

COURTNEY CROSSON

CURRICULUM VITAE

Assistant Professor, School of Architecture, University of Arizona (last updated April 2021)

CHRONOLOGY OF EDUCATION and PROFESSIONAL CREDENTIALS

EDUCATION

- 2007-2010 **Yale University | School of Architecture** | New Haven CT
Masters in Architecture (Terminal Degree)
Final Project (first prize in studio): *A Net Zero Carbon Resort for a UNESCO Site in Marrakech, Morocco*
Honors: H.I. Feldman Award nominee for best architectural solution within advanced studios
- 2000-2004 **Duke University** | Durham NC
BA Art History
Graduation with Distinction for Thesis: *Multiplicity, an Artist Collective, Investigating European Space and Union with Stefano Boeri*
Honors: Magna cum Laude, Phi Beta Kappa, Nancy Kaneb Art History Award for most exceptional graduate as agreed by art history faculty, Dean's List with Distinction 2000-2004

PROFESSIONAL CREDENTIALS

- 2014-present Registered Architect, Arizona registration number 58857
2013-present LEED Accredited Professional, Neighborhood Development
2011-present LEED Accredited Professional, Building Design + Construction

CHRONOLOGY OF ACADEMIC EXPERIENCE

- 2016-present **University of Arizona | School of Architecture** | Tucson AZ
Assistant Professor, tenure eligible
Additional Titles: Assistant Professor, Global Change Interdisciplinary PhD Program (2017-present)
- 2016 spring **University of Arizona | School of Architecture** | Tucson AZ
Assistant Professor of Practice
- 2015 fall **University of Arizona | School of Architecture** | Tucson AZ
Adjunct Lecturer
- 2009-2010 **Yale University | School of Architecture** | New Haven CT
Graduate Teaching Fellow
Courses: Architecture and Capitalism (professor Peggy Deamer), Urban Life and Landscape (professor Elihu Rubin), The Extended Site (professor Liza Fior)
- 2008 **Yale University | Divinity School** | New Haven CT
Graduate Teaching Fellow
Courses: The House of the Lord: Designing Worship Spaces
- 2003-2004 **Duke University | Biology Department** | Durham NC
Teaching Assistant
Courses: The Biology of AIDS

CHRONOLOGY OF PROFESSIONAL EXPERIENCE

- 2012-2016 **BuroHappold Engineering** | Los Angeles CA
Associate + Senior Sustainability Consultant
- Union Station Master Plan | Los Angeles CA | Grimshaw Architects
Sustainability Consultant
- Los Angeles County Museum of Art Extension LACMA | Los Angeles CA | Atelier Peter Zumthor
Sustainability Consultant | Pursuing Living Building Challenge Net Zero Energy Certification
- Santa Monica City Hall Extension | Santa Monica CA | Fredrick Fisher and Partners Architects
Project leader coordinating MEP, energy analysis, and sustainability scopes | Pursuing Living Building Challenge Certification
- Providence Saint John's Master Plan | Santa Monica CA | Moore Ruble Yudell Architects
Sustainability Consultant
- Grande Headquarters | Fond du Lac WI | Overland Partners Architects
Project leader coordinating SMEP, ICT, Security, and Sustainability scopes
- Rice University Integrated Campus Plan | Houston TX | Kieran Timberlake Architects
Sustainability Consultant
- Institute for Energy Efficiency | University of Santa Barbara CA | Kieran Timberlake Architects
Sustainability Consultant | Pursuing LEED Platinum
- Brown School of Social Work | Washington University St Louis MO | Moore Ruble Yudell Architects
Sustainability Consultant | Living Building Challenge Feasibility Study
- Shanghai Theatre Academy | Shanghai China | Moore Ruble Yudell Architects
Sustainability Consultant
- LaKretz Cleantech Innovation Center | Los Angeles CA | JFAK Architects
Sustainability Consultant | LEED Platinum
- BioMedical Headquarters | San Francisco CA | Flad Architects
Sustainability Consultant | Pursuing Living Building Challenge Net Zero Energy Certification
- Pacoima Wash Master Plan Los Angeles River | Los Angeles CA | LA Mas
Project leader coordinating SMEP and Sustainability scopes
- Catholic Church POCHE School | Port au Prince Haiti | LA Mas
Project leader coordinating SMEP and Sustainability scopes
- 2010-2012 **Foster + Partners: Architectural Design + Engineering Firm** | Hong Kong China
Sustainability Consultant + Engineering Coordinator + Designer
- VietinBank Headquarters | Hanoi Vietnam
Engineering coordinator for SMEP for DD-CA
- Hong Kong Boundary Crossing Facility | Hong Kong China
Designer and Sustainability Consultant
- 2009 **MUF Architecture Art** | London UK
Project Manager + Designer
- Dover Cultural Strategy | Dover UK
Project Manager and Exhibit Designer

- 2007-2008 **Duke University Board of Trustees** | Muhuru Bay Kenya
Lead Designer + Project Manager
WISER Secondary Girls Boarding School | Muhuru Bay, Kenya
Designed community center, school, student boarding, teacher boarding, solar power system, water distribution system, waste water system for 120 students and 12 teachers
Negotiated and finalized land purchase, oversaw legal document drafting and signing with lawyers in USA and Kenya to create an in-country NGO
Finalized construction documents for architecture, structure and mechanical with team of civil and structural engineers and lawyers, brought project to tender
- 2004-2005 **United Nations Habitat** | Nairobi Kenya
Researcher
Kibera Slum Upgrading Project
Completed the socio-economic mapping of Kibera, an informal settlement in Nairobi, Kenya, in preparation for proposed upgrading of the area by UN-Habitat and the Government of Kenya
Wrote the executive summary, historical context, and interpretive analysis for household survey report; wrote business survey report; edited participatory urban appraisal report
- 2003 **Multiplicity + Boeri Architects** | Milan Italy
Researcher
Coordinated exhibits at the 2003 Biennale, Venice, Italy; Musee d'Art Moderne de Ville, Paris, France; Kunst-Werke, Berlin, Germany; and Generali Foundation, Vienna, Austria
Translated Multiplicity's documents, edited final English version of USE: Uncertain States of Europe

HONORS + AWARDS

INTERNATIONAL and NATIONAL AWARDS

- 2020 **Research Contribution Award** (peer-reviewed)
Editorial Board of *Technology | Architecture+ Design* (TAD)
Annual national award for the single greatest research contribution in the journal that year | My article was selected through a peer-review process by the TAD Editorial Board however due to my concurrent service on the ACSA National Board, the granting of the award was deemed a conflict of interest by the ACSA Board
- 2018 **ACSA/AIA Practice + Leadership Award** (blind peer reviewed)
Association for Collegiate Schools of Architecture and American Institute of Architects
National award to recognize highly effective teaching, scholarship, and outreach
- 2017 **AESS President's Award**
Association for Environmental Studies and Sciences (AESS)
President's Award for Educational and Environmental Collaboration and Excellenc
- 2015 **AIA Emerging Leader Fellow** (peer-reviewed)
American Institute of Architects (AIA)
One of five national recipients of the annual AIA award for emerging leaders
- 2004-2005 **Hart Fellow** (competitive)
Sanford Institute of Public Policy, Duke University Durham NC
Supported research collaboration with United Nations-Habitat on the Kibera Slum Upgrading Project | Nairobi Kenya

STATE and COMMUNITY AWARDS

- 2019 **AIA Community Education Award** (blind peer reviewed)
American Institute of Architects (AIA) | Arizona State Chapter
- 2019 **AIA Community Design Award** (blind peer reviewed)
American Institute of Architects (AIA) | Arizona State Chapter
- 2018 **Dobras Award**
Dean's Award | UA College of Architecture, Planning and Landscape Architecture
Annual Dean's award given in recognition of outstanding service to the community
- 2017 **AIA Urban and Regional Planning State Design Award, citation** (blind peer reviewed)
American Institute of Architects (AIA) | Arizona State Chapter
- 2017 **Crescordia Award** (first place) (blind reviewed)
Arizona Forward | Environmental Excellence Awards
Environmental Educator Excellence State Award | Recognized Tucson 2050 Project
- 2017 **Common Ground Award | Finalist** (blind reviewed)
Metropolitan Pima Alliance | Recognizes outstanding collaboration in the community
- 2016 **AIA Pedagogy Award** (blind peer reviewed)
American Institute of Architects | Arizona State Chapter

