

Associate Professor Eric D. Weber

University of Arizona
College of Architecture, Planning, and Landscape Architecture

Current Position

Associate Professor
Tenure Status: Granted Tenure July 1, 2017

Education

MARC, Arizona State University, 2000.
Major: Master of ARCHITECTURE

BS, Arizona State University, 1996.
Major: ARCHITECTURE - Bachelor of Science in Design

Licensures and Certifications

Registered Architect, State of Arizona. (June 11, 2009 - September 30, 2021).

Professional Experience

2021-Present
Associate Professor, School of Architecture, College of Architecture, Planning, and Landscape Architecture,
University of Arizona

2011-2021
Associate Professor, Coordinator, Design+Build Lab, University of Nevada Las Vegas

2010-2011
Visiting Professor, University of Nevada Las Vegas

2000-2010
Faculty Associate, Arizona State University
Taught first and second year design studios and developed new course,
"Meditations on Making," seminar on conceptual/theoretical genesis for architectural tectonics

2009-2010
Project Architect, Jones Studio Inc.

Responsible for glazing system design and exterior site features, Mariposa Land Port of Entry, Nogales, AZ
AIA National Institute Honor Award, 2016, GSA Design Excellence Honor Award in Architecture, 2016

2000-2009
Project Architect, Will Bruder Architects

Project Manager for Jarson Residence
AIA Phoenix Metro Home of the Year, 2009

Project Manager for TAXI Mixed Use, Denver, CO 103,754 square foot mixed use/urban renewal project
AIA Arizona Honor Award 2008, AIA Denver Honor Award 2008

Project Team Member for Hercules Public Library, Hercules, CA 25,000 square foot public library
AIA Arizona Citation 2008

Assistant Project Manager for Sky Arc Residence, Kentfield, CA
Project Team Member for Nevada Museum of Art, Reno, NV

Professional Memberships

Athens Institute for Education and Research. (January 9, 2015 - 2019).

Building Technology Educators Society. (January 15, 2013 - 2018).

TEACHING

Teaching Experience

University of Nevada, Las Vegas

AAE 793, Independent Study, 3 courses.
AAE 380, Architectural Design I, 1 course.
AAE 480, Architectural Design III, 9 courses.
AAE 482, Architectural Design IV, 9 courses.
AAE 493, Independent Study, 2 courses.
AAE 495, Special Topics in Architectural Design, 4 courses.
AAE 714L, Graduate Design IV, 1 course.
AAE 771L, Architectural Design V, 4 courses.
AAE 772L, Architectural Design VI, 3 courses.
AAE 789, Architecture Research Studio, 3 courses.
AAE 790, Professional Project Design, 1 course.
AAE 790*, Professional Project Design, 3 courses.
AAE 793, Advanced Independent Study, 10 courses.
AAE 795, Advanced Special Topics in Design, 4 courses.
AAI 322, Interior Construction and Detailing, 5 courses.
ABS 321, Construction Technologies I, 7 courses.
ABS 322, Construction Technologies II, 7 courses.
ABS 521, Construction Technologies I, 6 courses.
ABS 522, Construction Technologies II, 7 courses.
ABS 621, Construction Technologies, 3 courses.
ABS 793, Advanced Independent Study, 2 courses.

Directed Student Learning

Master's Thesis Committee Member, "What is the Best Residential Roof Assembly for the U.S. Desert Southwest, with Respect to Cost, Energy Efficiency, and Embodied Energy Concerns?." (August 15, 2015 - December 15, 2015).
Advised: John Carroll

Master's Thesis Committee Chair, "A Proposal For an Orphanage in Liberia," Fine Arts, College of. (August 15, 2014 - May 15, 2015).
Advised: Lee Consterdine

Master's Thesis Committee Chair, "The UNLV Solar Decathlon House," Fine Arts, College of. (January 15, 2014 - May 9, 2014).
Advised: Nathan Weber

Master's Thesis Committee Chair, "The UNLV Solar Decathlon House," Fine Arts, College of. (January 15, 2014 - May 9, 2014).

