rano Kao*. OMSI Science Pub, Mission Theatre. Portland, Oregon. February 2014

PROFESSIONAL FUNDING

Applications submitted: Am. Philosophical Society, Franklin Grant 2019 - \$6000 and Phillips Fund for Native American Ethnographical Research \$3500

**Nepal: In Search and Discovery of Ancient Medicine Texts pre-TCM*

**Traditional Plant Medicine: A Changing Narrative of Healing and the complex relationships between plants and tribal medicine across space and time in the Desert Southwest.*

*ACLS GRANT - *The Amber Road - Amber as Medicine Ethnography*. \$35,000. 2016-2017

*FRANKLIN GRANT - APS - *Ecological Heartbeat of the Giant Jubaea*. Fieldwork, Chile 2016

GERMAN ARCHAEOLOGICAL INSTITUTE, Bonn, Germany

2014 Ava Ranga Uka Lab Analysis (LacCore/Wilfrid Laurier) Awarded - \$1500

PORTLAND STATE UNIVERSITY, Professional Development Grant

2014 Ava Ranga Uka Expedition, Rapa Nui Awarded - \$2200

NATIONAL GEOGRAPHIC SOCIETY RESEARCH GRANT

2008 Climate Change Research Easter Island Awarded – \$15,000

NATIONAL SCIENCE FOUNDATION Research Grant in Archaeology,

2009-2012 Division of Behavioral Sciences Climate Change, Human Impacts and Social Transformation on Easter Island (Stevenson, PI - Awarded \$200k)

PORTLAND STATE UNIVERSITY

Professional Development Fund for Part-Time Faculty Awards:

Winter 2009 - \$300 pollen processing Mat cores RKE08

Spring 2008 - \$500 to help in the field collection of cores

Summer 2008 - \$1200 for assistance in sediment core analysis

EARTHWATCH/AVIVA

2007 - Climate Change in the last 1,000 years on Rapa Nui. Chris Stevenson and Candace Gossen Awarded -- \$10,000

EASTER ISLAND FOUNDATION

10/2012. Easter Island Collaborative, Flagstaff, Az. Awarded - \$200

7/2012 \$ 500. Easter Island Conference, Santa Rosa, Cal.

2/7/2007 \$1600 AMS dating of floating mat of Rano Kao

7/11/2006 \$1800 AMS dating of pollen/sediment Rano Kao

4/24/2005 \$2000 AMS dating seeds Rano Kao

PORTLAND STATE UNIVERSITY-Faculty Development Fund

2005 - Project Title: Did Climate Change Play a Role in the Demise of Easter Island Culture? Awarded \$10,000

* (APPLIED but not awarded)

REFERENCES

Teaching

Lawrence B. Conyers
Professor, dept. chair
Department of Anthropology
Denver, Colorado, USA 80208
303-871-2684
lconyers@du.edu

Randy Martin, Director, San Juan Center
Skagit Valley College
360-378-3220
randy.martin@skagit.edu

Medicine

Caylor Wadlington, Professor
Colorado School of Traditional Chinese Medicine
Denver, Colo. 80206
caylor.wadlington@gmail.com

Colleen Gibson, L.Ac. 503-730-9073
Cultivate Wellness Pdx, Portland, Oregon
colleen@cultivatewellnesspdx.com

Archaeology

Christopher Stevenson, Archaeologist
Virginia Commonwealth University, Anthropology
Richmond, VA
Phone: 804-827-3418
cmstevenson@vcu.edu
cmstevenson23805@gmail.com

Architecture

Phillip Gallegos Arch D
Univ. of Colorado, Denver
303-883-9286
Phil.Gallegos@ucdenver.edu

Eddie Cazayoux, Architect
Retired Chair Dept. of Architecture
University of Louisiana @ Lafayette
337-332-4777
edwardjc@centurytel.net