DESIGN AWARDS WON BY STUDENTS

- 2020 **Design Excellence Award, Citation** (blind reviewed)
American Institute of Architects (AIA) | Southern Arizona Chapter
Hannah McCormick and Mary Henderson | Arc451a: Complete Green Streets Studio
Award for the best student design work selected across the Fourth and Fifth Year Option Studios
- 2019 **Design Excellence Award, Honorable Mention** (blind reviewed)
American Institute of Architects (AIA) | Southern Arizona Chapter
Orianna Cascarano and Chung-Tse Lin | Arc451a/510f: Pima Water Urbanism
Award for the best student design work selected across the Fourth and Fifth Year Option Studios
- 2018 **Design Excellence Award, Honorable Mention** (blind reviewed)
American Institute of Architects (AIA) | Southern Arizona Chapter
Morgan Nestergard and Daniel Jerim | Arc461a: Pima Water Urbanism
Award for the best student design work selected across the Fourth and Fifth Year Option Studios

PUBLICATIONS

PEER-REVIEWED BOOK CHAPTERS

- 2020 **Crosson, Courtney** and Kepha Ngito. "Informal Water Service Providers: Water Access and Quality in Kibera Informal Settlement in Nairobi." *The Unexamined: Critical Inquiries on Architecture and Place*. Ed. Susannah Dickinson, Aletheia Ida, Jonathan Bean. Cambridge: Cambridge Scholars Publishing, 2020.

INVITED BOOK CHAPTER CONTRIBUTIONS

- 2021 **Crosson, Courtney** with Dominic Boccelli, Jennifer Duan, Kevin Lansey, Thomas Meixner, and Christopher Scott. "Net Zero Urban Water Multidisciplinary Collaboration Diagram" in Barbara Bryson, *Creating a Culture of Predictable Outcomes: How Leadership, Collaboration, and Decision-Making Drive Architecture and Construction*. New York: Routledge, 2021. Pg 189.
- 2018 **Crosson, Courtney**. "Net Zero Water System Diagram" and "Design Procedure" in Allison Kwok and Walter Grondzik, *The Green Studio Handbook*. New York: Routledge, 2018. Pg 263-265.

INVITED JOURNAL PAPERS

- 2021 **Crosson, Courtney**. "Four Modes of Engagement: Positioning University Urban Design and Research Centers for the Future." *Journal of Comparative Urban Law and Policy*, (2021). Accepted.

PEER-REVIEWED JOURNAL PAPERS

- 2021 **Crosson, Courtney**, Daoqin Tong, Yinan Zhang^o, and Qing Zhong. "Rainwater as a renewable resource to achieve net zero urban water in water stressed cities." *Resources, Conservation and Recycling* 164 (2021): 105203. **(Impact Factor: 8.1)**
- 2021 **Crosson, Courtney**. "Answering the Supply-Demand Gap with Alternative Water Sources: Retrofitting Cities to Achieve Net Zero Urban Water." *Landscape Journal* 39, no. 1 (2021): 1-20.
- 2020 Tong, Daoqin, **Courtney Crosson**, Qing Zhong, and Yinan Zhang^o. "Optimize urban food production to address food deserts in regions with restricted water access." *Landscape and Urban Planning*. 202 (2020): 103859. **(Impact Factor 5.9)**
- 2020 **Crosson, Courtney**, Andrea Achilli, Adriana A. Zuniga-Teran, Elizabeth A. Mack, Tamee Albrecht^o, Padmendra Shrestha^o, Dominic L. Boccelli, Tzahi Y. Cath, Glen T. Daigger, Jennifer Duan, Kevin E. Lansey, Thomas Meixner, Stephanie Pincetl, Christopher A. Scott. "Net Zero Urban Water from Concept to Applications: Integrating Natural, Built, and Social Systems for Responsive and Adaptive Solutions." *Environmental Science and Technology (ES&T) Water* (2020).
- 2018 **Crosson, Courtney**. "Innovating the Urban Water System: Achieving a Net Zero Water Future Beyond Current Regulation." *Technology | Architecture+ Design*. Vol 2, no. 1 (2018): 68-81.
- 2017 **Crosson, Courtney**. "Afraid of Night." *TRANS: the student journal of the University of Arizona School of Architecture*, 2017. 67-72. (50% acceptance rate)
- 2017 **Crosson, Courtney**. "Shades of Green: Modifying Sustainability Rating Systems for Transit Center Functionality." *Transportation Research Record: Journal of the Transportation Research Board* 2638 (2017): 88-96.
- 2016 **Crosson, Courtney**. "Achieving Net Zero Water in Severe Drought Prone Areas: A Case Study of Catchment, Storage, and Infiltration Optimization." *Procedia Engineering* 145 (2016): 782-789.

PEER-REVIEWED CONFERENCE PAPERS and PROCEEDINGS

- 2021 **Crosson, Courtney**. "Parks as Performative Landscapes: Networked Green Infrastructure for a Flooded Desert City." *Proceedings of the ARCC Conference*, 2021.

- 2021 **Crosson, Courtney**. "Complete Green Streets for Multiple Benefits: Improving equity, increasing safety, and reducing flooding across the multimodal transportation network." *Proceedings of the ACSA Annual Conference*, 2021. (27% acceptance rate)
- 2020 **Crosson, Courtney**. "Willingness to Invest in a Carbon and Water Neutral Future: Mobilizing Community Decision-Making with the Anchoring Effect." *Proceedings of the ACSA Annual Conference*, 2020. (26% acceptance rate)
- 2020 **Crosson, Courtney**. "Beyond the Centralized Paradigm: Retrofitting Cities with Decentralized Energy, Transportation, and Water Infrastructure for Expanded Urban Resilience." *Proceedings of the ACSA Annual Conference*, 2020. (26% acceptance rate)
- 2020 **Crosson, Courtney**. "A Model for Community and Criticality: The University Urban Design and Research Center." *Proceedings of the ARCC-EAAE International Conference*, 2020. Accepted. (30% acceptance rate)
- 2020 **Crosson, Courtney** and Sandra Bernal. "The Citizen-Architect: Collaborative Solutions between the Public and Profession for Long Term Design Performance Success." *Proceedings of the ARCC-EAAE International Conference*, 2020. Accepted. (30% acceptance rate)
- 2019 **Crosson, Courtney**. "Reducing Building Water Use Intensity (WUI): Tools for Academia and Practice." *Building Technology Educator's Society Proceedings* 2019, no. 1 (2019): 17.
- 2019 **Crosson, Courtney**. "The Ensuing Flood: Increasing Equity and Reducing Impact through Networked Decentralized Infrastructure." *Proceedings of the ACSA-AIA Intersections Research Symposium*, 2019. (7% acceptance rate)
- 2018 **Crosson, Courtney**. "Creating Our Own Ladders to Climb: Architects Setting Sustainable Policy." *Proceedings of the ARCC-EAAE International Conference*, 2018. 38-46. (30% acceptance rate)
- 2018 **Crosson, Courtney**. "A Model for Public-Private-Academic Partnership: Supporting Climate Planning Imperatives in Cities." *Proceedings of the ARCC-EAAE International Conference*, 2018. 274-282. (30% acceptance rate)
- 2016 **Crosson, Courtney**. "Achieving Net Positive Water: Our Regenerative Future within Current Regulation." *Proceedings of the Passive and Low Energy Architecture International Conference*.