Advised: Thomas Slaughter

RESEARCH

Published Intellectual Contributions

Book Chapters

Weber, E. D. (2017). From Scratch: How to Start a Designbuild Program. In Kraus, C. (Ed.), *Designbuild Education in North America*. New York, New York: Routledge. www.routledge.com/Designbuild-Education/Kraus/p/book/9781138956308 Submitted: December 1, 2015 Accepted: December 2015

Weber, E.D (2016). DesertSol House. Edited by Koones, S., *Prefabulous: Small Houses* (pp. 44-51). Newtown, Connecticut: The Taunton Press.

Weber, E. D. (2016). The Crucible of Construction: Designing and Building the UNLV Solar Decathlon House. In Alifragkis, S., Patricios, N. (Ed.), *Architecture Anthology II: Architectural Technology*. Athens: Athens Institute for Education and Research. atiner.gr Submitted: December 28, 2015 Accepted: January 2016

Conference Proceedings

Weber, E. D. (2015). After the Solar Decathlon: Creating a New Design-Build Program. In Gines, J. A., Carraher, E., Galarza, J. (Ed.), *Proceedings of the 2015 Building Technology Educators' Society Conference* (pp. 21-29, 304-305). Building Technology Educators' Society. <http://www.btesonline.org/about.html> Submitted: January 15, 2015 Accepted: May 2015

Weber, E. D. (2013). Meditations on Making: Explorations in Materials and Tectonics. In Zarzycky, A., Dermody, R. J. (Ed.), *Proceedings of the 2013 Building Technology Educators' Society Conference* (pp. pp. 420-421). Building Technology Educators' Society. www.btesonline.org/Website/BTES2013_ConferenceHome.htm Submitted: January 2013 Accepted: March 2013

Other

(2016). In Weber, E. D. (Ed.), *Use-Value in Architecture*. <http://isparchitecture.com/category/use-value-in-architecture/>

Weber, E. D. (2014). In Papanikos, G. T. (Ed.), *The Crucible of Construction: Designing and Building the UNLV Solar Decathlon House* (pp. 105). Athens: Athens Institute for Education and Research. www.atiner.gr/abstracts/2014ABST-ARC.pdf Submitted: December 8, 2013 Accepted: December 2013

Refereed Journal Articles

Weber, E. D. (2018). Developing an Architect's Tectonic Philosophy Through Design Build Pedagogy: The Material Language of Building. *Common Ground Publishing*, 12(1), 1-10. www.designprinciplesandpractices.com

Weber, E. D. (2014). Creating the UNLV Solar Decathlon House: Processes and Lessons. *The International Journal of Architectonic, Spatial, and Environmental Design*, 8(1), 17-31. designprinciplesandpractices.com