PEER-REVIEWED POSTERS

- 2018 Zhang, Yanan^o, **Courtney Crosson**, Daoqin Tong, Qing Zhong^o. "Rainwater as Potential Resource for Water Independence in Tucson's Communities." *American Association for Geographers (AAG)*. Annual Conference: New Orleans, LA.
- 2018 Zhang, Qing^o, Daoqin Tong, **Courtney Crosson**, Yanan Zhang^o. "Rainwater as Historic Resource for Native Food Systems in Tucson's Food Desert Communities." *INFORMS*. Annual Conference: Phoenix, AZ.
- 2018 Zhang, Yanan^o, **Crosson, Courtney**, Daoqin Tong, Qing Zhong^o. "Rainwater as Potential Resource for Water Independence in Tucson's Communities." *Arizona Water Resource and Research Center*. Annual Conference: Tucson, AZ.
- 2017 **Crosson, Courtney**. "Architects Setting Sustainable Policy." *Architecture Research Centers Consortium (ARCC)*. Annual Conference: Salt Lake City, UT.
- 2016 **Crosson, Courtney**. "Achieving Net Zero Water: The Co-Optimization of Catchment, Storage, and Infiltration." *Arizona Water Resource and Research Center*. Annual Conference: Tucson, AZ.

PEER-REVIEWED WHITE PAPERS

- 2019 **Crosson, Courtney**, Daoqin Tong, Qing Zhong^o, Yinan Zhang^o. "Rainwater as Potential Resource for Water Independence in Tucson's Communities." *Making Action Possible for Southern Arizona*. University of Arizona, 2019.

PUBLISHED REPORTS

- 2020 **Crosson, Courtney**, Yinan Zhang^o, Daoqin Tong. "The Potential of Green Infrastructure in Mitigating Flood Impacts on the Mobility of Low Income and Minority Neighborhoods." National Institute for Transportation and Communities. Spring 2020.
- 2005 UN-Habitat/Government of Kenya. "Kibera Social and Economic Mapping: Household Survey Report." February 2005.
- 2005 UN-Habitat/Government of Kenya. "Kibera Social and Economic Mapping: Business Survey Report." February 2005.

SELF PUBLICATION OF STUDIO WORK

- 2020 "Tucson Adaptive Streets: designing for Mobility, Water, and Community" | ARC451a: Option Studio | book of design guidelines for prototypical pieces of a complete street design for mobility and water
- 2019 "One Water : Downtown Tucson 2050" | ARC451a: Option Studio | 266 page book
- 2018 "Tucson 2050 : A Vision for a Future Downtown" | ARC451a: Option Studio | 262 page book
- 2017 "YWCA Water Commons" | ARC451b: Option Studio | 20 page booklet for the YWCA
- 2017 "Hydro-Tetris" | ARC451b | 20 page book for the City of Tucson and Pima Flood Control
- 2017 "2050 Downtown Tucson EcoDistrict" | ARC451a: Option Studio | 240 page book in print and online
- 2016 "University of Arizona Road Map to Carbon and Water Neutrality" | ARC451b: Option Studio | 230 page book that is a roadmap for University of Arizona to reach carbon and water neutrality by 2050

PUBLICATIONS BY OTHERS ABOUT WORK

PUBLICATIONS ABOUT RESEARCH and OUTREACH WORK

- 2021 "Could Rainwater Harvesting and Urban Agriculture Be the Solution to Tucson's Food Deserts?" *The Daily Wildcat*. 18 February 2021. https://www.wildcat.arizona.edu/article/2021/02/neighborhood-farms-study?fb_comment_id=4271699876191819_4271809556180851
- 2021 "New Research Finds Rainwater Harvesting Could Be a Solution to Tucson Food Deserts." *ABC15 News Arizona*. Interviewed aired on television: 09 February 2021. <https://www.abc15.com/news/region-central-southern-az/tucson/new-research-finds-rainwater-harvesting-could-be-solution-to-tucson-food-deserts>
- 2021 "WATER You Thinking?" *Behind the Beaker Podcast*. Interview released on podcast platforms: 25 January 2021. <https://podcasts.apple.com/us/podcast/behind-the-beaker/id1519859834>
- 2021 "Growing an Urban Farm." *Desert Leaf*. Plan of Action section. March 2021, Pg 12 and 22. <https://online.fliphtml5.com/uyvk/lmty/#p=13>

- 2021 "The Futuristic City – what tomorrow’s urban areas may have in store for us." *ZME Science*. 22 January 2021. <https://www.zmescience.com/other/feature-post/the-futuristic-city-what-tomorrows-urban-areas-may-have-in-store-for-us/>
- 2021 "Neighborhood Farms Could Be the Answer to Tucson’s Food Deserts." *PHYS org*. 13 January 2021. <https://phys.org/news/2021-01-neighborhood-farms-tucson-food.html>
- 2021 "UA Study: Neighborhood Farms Could Be the Answer to Food Deserts." *University of Arizona News*. 15 January 2021. https://www.pinalcentral.com/arizona_news/ua-study-neighborhood-farms-could-be-the-answer-to-food-deserts/article_36b61c62-69b0-522e-b050-ea188e683bae.html
- 2021 "Summary of Net Zero Water from Concept to Applications: Integrating Natural, Built, and Social Systems for Responsive and Adaptive Solutions." *Water Resources Research Center - Weekly Wave Newsletter*. 05 February 2021. <https://wrrc.arizona.edu/news/summary-net-zero-urban-water-concept-applications-integrating-natural-built-and-social-systems>
- 2020 "The Potential of Green Infrastructure in Mitigating Flood Impacts: Focused on the mobility of low income and minority communities." *Science Daily*. 04 September 2020. <https://www.sciencedaily.com/releases/2020/09/200904100636.htm>
- 2020 "The Potential of Green Infrastructure in Mitigating Flood Impacts." *PHYS org*. 04 September 2020. <https://phys.org/news/2020-09-potential-green-infrastructure-mitigating-impacts.html>
- 2020 "The Potential of Green Infrastructure in Mitigating Flood Impacts on the Mobility of Low Income and Minority Neighborhoods." *National Institute for Transportation and Communities Newsletter*. 02 September 2020. <https://nitc.trec.pdx.edu/news/potential-green-infrastructure-mitigating-flood-impacts-mobility-low-income-and-minority>
- 2018 Davis, Tony. "Climate forecasts remain gloomy, experts say at University of Arizona Workshop." *Arizona Daily Star*. 31 March 2018. http://tucson.com/news/local/climate-forecasts-remain-gloomy-experts-say-at-university-of-arizona/article_03f860db-7ed6-5919-91e3-7dbfd11e61c5.html
- 2018 Association for Collegiate School of Architecture (ACSA). "Innovating the Urban Water System." *Weekly Newsletter*. 6 April 2018. Feature in weekly ACSA newsletter on recent published article in *Technology Architecture + Design*.

PUBLICATIONS ABOUT TEACHING and OUTREACH WORK

- 2021 "Tucson Partners with University of Arizona Architecture Students to Build Bicycle Boulevards." *KOLD News 13*. 27 January 2021. <https://www.kold.com/2021/01/27/tucson-partners-with-university-arizona-architecture-students-build-bike-boulevards/>
- 2019 "Vacant Parcel Park Conversion Example" in *Green Stormwater Infrastructure Fund Proposal*. City of Tucson. April 2019. Pg 47. https://www.tucsonaz.gov/files/water/COT_GSI_Report_DRAFT_2019_05_08.pdf
- 2019 "Student Designs Become Real-World Solutions." *Arizona Daily Republic*. 03 November 2019. Pg W36.
- 2019 Life Along the Streetcar. "One Water Tucson 2050 Vision: Interview with students Juliana Seymour and Amie Maxwell." *Downtown Radio*. Interview aired on radio: 9 May 2019.
- 2018 "Downtown Tucson 2050 Exhibit." *Zocalo Magazine*. Architecture Section. May 2018, Pg 7, No.96.
- 2018 "UA Architecture students share vision of Tucson 2050." *Tucson News Now*. 12 May 2018. <http://www.tucsonnewsnow.com/story/38177147/ua-architecture-students-share-vision-of-tucson-2050>

- 2018 "A Look At Tucson 2050: A Vision For A Future Downtown Tucson." *Tucson Improvement and Beautification Organization*. 21 May 2018. <http://tiboaz.biz/2018/05/21/a-look-at-tucson-2050-a-vision-for-a-future-downtown-tucson/>
- 2018 "Urban Flooding." *Steve K's Councilmember Ward 6 Newsletter*. City of Tucson. 17 December 2018. <https://www.tucsonaz.gov/ward-6/news/steve-ks-newsletter-121718>
- 2018 Life Along the Streetcar. "Tucson 2050 Vision: Interview with professor Courtney Crosson." *Downtown Radio*. Two part interview that aired: 10 June 2018 and 17 June 2018.

MEDIA

EXHIBITS

- 2021 "Room(s): Selected Works from Graduates of Yale School of Architecture" | Contributor | Yale School of Architecture Gallery
- 2019 "One Water: Downtown Tucson 2050" | 110 Congress Street | ARC451a: Option Studio | Tucson AZ (250+ attendees)
- 2018 "Tucson 2050: A Vision for A Future Downtown" | 120 Congress Street | ARC451a: Option Studio | Tucson AZ (350+ attendees)
- 2017 "University of Arizona Roadmap to Carbon and Water Neutrality" | ARC451a: Option Studio | University of Arizona Downtown Storefront Windows | Tucson AZ
- 2009 "Dover Cultural Framework Exhibition" | Exhibit Designer | Dover Library | Dover UK
- 2005 Kibera Youth Photography Exhibition | Exhibit Designer | Java House | Nairobi Kenya

POP-UP BOOK

- 2019 "Where Did the River Go?" | ARC451b/510f: Option Studio | pop-up children's book to educate children about green infrastructure and restoring the flow of our desert rivers

BOARD GAME

- 2018 "Monsoon: a game of collaborative creativity for urban water solutions" | ARC451b/510f: Option Studio | board game used to teach K-12 students and community members how to design and build green infrastructure

WORKS IN PROGRESS

PEER-REVIEWED ARTICLES (Under Review)

Crosson, Courtney. "Agency and Adaptation: The built environment of the Kibera Slum Upgrading Project." *Planning Theory*. Revise and Resubmit. **(Impact Factor: 3.5)**

Zhong, Qing, Daoqin Tong, **Courtney Crosson**, and Yinan Zhang. "A GIS-based Approach to Assessing the Capacity of Rainwater Harvesting for Addressing Outdoor Irrigation." *Journal of Cleaner Production*. Submitted. **(Impact Factor: 7.2)**

PEER-REVIEWED ARTICLES (In Progress)

Crosson, Courtney, Yinan Zhang, Daoqin Tong. “Implementing Green Infrastructure for Equitable Access to Pedestrian, Bicycle, and Vehicle Transportation Networks.” Ready for Submission for *Landscape and Urban Planning* or *Sustainable Cities and Society*.

Crosson, Courtney, Daoqin Tong, Yinan Zhang. “Rainwater as a Renewable Resource to Achieve Net Zero Water in the Ten Largest US Cities.” For Submission for *Nature: Sustainability*.

Crosson, Courtney and Sandra Bernal “Rainwater Harvesting Rebate Adoption: Ensuring Equitable Access to Alternative Water Sources in Water Stressed Cities.” For *Water Alternatives*. Draft.

Crosson, Courtney. “Community Outreach in the Time of Covid: Strategies for Connecting with Diverse Neighborhood Associations Across a Six-Mile Bicycle Boulevard Project.” Draft.

Crosson, Courtney and Nupur Joshi. “Informal Water Service Providers in Kibera, Nairobi, Kenya.” Draft for *International Journal of Urban and Regional Research*.

Zhang, Yinan, **Courtney Crosson**, Daoqin Tong. “Disparity in Rainwater Harvesting Rebate Adoption: A Case Study in Tucson, Arizona.” Draft.

AUTHORED BOOKS (In Progress)

Crosson, Courtney. “Net Zero Water: Designing the Future for a Reliable Resource.” Sample Table of Contents and Introduction written, conversations with Actar and Routledge.

SCHOLARLY PRESENTATIONS

INVITED KEYNOTE PANELS

- 2017 “Closing Keynote Panel” | Association of Environmental Studies and Sciences (AESS) | Tucson AZ
- 2017 “Sustainable Cities: Keynote Panel” | Arizona First | Living Economy Forum | Tucson AZ

INVITED SCHOLARLY PRESENTATIONS

- 2021 “Net Zero Urban Water” | Restruct Symposium | University of Arizona | Tucson AZ
- 2019 “Retrofitting Cities to Achieve Net Zero urban Water: Collaborating with Municipal Agencies and Public Adopters to Design and Implement Adaptive Solutions” | Restruct Symposium | University of Arizona | Tucson AZ
- 2019 “Innovating the Urban Water System: Toward Net Zero Water” | UA Department of Civil and Architectural Engineering and Mechanic’s Seminar Series | Tucson AZ
- 2019 “Net Zero Urban Water” | Building A Changing World Workshop | University of Arizona | Tucson AZ
- 2018 “Innovating the Urban Water System: achieving a net zero water future beyond current regulation” | Association for Collegiate Schools of Architecture | TAD Journal Paper Session | Denver CO
- 2018 “Sustainable Cities” | National Science Foundation (NSF) | Surviving Peak Drought Workshop | Panel | Tucson AZ

- 2018 “Innovating Our Urban Water System: the architecture of our decentralized future” | University of Arizona School of Architecture | Lecture Series | Tucson AZ
- 2018 “Innovating the Urban Water System: the architecture of our decentralized future” | Water Resource Research Center (WRRRC) | Brown Bag Series | University of Arizona | Tucson AZ
- 2018 “Innovating the Urban Water System: Net Zero Water Design” | Sustainable Built Environments (SBE) | Lecture Presentation Series | University of Arizona | Tucson AZ
- 2018 “Recent Work” | School of Architecture Slide Slam | University of Arizona | Tucson AZ
- 2016 “Green Infrastructure Panel” | EcoDistricts | Annual Pre-Conference Community Summit | Panel | Boulder CO
- 2016 “Pursuing the Sustainability of Our Cities with Public Private Partnerships” | American Institute of Architects (AIA) | National Summit on Infrastructure and Public Private Partnership | Panel | Santa Monica CA
- 2016 “Future-proofing Our Water Policy” | International Living Futures Institute | Net Positive Energy + Water Conference | Panel | San Diego CA

INVITED OUTREACH PRESENTATIONS

- 2021 “The Capacity of Alternative Water Sources to Increase Urban System Resiliency and Sustainability” | City of Tucson | Tucson Water Research Oversight Committee | Virtual | Tucson AZ
- 2021 “Addressing Food Deserts through Food Cultivation with Sustainable Water Resources” | Rotary Club of Tucson | Virtual | Tucson AZ
- 2021 “Urban Food Desert and Sustainable Water Sources” | Climate Tucson | Virtual | Tucson AZ
- 2020 “Net Zero Urban Water: Concepts and Application” | Environmental and Water Resources Institute (EWRI) – Arizona | Phoenix AZ
- 2020 “Tucson Adaptive Streets: Designing for Mobility, Water, and Community” | Pima Association of Governments Low Impact Development Group | Tucson AZ
- 2020 “CAPLA Futures Council Panel” | College of Architecture Planning and Landscape Architecture’s Futures Council
- 2019 “Retrofitting the City Toward a Resilient and Adaptive Future” | Udall Center and Center for Climate Adaptation Sciences and Solutions (CCASS)’s Panel on Water Security
- 2019 “Urban Resilience Panel” | Center for Climate Adaptation Sciences and Solutions (CCASS) | Tucson AZ
- 2019 “Tucson 2050: One Water Studio Work” | Arizona Hydrological Society | Tucson AZ
- 2019 “Urban Resilience Panel” | University of Arizona Hydrology and Atmospheric Sciences Student Club | Monthly Meeting | Tucson AZ
- 2018 “Innovating Our Urban Water System: Multiuse Basin Decentralized Networks” | Pima County Regional Flood Control District | Brown Bag Series | Tucson AZ
- 2018 “Downtown Tucson 2050 Project” | Center for Climate Adaptation Science and Solutions (CCASS) | Urban Resilience Panel | Tucson AZ
- 2018 “Innovating the Urban Water System: Net Zero Water Design” | Living Building Challenge Sonoran Collaborative | Monthly Lecture Series | Phoenix AZ
- 2018 “Women in Architecture Panel” | Women in Architecture Club | University of Arizona | Tucson AZ