Presentations

Completed

- Kopec, D., & Weber, E. D. (2020, April). Environmental Design Research Association Conference 51, TRANSFORM: Socially Embedded Collaboration. "Post Military Housing for Differently-Abled Military Veterans." Arizona State University, Tempe, Arizona.
- Weber, E. D. and Kopec, D. (2020, March). 2020 Residential Building Design Conference, "Designing a Net-Zero Veteran's Transitional Home," Penn State University.
- Weber, E. D. (2017, March). 11th International Conference on Design Principles and Practices, "Developing an Architect's Tectonic Philosophy through Design Build Pedagogy," Design Principles & Practices, Common Ground Publishing, Toronto, Ontario, Canada, George Brown College.
- Weber, E. D. (2016, April). The 6th International Conference on the Constructed Environment, "The Material Language of Building," University of Arizona, Tucson, Arizona.
- Weber, E. D. (2015, August). Use-Value in Architecture: Reconceptualizing Buildings' Functions. The Third International Symposium of the International Society for the Philosophy of Architecture, "Use-Value and the Ontology of Building," The International Society for the Philosophy of Architecture, Vienna, Austria.
- Weber, E. D. (2015, May). INTERSECTIONS & ADJACENCIES: Leadership in Architectural Technology Education, "After the Solar Decathlon: Creating a New Design-Build Program," The Building Technology Educators' Society Conference, University of Utah, Salt Lake City, Utah.
- Weber, E. D. (2015, March). 2015 Architectural Engineering Institute Professional Conference: Birth and Life of the Integrated Building, "After the Solar Decathlon: Creating a New Design-Build Program," Architectural Engineering Institute, American Society of Civil Engineers, Milwaukee, Wisconsin.
- Weber, E. D. (2015, March). Industrial- Post-individual- Neo-industrial Design: Ninth International Conference on Design Principles and Practices, "Creating a New Design-Build Program," Design Principles & Practices, Common Ground, Chicago, Illinois.
- Weber, E. D. (2014, October). Association of Collegiate Schools of Architecture 2014 Fall Conference, "Connecting to the Real: Digital Fabrication," Association of Collegiate Schools of Architecture, Halifax, Nova Scotia, Canada.
- Weber, E. D. (2014, October). Association of Collegiate Schools of Architecture 2014 Fall Conference, "Desert Oasis: A Design-Build Project in the Mojave Desert," Association of Collegiate Schools of Architecture, Halifax, Nova Scotia, Canada.
- Weber, E. D. (2014, July). 4th Annual International Conference on Architecture, "The Crucible of Construction: Designing and Building the UNLV Solar Decathlon House," Athens Institute for Education and Research, Athens, Greece.
- Weber, E. D. (2014, March). 5th North American Materials Education Symposium, "Creating the UNLV Solar Decathlon House," University of Illinois, Champaign, Illinois.
- Weber, E. D., "Desert Sol: The UNLV Solar Decathlon House," UNLV College of Fine Arts, Donna Beam Gallery of Fine Arts.
- Weber, E. D. (2014, January). Design as Collective Intelligence: Eighth International Conference on Design Principles and Practices, "Creating the UNLV Solar Decathlon House: Processes and Lessons," Design Principles & Practices, Common Ground, Vancouver, British Columbia, Canada.
- Weber, E. D. (2013, July). 2013 BTES Conference, "Meditations on Making: Explorations in Materials and Tectonics," Building Technology Educators Society, Roger Williams University.

Creative Performance / Production

Completed/Published

Weber, E. D., Zawarus, P. W., ... Mccown, K. D. (2013). CEDAR TRAIL RETROFITTING - PHASE ONE, UNLV Downtown Design Center. [Scope: Local] [Student Collaborators?: Neither]

Weber, E. D., Weber, E. D., Vermillion, J. D., Vermillion, J. D., Mccown, K. D., Mccown, K. D., ... Anderson, J. R. (2013). SMART hut: A Cerebral Experience, Warming Huts: An Art + Architecture Competition on Ice. [Scope: International] [Student Collaborators?: Neither]

Vermillion, J. D., Vermillion, J. D., Weber, E. D., Weber, E. D., McCown, K. O., McCown, K. O., ... Anderson, J. R. (2013). Arborvita. [Scope: International] [Student Collaborators?: Neither]

Weber, E. D. (2011). A Ceramic Artist's Studio. [Scope: State] [Student Collaborators?: Neither]

Media Contributions

Magazine

Vegas Magazine, Winter 2014 Edition. (February 2014). Thought Leader column, "Future Perfect: UNLV Architecture Professor Eric Weber Shows How Old-School Skills and a staff of 60 Students Can Build a House for the Future."

Fast Company (April 20, 2021). "Cheap, green, and beautiful: The future of housing, according to this year's Solar Decathlon winners." <https://www.fastcompany.com/90626722/cheap-green-and-beautiful-the-future-of-housing-according-to-this-years-solar-decathlon-winners>

Forbes (April 20, 2021). "Addressing The Housing Needs Of The Returning Veterans With Symptoms Of PTSD." <https://www.forbes.com/sites/sherikoones/2021/04/20/addressing-the-housing-needs-of-the-returning-veterans-with-symptoms-of-ptsd/?sh=13dd481a235c>

Radio Interview

KNPR State of Nevada (August 27, 2019). "RTC Transportation Summit Aims to Accelerate Silver State's Greening."