- 2017 "Downtown Tucson 2050 District" | Tucson Electric Power (TEP) | Lunch Presentation | Tucson AZ
- 2017 "Downtown Tucson 2050 District" | Pima County | Sustainability Brown Bag Series | Tucson AZ
- 2017 "Downtown Tucson 2050 District" | City of Tucson Staff | Lunch Presentation | Tucson AZ

INVITED WEBINARS

- 2019 "Rainwater as Resource for Tucson's Communities" | Making Action Possible for Southern Arizona Economic and Business Research Center | UA Eller College of Management
- 2018 "Innovating the Urban Water System: achieving a net zero water future beyond current regulation" | Technology Architecture + Design (TAD) | Featured Journal Articles

INVITED PANEL MODERATION

- 2021 "Political Productions / Architectural Performance" keynote by Peggy Deamer | Annual Conference | Architectural Research Centers Consortium (ARCC)
- 2019 "Creating Positive Change in an Uncertain Climate" | Administrators Conference | Association for Collegiate Schools of Architecture (ACSA)
- 2019 "Landscape and Pedagogy Session" | Building Technology Educators Society (BTES)
- 2017 "The Student Success District Sustainability" | University of Arizona School of Architecture Lecture Series

SCHOLARLY CONFERENCE PRESENTATIONS

- 2021 "Parks as Performative Landscapes: Networked Green Infrastructure for a Flooded Desert City." ARCC Conference | Virtual
- 2021 "Complete Green Streets for Multiple Benefits: Improving equity, increasing safety, and reducing flooding across the multimodal transportation network." | ACSA Annual Conference | Virtual (31% acceptance rate)
- 2020 "Willingness to Invest in a Carbon and Water Neutral Future: Mobilizing Community Decision-Making with the Anchoring Effect." | ACSA Annual Conference | Virtual (20% acceptance rate)
- 2020 "Beyond the Centralized Paradigm: Retrofitting Cities with Decentralized Energy, Transportation, and Water Infrastructure for Expanded Urban Resilience." | ACSA Annual Conference | Virtual (20% acceptance rate)
- 2020 "A Model for Community and Criticality: The University Urban Design and Research Center." | ARCC-EAAE International Conference | Virtual (30% acceptance rate)
- 2020 "The Citizen-Architect: Collaborative Solutions between the Public and Profession for Long Term Design Performance Success." | ARCC-EAAE International Conference | Virtual (30% acceptance rate)
- 2019 "Advances in Green Infrastructure research, Development, and Community Adoption" | American Geophysics Union (AGU) | Co-chair of 2 oral sessions and 2 poster sessions
- 2019 "The Ensuing Flood: Increasing Equity and Reducing Impact through Networked Decentralized Infrastructure" | ACSA-AIA Intersections Symposium | AIA Annual Convention | Las Vegas NV (7% acceptance – moderated by Bryan Bell)

- 2019 "Reducing Building Water Use Intensity (WUI): Tools for Practice and Academia" | Building Technology Educators Society (BTES) | National Conference | Amherst MA
- 2019 "Disparity in Rainwater Harvesting Rebate Adoption: A Case Study in Tucson, Arizona." *American Association for Geographers (AAG)* | Annual Conference | Washington DC (Yinan Zhang presented)
- 2018 "Informal Water Service Providers: Water Access and Quality in Kibera Informal Settlement in Nairobi, Kenya" | Architecture Media Politics Society (AMPS) | Tucson AZ
- 2018 "Public-Private-Academic Partnership: Supporting Climate Planning Imperatives in Cities" | Architecture Research Centers Consortium (ARCC)+European Association for Architectural Education (EAAE) | Philadelphia PA
- 2018 "Creating Our Own Ladders to Climb: Architects Setting Sustainable Policy" | Architecture Research Centers Consortium (ARCC)+European Association for Architectural Education (EAAE) | Philadelphia PA
- 2018 "Tucson 2050 Plan" | Association of Collegiate Schools of Architecture (ACSA) Annual Conference | Denver CO
- 2017 "Informal Water Service Providers: Water Access and Quality in Kibera Informal Settlement in Nairobi, Kenya" | Association of Collegiate Schools of Planning (ACSP) | Annual Conference | Denver CO
- 2017 "A Resilient Future: District Energy in the Downtown Tucson 2050 Plan" | International District Energy Association (IDEA) | Annual Conference | Phoenix AZ
- 2017 "Tucson 2050 Vision: an academic, public, private partnership envisions a resilient urban future" | Association for Environmental Studies and Sciences (AESS) | Annual Conference | Tucson AZ
- 2017 "Designing a Carbon and Water Neutral Master Plan: Architects Affecting Policy" | Association for Environmental Studies and Sciences (AESS) | Annual Conference | Tucson AZ
- 2017 "Shades of Green: Modifying Sustainability Rating Systems for Transit Center Functionality" | Transportation Research Board (TRB) | Annual Conference | Washington DC
- 2016 "Achieving Net Zero Water in Severe Drought Prone Areas: A Case Study of Catchment, Storage, and Infiltration Optimization" | International Conference for Sustainable Design, Engineering, and Construction (ICSDEC) | Annual Conference | Phoenix AZ
- 2016 "Achieving Net Positive Water: Our Regenerative Future within Current Regulation" | Passive and Low Energy Architecture (PLEA) | International Annual Conference | Los Angeles CA
- 2016 "From Pedagogy to Practice: Solving for Net Zero Water in Arid Climates" | Society for Building Science Educators (SBSE) | Annual Conference | San Francisco CA
- 2016 "From Petals to Pedagogy: University of Arizona Sustainable Pedagogy" | International Living Futures Institute (ILFI) | Annual Conference | Seattle WA

PROFESSIONAL CONFERENCE PRESENTATIONS

- 2015 "People Oriented Cities: Smart Growth Through Sustainable Transport" | American Institute of Architects (AIA) Convention | Atlanta, GA
- 2015 "TRANSITION: Los Angeles Union Station and LEED ND" | GreenBuild International Conference | Washington DC
- 2015 "Achieving Net Zero Water in Drought Prone Areas" | Living Future International Conference | Seattle, WA

- 2015 “Achieving Net Zero Water in Severe Drought: Santa Monica’s New City Hall”
Municipal Green Building Conference | Los Angeles CA
- 2014 “Shanghai Theatre Academy: the new performance of energy and water” | Society for College and
University Planning Conference | Los Angeles CA
- 2014 “Los Angeles Union Station Master Plan Sustainability Framework” | AIA Committee on the
Environment | Los Angeles CA
- 2014 “Getting Los Angeles to Net Zero Energy and Water” | Municipal Green Building Conference | Los
Angeles CA

AWARDED GRANTS and CONTRACTS

NATIONAL FUNDING

- 2019 “Multiuse Basins for A Flooded Desert City: Dissemination and Implementation Funds” (\$2,000)
American Rivers | Green Stormwater Infrastructure Grant
PI Courtney Crosson (100%)
- 2018-2020 “Urban Transportation System Flood Vulnerability Assessment with Special Reference to Low
Income and Minority Neighborhoods” (\$20,000)
United States Department of Transportation | National Institute of Transportation and Communities
Cash and In-Kind Cost Share from City of Tucson Department of Water, Pima County Regional
Flood Control District, and Tucson Department of Transportation and Mobility
PI Courtney Crosson (100%)
Collaborator Daoqin Tong, ASU School of Geographical Sciences and Urban Planning
- 2007-2008 “Living Stipend for Construction of Women’s Institute of Secondary Education and Research”
(\$15,000)
Jessica Jennifer Cohen Foundation | Foundation Grant
PI Courtney Crosson (100%)
- 2005-2006 “Kibera Youth Photography Club: Literacy Through Photography” (\$5,000)
International Reading Association | Developing Countries Literacy Grant
PI Courtney Crosson (100%)

PUBLIC PARTNER FUNDING

- 2020 “Tucson Streets and Green Infrastructure: Palo Verde and Camino Miramonte Bicycle Boulevard”
(\$10,000)
City of Tucson Department of Transportation and Mobility | Contract
In-Kind Cost Share from Pima County Regional Flood Control District
PI Courtney Crosson (100%)
- 2019 “Multiuse Green Infrastructure Design” (\$10,000)
Pima County Regional Flood Control District | Contract
PI Courtney Crosson (100%)
- 2018-2021 “Intergovernmental Agreement with University of Arizona”
Pima County Flood Control District | Intergovernmental Agreement
PI Courtney Crosson (100%)
- 2018 “Multi-use Basin Study for Christmas Wash, Alamo Wash, and Ruthruff Basin” (\$5,000)
City of Tucson City Manager’s Office

PI Courtney Crosson (100%)
2018 “Multi-use Basin Study for Christmas Wash, Alamo Wash, and Ruthruff Basin” (\$5,000)
Pima County Regional Flood Control District
PI Courtney Crosson (100%)

PROFESSIONAL SPONSORSHIP FUNDING

2021 “Downtown Tucson 2050 Vision: food systems” (\$10,000)
GLHN Architects + Engineers | Contract
In-Kind Cost Share from Pima County Office of Sustainability and Conservation
PI Courtney Crosson (100%)

2019 “Downtown Tucson 2050 Vision: one water” (\$10,000)
GLHN Architects + Engineers | Contract
In-Kind Cost Share from City of Tucson Department of Water, Pima County Regional Flood Control District, and Pima County Wastewater and Reclamation
PI Courtney Crosson (100%)

2018 “Downtown Tucson 2050 Vision” (\$10,000)
GLHN Architects + Engineers | Contract
In-Kind Cost Share from Pima County Office of Sustainability and Conservation, Tucson Department of Planning and Development Services, Tucson Environmental and General Services Department, and Pima County Department of Transportation
PI Courtney Crosson (100%)

2017 “Downtown Tucson EcoDistrict” (\$10,000)
GLHN Architects + Engineers | Contract
PI Courtney Crosson (100%)

2014 “PROCHE Primary School Haiti” (\$16,000)
Buro Happold Engineering | Share Our Skills Grant
PI Courtney Crosson (100%)

UNIVERSITY FUNDING

2021 “Achieving Net Zero Urban Water in Ten of the Largest US Cities through Rainwater Harvesting” (\$1,200)
University of Arizona Office of Research, Innovation, and Impact | Building a Changing World Hackathon
PI Courtney Crosson (100%)

2020-2021 “The Capacity of Alternative Water Sources to Increase Urban Water System Resilience and Sustainability” (\$5,000)
University of Arizona Office of Research, Innovation and Impact | Seed Grant
Data Support from Tucson Water
PI Dominic Boccelli, UA Department of Civil and Architectural Engineering and Mechanics
Co-PI Courtney Crosson (30%)
Co-PI Kevin Lansey, UA Department of Civil and Architectural Engineering and Mechanics

2019-2021 “Retrofitting the Urban Environment Toward Net Zero Urban Water” (\$10,000)
University of Arizona Office of Research, Innovation and Impact | Building a Changing World Seed Grant
PI Courtney Crosson (60%)

- Co-PI Dominic Boccelli, UA Department of Civil and Architectural Engineering and Mechanics
 Co-PI Jennifer Duan, UA Department of Civil and Architectural Engineering and Mechanics
 Co-PI Kevin Lansey, UA Department of Civil and Architectural Engineering and Mechanics
 Co-PI Thomas Meixner, UA Department of Hydrology and Atmospheric Sciences
 Co-PI Christopher Scott, UA School of Geography Development and Environment, Udall Center
- 2017 “Rainwater as Historic Resource for Native Food Systems in Tucson’s Food Desert Communities” (\$10,000)
 University of Arizona Office of Research, Development, and Innovation | Faculty Seed Grant
PI Courtney Crosson (100%)
- 2017 “Rainwater as Potential Resource for Water Independence in Tucson’s Communities” (\$7,500)
 University of Arizona Economic and Business Research Center | Making Action Possible Grant
PI Courtney Crosson (90%)
 Co-PI Daoqin Tong, ASU School of Geographical Sciences and Urban Planning
 Data Support from Pima Association of Governments
- 2003-2004 “Multiplicity: An Artistic Collective Investigating European Space and Union” (\$5,000)
 Duke University Institute for the Arts | Benenson Award in the Arts
PI Courtney Crosson (100%)
- 2002-2004 “The Biology of AIDS: A Place Specific Textbook for Egerton University in Kenya” (\$20,000)
 Duke University Kenan Institute for Ethics | 3 Service Learning Grants
PI Courtney Crosson (100%)

SUBMITTED (UNFUNDED) GRANTS and CONTRACTS

- 2020 “Multimodal Mobility and Flooding: Increasing Equity and Reducing Impact through Networked Municipal Green Infrastructure to Prioritize Complete Green Streets” (\$150,000)
 United States Department of Transportation | National Institute of Transportation and Communities
PI Courtney Crosson (90%)
 Co-PI Daoqin Tong, ASU School of Geographical Sciences and Urban Planning
- 2019 “Planning Grant: Engineering Research Center for Water-Stressed Urban Environments (CWASE)” (\$100,000)
 National Science Foundation
 PI Jennifer Duan, UA Department of Civil and Architectural Engineering and Mechanics
Co-PI Courtney Crosson (15%)
 Co-PI Charles Gerba, UA Environmental Science, WEST Center
 Co-PI Thomas Meixner, UA Department of Hydrology and Atmospheric Sciences
 Co-PI Daniel Scheitrum, UA Department of Agricultural and Resource Economics
- 2019 “Workshop on Sustainable Water Infrastructure for Arid and Semi-Arid Cities” (\$50,000)
 National Science Foundation
 PI Jennifer Duan, UA Department of Civil and Architectural Engineering and Mechanics
Co-PI Courtney Crosson (10%)
 Co-PI Thomas Meixner, UA Department of Hydrology and Atmospheric Sciences
 Co-PI Hongki Jo, UA Department of Civil and Architectural Engineering and Mechanics
 Co-PI Avelina Saez, UA College of Public Health
 Co-PI Daniel Scheitrum, UA Department of Agricultural and Resource Economics
 Co-PI Xubin Zeng, UA Department of Hydrology and Atmospheric Sciences

- 2018 “Rainwater as a Rediscovered Resource for Arid Food Systems in Arizona’s Food Desert Communities” (\$48,336)
Foundation for Food and Agriculture Research
PI Courtney Crosson (90%)
Co-PI Daoqin Tong, ASU School of Geographical Sciences and Urban Planning
- 2018 “Mitigating Community Flooding through Environmental Education and Career Development: Designing and Implementing a Multi-Use Basin System for Optimal Impact” (\$100,000)
United States Environmental Protection Agency
PI Courtney Crosson (90%)
Co-PI Daoqin Tong, ASU School of Geographical Sciences and Urban Planning
- 2017 “Urban Passage: Functional Art Intervention that Enhances Border Town Livability by Transforming an Alley to Connect and Preserve People and Place” (\$71,969)
National Endowment for the Arts | Our Town Grant
PI Aaron Coleman, UA School of Art
Co-PI Courtney Crosson (25%)
Co-PI Kirk Dimond, UA School of Landscape Architecture and Planning
- 2016 “Effect of Flow On Water Quality in Premise Plumbing and Water Distribution Systems” (\$1,989,000)
United States Environmental Protection Agency
PI Dominic Gervasio, UA Chemical and Environmental Engineering
Co-PI Courtney Crosson (20%)
Co-PI Kevin Lansey, UA Department of Civil and Architectural Engineering and Mechanics
Co-PI Ian Pepper, UA Environmental Science, WEST Center
Co-PI Shane Snyder, UA Chemical and Environmental Engineering, WEST Center
- 2016 “The Hydroculture Collaborative – Water Innovation Challenge” (\$249, 971)
Arizona Community Foundation
PI Courtney Crosson (60%)
Co-PI Brian Farling, Jones Studio

LIST OF COLLABORATORS

ON GRANTS and PUBLICATIONS FROM LAST FIVE YEARS

Andrea Achilli (UA Chemical and Environmental Engineering, WEST Center),
Tamee Albrecht (UA School of Geography Development and Environment PhD student),
Sandra Bernal (UA College of Architecture Planning and Landscape Architecture),
Dominic Boccelli (UA Department of Civil and Architectural Engineering and Mechanics),
Tzahi Cath (Colorado School of Mines, Department of Civil and Environmental Engineering),
Aaron Coleman (UA School of Art),
Glen Daigger (University of Michigan, Department of Civil and Environmental Engineering),
Kirk Dimond (UA School of Landscape Architecture and Planning),
Jennifer Duan (UA Department of Civil and Architectural Engineering and Mechanics),
Brian Farling (Jones Studio),