Newspaper

Nevada Capitol News (November 13, 2019). "UNLV to compete in Solar Decathlon: Mojave Bloom will cater to emotional and physical needs of combat veterans." <https://nevadacapitalnews.org/2019/11/13/unlv-to-compete-in-solar-decathlon-mojave-bloom-will-cater-to-emotional-and-physical-needs-of-combat-veterans/>

Las Vegas Sun (January 25, 2020). "UNLV's Solar House is 'Not Science Fiction,' It Can Be Built Now." <https://lasvegassun.com/news/2020/jan/25/unlvs-solar-house-is-not-science-fiction-it-can-be/>

Las Vegas Sun (April 9, 2021). "UNLV's Entry in National Competition Designed to Offer Respite to Veterans with PTSD." <https://lasvegassun.com/news/2021/apr/09/unlvs-entry-in-national-competition-designed-to-of/>

Las Vegas Review-Journal (April 12, 2021). "Sun and Brain Power Fuse in UNLV Students' Solar House for Vets" <https://www.reviewjournal.com/local/education/sun-and-brain-power-fuse-in-unlv-students-solar-house-for-vets-2327731/>

Las Vegas Sun (April 14, 2021). "Contest Highlights Innovative Thinking, Problem Solving at UNLV." <https://m.lasvegassun.com/news/2021/apr/14/contest-highlights-innovative-thinking-problem-sol/>

Pahrump Valley Times (April 16, 2021). "UNLV Students Prepare for Solar Competition." <https://pvtimes.com/news/unlv-students-prepare-for-solar-competition-98117/>

Las Vegas Review-Journal (April 20, 2021). "UNLV Team's Solar-Powered Home Finishes 3rd in Global Contest." <https://www.reviewjournal.com/local/education/unlv-teams-solar-powered-home-finishes-3rd-in-global-contest-2334133/>

Las Vegas Review-Journal (April 26, 2021). "UNLV places third in Solar Decathlon Build Challenge." <https://www.reviewjournal.com/homes/advertising-features/unlv-places-third-in-solar-decathlon-build-challenge-2337346/>

Las Vegas Business Press (April 26, 2021). "UNLV places third in Solar Decathlon Build Challenge." <https://businesspress.vegas/real-estate/unlv-places-third-in-solar-decathlon-build-challenge-27185/>

Television

"UNLV students build energy-efficient home for veteran" (April 9, 2021) https://www.fox5vegas.com/news/unlv-students-build-energy-efficient-home-for-veteran/video_d96a5e3d-1d80-5274-96da-5acb22bd89a6.html

KTNV News (Mar 27, 2021). "Team of UNLV architecture students entering the Solar Decathlon." <https://www.ktnv.com/news/team-of-unlv-architecture-students-entering-the-solar-decathlon>

University Media

UNLV News Center (April 30, 2019). "Veterans, Solar Power, and Marvels of Engineering." <https://www.unlv.edu/news/article/veterans-solar-power-and-marvels-engineering>

UNLV News Center (March 26, 2021). "Their Day in the Sun." <https://www.unlv.edu/news/release/their-day-sun>

Contracts, Grants and Sponsored Research

Contract

Weber, E. D. (Principal), 12716417, Research, "Downtown Design Center - The Mesa", The Mesa Retreat Center, LLC, Private-Non-Profit, 12716417, Current amount obligated: \$244,835.00. (March 3, 2016 - January 31, 2019).

Weber, E. D. (Principal), 12715314, Research, "Downtown Design Center - Lake Tahoe Shakespeare Festival Ticket Booth", Nev. Division of State Parks, State, 12715314, Total amount awarded: \$47,187.00, Current amount obligated: \$47,187.00. (January 1, 2015 - September 30, 2016).

Grant

Shrestha, P. P. (Principal), Weber, E. D. (Co-Principal), 71113259, Research, "Grant to Enhance Construction Education Programs at UNLV by Constructing Zero Energy Home for Solar Decathlon 2013", Nevada Commission on Construction Education, State, Total amount awarded: \$40,837.00, Current amount obligated: \$40,837.00. (December 1, 2012 - November 22, 2013).

Grant, Research

Kopec, D. (Principal), Weber, E. D. (Supporting), Daniello-Heyda, C. A. (Co-Principal), Hertlein, K. A. (Co-Principal), Lee, S.-p. (Co-Principal), "Keck House: An Interdisciplinary Research and Design Lab at UNLV," Sponsored by Keck Memorial Grant.