Charles Gerba (UA Environmental Science, WEST Center),
Dominic Gervasio (UA Chemical and Environmental Engineering),
Hongki Jo (UA Department of Civil and Architectural Engineering and Mechanics),
Kevin Lansey (UA Department of Civil and Architectural Engineering and Mechanics),
Elizabeth Mack (Michigan State University, Department of Geography Environment and Spatial Sciences),
Thomas Meixner (UA Department of Hydrology and Atmospheric Sciences),
Kepha Ngito (Forum 41 Nairobi Kenya),
Mitch Pavao-Zuckerman (University of Maryland, College of Agriculture and Natural Resources),
Ian Pepper (UA Environmental Science, WEST Center),
Stephanie Pincetl (University of California Los Angeles, Institute of the Environment and Sustainability),
Avelina Saez (UA College of Public Health),
Daniel Scheitrum (UA Department of Agricultural and Resource Economics),
Christopher Scott (UA School of Geography Development and Environment, Udall Center),
Padmendra Shrestha[◦] (UA School of Geography Development and Environment PhD student),
Shane Snyder (UA Chemical and Environmental Engineering, Public Health, WEST Center),
Daoqin Tong (Arizona State University, School of Geographical Sciences and Urban Planning),
Yinan Zhang[◦] (UA School of Geography Development and Environment PhD student),
Qing Zhong (Nanjing University of Information Science and Technology),
Xubin Zeng (UA Hydrology and Atmospheric Sciences)
Adriana Zuniga-Teran (UA School of Planning and Landscape Architecture, Udall Center).

Studio Outreach Projects (2016-present): Work produced by University of Arizona fourth-year Bachelors of Architecture students, fifth-year Bachelors of Architecture students, and third-year Masters of Architecture students

[◦]=supervised student

SERVICE + OUTREACH

INTERNATIONAL and NATIONAL SERVICE

INTERNATIONAL and NATIONAL BOARDS

2019-2022 At-Large Director | Board of Directors | Association for Collegiate Schools of Architecture (ACSA) (elected)

INTERNATIONAL and NATIONAL COMMITTEES

2020-2021 Leadership Committee | Association for Collegiate Schools of Architecture (ACSA) (invited)

2020-2021 Planning Committee | Association for Collegiate Schools of Architecture (ACSA) (invited)

2019-2020 Executive Editor Search Committee | Journal of Architectural Education (JAE) (invited)

2019-2020 Nominations Committee | Association for Collegiate Schools of Architecture (ACSA) (invited)

- 2019-2022 Visiting Team Roster | National Architectural Accrediting Board (NAAB) (nominated)
- 2019 Participant | National Architecture Accreditation Review Forum | Chicago IL (invited)
- 2017 National Academy of Sciences | Transportation Review Board | Committee on Landscape and Environmental Design (volunteer)

INTERNATIONAL and NATIONAL DESIGN AWARD JURIES

- 2021 Collaborative Practice Award | Association for Collegiate Schools of Architecture (ACSA) National Education Awards (invited)
- 2020 Faculty Design Award | Association for Collegiate Schools of Architecture (ACSA) National Education Awards (invited)

JOURNAL REVIEWS

- 2021 Paper Reviewer | *Planning Theory* (invited)
- 2021 Paper Reviewer | *Landscape Journal* (invited)
- 2020 Paper Reviewer | *Technology Architecture + Design (TAD)* | Open Issue (invited)
- 2018 Paper Reviewer | *Technology Architecture + Design (TAD)* | Urbanizing Issue (invited)

CONFERENCE and WORKSHOP CONVENER and CHAIR

- 2020 “Net Zero Urban Water Workshop” | National Virtual Workshop
Chaired and organized three-day national workshop on Net Zero Urban Water with twenty academics and practitioners
- 2019 “Advances in Green Infrastructure Research, Development, and Community Adoption”
American Geophysics Union (AGU)
Co-Chaired oral session and poster session with Tom Meixner (UA, Hydrology and Atmospheric Sciences), Jennifer Duan (UA Civil and Architectural Engineering and Mechanics) and Mitch Pavao-Zuckerman (U Maryland Environmental Sciences) | San Francisco CA (peer-reviewed)

CONFERENCE ABSTRACTS and PAPER REVIEWS

- 2021 Abstract and Paper Review Committee | Annual Meeting | Association for Collegiate Schools of Architecture (ACSA) (invited)
- 2020 Abstract Review Committee | AIA/ACSA Intersections Conference | American Institute of Architecture and Association for Collegiate Schools of Architecture (ACSA) (invited)
- 2020 Abstract and Paper Review Committee | Annual Meeting | Association for Collegiate Schools of Architecture (ACSA) (invited)
- 2019 Abstract and Paper Review Committee | Annual Meeting | Association for Collegiate Schools of Architecture (ACSA) (invited)
- 2019 Abstract Review Committee | AIA/ACSA Intersections Conference | American Institute of Architecture and Association for Collegiate Schools of Architecture (ACSA) (invited)
- 2018 Scientific Review Committee | International Building Physics Conference (IBPC) (invited)
- 2018 Scientific Review Committee | Building Technology Educators Society (BTES) (invited)

- 2017 Scientific Review Committee | Passive Low Energy Architecture (PLEA) (invited)
- 2017 Scientific Review Committee | International Building Physics Conference (IBPC) (invited)
- 2016 Scientific Review Committee | Passive Low Energy Architecture (PLEA) (invited)

EXTERNAL DESIGN REVIEW JURIES

- 2021 Final Review Jury | M.Arch Thesis| University of Wisconsin - Milwaukee | Milwaukee WI | Virtual (invited by professor Mo Zell)
- 2020 Final Review Jury | Arc508 Research Studio | University of Washington | Seattle WA | Virtual (invited by professor Gundula Proksch)
- 2020 Midterm Review Jury | Arc508 Research Studio | University of Washington | Seattle WA | Virtual (invited by professor Gundula Proksch)
- 2017 Final Review Jury | Water Urbanism Studio | Graduate School in Architecture Planning and Preservation | Masters in Urban Design | Columbia University | New York City NY (invited by professor Kate Orff)
- 2017 Interim Reviewer | Masters in Architecture Program Studio | North Carolina State University | Raleigh NC | (invited by professor Dana Gulling)
- 2016 Final Review Jury | Peggy Deamer (visiting) Utopia Studio | California College of the Arts | San Francisco CA | (invited by professor Neeraj Bhatia)
- 2015 Final Review Jury | Advanced Design Studio | University of Southern California (USC) School of Architecture | Los Angeles CA | (invited by professor Douglas Noble)
- 2014 Interim Review Jury | Introduction to Sustainable Architecture and Community Planning | University of California Los Angeles (UCLA) Department of Urban Planning | Los Angeles CA | (invited by professor Ted Bardacke)
- 2014 Interim Review Jury | Advanced Design Studio | Woodbury School of Architecture | Los Angeles CA | (invited by professor Linda Taalman)
- 2011 Final Review Jury | Capstone Studio | University of Hong Kong | Hong Kong China | (invited by professor Manfred Yuen)

UNIVERSITY SERVICE

- 2017-present Executive Committee Member | Water, Society, and Policy (WSP) (invited)
- 2019-2020 Sustainability Working Group | University of Arizona Campus Master Plan (invited)
- 2019 University of Arizona Renewable Energy Advisory Committee (invited)
- 2019 Reviewer | Water Environmental and Energy Solutions (WEES) grants (invited)
- 2019 Reviewer | Accelerate for Success Grants | Research Discovery Innovation (invited)
- 2018 Reviewer | Faculty Seed Grant | Research Discovery Innovation (invited)
- 2018 Reviewer | Challenge Grant | Haury Program in Environmental and Social Justice | (volunteer)
- 2017 Reviewer | National Endowment for the Humanities Grant | Research Discovery Innovation (invited)
- 2017 Sustainability Expert | University of Arizona Student Success District Master Plan (invited)

COLLEGE SERVICE

CHAIR

- 2018 Co-Chair | Strategic Planning Task Force on Drachman Institute (invited)
- 2018 Co-Chair | Strategic Planning Task Force on Community and Partnerships (invited)
- 2017-2018 Co-Chair | Diversity and Inclusion Committee (appointed)

COMMITTEE MEMBER

- 2018-2019 Strategic Planning and Operations Advisory Committee (invited)

SCHOOL SERVICE

CHAIR

- 2018 Co-Chair | Sustainability Pedagogy Committee (appointed)

COMMITTEE MEMBER

- 2021-present Faculty Advisor For Master of Science in Architecture | Urban Design Concentration (invited)
- 2018-present Faculty Liaison | Building Technology Educators Society (BTES) (volunteered)
- 2019-present Faculty Councilor | Association for Collegiate Schools of Architecture (ACSA) (appointed)
- 2016-present Faculty Advisor | United States Green Building Council (USGBC) Student Group (appointed)
- 2016-present Architectural Engineering Degree Advisory Committee (invited)
- 2016-2020 Sustainability Pedagogy Committee (appointed)
- 2017 Urban Design Task Force (appointed)
- 2016-2018 Faculty Councilor | Association for Collegiate Schools of Architecture (ACSA) (appointed)
- 2016 Non Tenure Track Task Force (appointed)

COMMUNITY and PROFESSIONAL SERVICE

- 2019-2020 Advisory Committee | Pima County Las Milpitas Farm Triple Bottom Line Analysis | Research and Report
- 2018-present One Water Committee | Santa Cruz Watershed Forum | NGOs, City, County, and Pima Association of Governments staffs (volunteer)
- 2018-present Low-Impact Development Working Group | City, County, and Pima Association of Governments staffs (invited)
- 2013-2015 Associate Director | American Institute of Architects Los Angeles Board | Los Angeles CA
- 2014-2016 Co-Leader | Living Building Challenge Los Angeles Collaborative | Los Angeles CA
- 2010-2012 Committee on the Environment Member | American Institute of Architects Hong Kong | Hong Kong China

MEMBERSHIPS and AFFILIATIONS

NATIONAL

- 2018-present Household Water Insecurity Experiences (HWISE), Research Collaborative Network (RCN)
- 2017-present Building Technology Educators Society (BTES) | Member
- 2016-present Association for Collegiate Schools of Architecture (ACSA) | Member
- 2017-2019 Association for Collegiate Schools of Planning (ACSP) | Member
- 2016-2018 Society of Building Science Educators (SBSE) | Member

UNIVERSITY

- 2017-present Associate | Center for Climate Adaptation Science and Solutions (CCASS) (invited)
- 2017-present Assistant Professor | Global Change Graduate Interdisciplinary Degree Program (GIDP) (invited)
- 2016-present Affiliate | Arizona Institutes for Resilience, formerly the Institute for the Environment (volunteer)

PROFESSIONAL DEVELOPMENT

CONFERENCES

- 2017 Association for Collegiate Schools of Architecture | Annual meeting | participant | Detroit MI
- 2017 Building Technology Educators Society Conference | participant | Des Moines IA

RESEARCH WORKSHOPS

- 2021 Restruct Workshops I, II, and III | participant | University of Arizona | Tucson AZ
- 2019 Restruct Workshops | participant | University of Arizona | Tucson AZ
- 2016-2017 CAPLA Research Workshops | participant | University of Arizona | Tucson AZ

MENTORING PROGRAMS

- 2018-2019 New Faculty Mentorship Program | Faculty Affairs | University of Arizona | Tucson AZ
Attend monthly meetings with a cohort of junior faculty across campus as part of a mentorship group offered by the university
- 2016-present School of Architecture Mentoring Pairing | University of Arizona | Tucson AZ

TEACHING COMMUNITY LEARNING GROUPS

- 2020 Faculty Learning Community | Academic Affairs | University of Arizona | Tucson AZ
Participated in bi-weekly meeting with faculty in other colleges around campus to discuss teaching techniques, challenges, and assess each other's teaching
- 2017 Faculty Learning Community | Academic Affairs | University of Arizona | Tucson AZ
Participated in bi-weekly meeting with faculty in other colleges around campus to discuss teaching techniques, challenges, and assess each other's teaching
- 2016 Faculty Learning Community | Academic Affairs | University of Arizona | Tucson AZ

Participated in bi-weekly meeting with faculty in other colleges around campus to discuss teaching techniques, challenges, and assess each other's teaching

TEACHING WEBINARS and TRAININGS

- 2019-2021 Racial Equity Training | Five Modules | Association for Collegiate Schools of Architecture Board and Committees | Virtual
- 2021 The Last Frontier: Decolonizing Content and Promoting a Culture of Inclusion in Design Studios and More | Association for Collegiate Schools of Architecture | Virtual
- 2021 Mini Course on Assessment | Office of Instruction and Assessment | University of Arizona | Virtual
- 2021 Teaching Academy: New teacher training | College of Architecture, Planning, and Landscape Architecture | University of Arizona | Virtual
Participated in four sessions with seasoned and new faculty within the college on pedagogical discernment, tools and resources, policies, and strategies for engaging students
- 2021 Going Global: Humanizing Remote Classroom Design and Communication | Office of Instruction and Assessment | University of Arizona | Virtual
- 2021 Going Global: Flipped Learning in Online Classrooms | Office of Instruction and Assessment | University of Arizona | Virtual
- 2020 Design-Build and Community Engagement Online | Pivot to Online Learning Webinar | Association for Collegiate Schools of Architecture | Virtual
- 2020 Equity and Empathy in the Architecture Studio: What can we learn from virtual design studios during a pandemic? | Pivot to Online Learning Webinar | Association for Collegiate Schools of Architecture | Virtual

CO-TEACHING, GUEST TEACHING, and COURSE SHADOWING

- 2021 Critical Practices Colloquium | Teacher: Trumble, Co-teachers: Crosson, Engineer, Ida | Critical Practices P3 | School of Architecture | University of Arizona
- 2021 Urban Agency Colloquium | Teachers: Guerrero and Robinson, Co-teachers: Canovas, Crosson, Mackey, Weinstein | Urban Agency P3 | School of Architecture | University of Arizona
- 2021 Design Build Studio | Class Shadowing | Teacher: Hardin | University of Arizona
- 2021 Second Year Studio | Class Shadowing | Teacher: Kothke | University of Arizona
- 2021 Guest Teaching for: ARC597 Social and Behavioral Issues in Built Environments (Engineer), ENVS 454/554 Water Harvesting (Grant McCormick), ARCE (Robert Perkins)
- 2021 Reviews for: M.Arch Capstone (Interim Reviews), B.Arch Capstone (Interim Review), ARC302 (Interim Review), Friends of Planning (Planning Excellence Award Jury)
- 2020 Reviews for: M.Arch Capstone (Midterm and Final Reviews), ARC302 (Final Review), ARC 202 (Final Review)
- 2020 Guest Teaching for: ARC597 Social and Behavioral Issues in Built Environments (Engineer), RNR 595 Waster Society Policy Seminar (Garfin), GEOG696o Adaptation and Resilience Seminar (Scott)
- 2019 Reviews for: M.Arch II (Midterm and Final Reviews), B.Arch Capstone (Interim Review and Final Review), Architectural Engineering Capstone (Final Review), ARC401 (Technical Review)

- 2019 Guest Teaching for: PLN100 Sustainable Cities (Stoker), GEOG597 Sustainable Urban Development and Design (Bernal)
- 2018 Reviews for: M.Arch II (Midterm Reviews), B.Arch Capstone (Midterm Review), ARC401 (Technical Review)
- 2018 Guest Teaching for: Arc497k/597k Portfolio (Koosmann), PLN100 Sustainable Cities (Stoker), ARC597 Social and Behavioral Issues in Built Environments (Engineer), RNR 595 Waster Society Policy Seminar (Garfin)
- 2017 Reviews for: M.Arch II (Midterm Reviews), B.Arch Capstone (Interim Review and Final Review), ARC401 (Technical Review), 451b Solar River (Midterm Review), ARC510c (Midterm Review)