Subcontract

Weber, E. D. (Principal), Public Service, "Solar Decathlon 2020 - Team Las Vegas", Nat'l Renewable Energy Lab, Fed Pass Thru. Total amount awarded: \$130,000.00. (December 10, 2018 – April, 2021).

Weber, E. D. (Principal), Public Service, "Solar Decathlon 2013 - Team Las Vegas", Nat'l Renewable Energy Lab, Fed Pass Thru, AEJ-2-11809-12.1, Total amount awarded: \$100,000.00. (November 23, 2012 - November 20, 2013).

Weber, E. D. (Principal), Piechota, T. (Co-Principal), Public Service, "Solar Decathlon 2013 - Team Las Vegas", Nat'l Renewable Energy Lab, Fed Pass Thru, AEJ-2-11809-12, Total amount awarded: \$50,000.00, Current amount obligated: \$50,000.00. (November 23, 2012 - January 31, 2013).

Other

Strain, E. D. (Co-Principal), Clarke, S. R. (Co-Principal), Vera, M. (Co-Principal), Weber, E. D. (Co-Principal), Oakley, D. J. (Co-Principal), Baskin, S. (Co-Principal), "Klai Juba Wald Lecture Series," Sponsored by Klai Juba Wald Architects. (August 2015 - May 2017).

Awards and Honors

3rd Place, U.S. Department of Energy Solar Decathlon 2021, U.S. Department of Energy. (August 2019 - April 2021).

2nd Place, U.S. Department of Energy Solar Decathlon 2013, U.S. Department of Energy. (August 2011 - October 2013).

SERVICE

University Service

Committee Member, UNLV Faculty Senate Promotion and Tenure Committee. (Fall 2018 - Spring 2021).

Committee Member, College of Fine Arts Promotion and Tenure Committee. (Fall 2018 - Spring 2021).

Committee Member, College of Fine Arts Special Awards Committee. (Fall 2017 - Spring 2019).

Committee Member, School of Architecture Technology Committee. (January 1, 2014 - May 15, 2018).

Committee Member, SoA Personnel Committee. (Fall 2017 - Spring 2018).

Committee Member, School of Architecture Director Search Committee. (July 27, 2017 - Spring 2018).

Committee Member, Lectures & Exhibition Committee. (August 15, 2015 - May 15, 2016).

Chair, Lectures & Exhibition Committee. (January 1, 2014 - May 15, 2015).

Committee Member, Fabrication Laboratory Technician [15060]. (August 29, 2014 - December 15, 2014).

Professional Service

- Reviewer Conference Papers (2) 2021 Building Technology Educators Society Conference, Auburn University, Auburn, AL. (June 10-12, 2021)
- Reviewer, Kansas State University School of Architecture, Manhattan, KS, (March 16, 2021)
- Reviewer, Taliesin School of Architecture, Scottsdale, AZ. (December 4-5, 2019, May 1, 2020)
- Reviewer, University of Arkansas School of Architecture, Fayetteville, AR. (December 5, 2017 - December 7, 2017).
- Reviewer, Conference Paper, 106th ACSA Annual Meeting: The Ethical Imperative, Denver, CO. (May 2017 - November 15, 2017).
- Reviewer, Conference Paper, 2016 ASA Multidisciplinary Research Symposium, Southern Illinois University, Carbondale, IL. (April 20, 2016 - June 30, 2016).
- Reviewer, The Design School - Arizona State University, Tempe, AZ. (December 15, 2015).
- Editor, Associate Editor, THE INTERNATIONAL JOURNAL OF ARCHITECTONIC, SPATIAL, AND ENVIRONMENTAL DESIGN, Champaign, IL. (April 2014 - June 2014).
- UNLV University Forum Lecture Series, Las Vegas, NV. (2013 - May 2, 2013).
- Reviewer, University of Arizona School of Architecture and Landscape Architecture, Tucson, AZ. (April 25, 2013).
- Reviewer, Taliesin School of Architecture, Scottsdale, AZ. (March 27, 2013).
- Invited Presenter, Las Vegas Chapter, American Institute of Architects, Las Vegas, NV. (February 20, 2013).
- Reviewer, The Design School - Arizona State University, Tempe, AZ. (May 2, 2012).