**CURRICULUM VITAE**

Posted: March 4, 2019

**CHRONOLOGY OF EDUCATION and PROFESSIONAL CREDENTIALS**

E D U C A T I O N

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*

2000-2004 **Duke University** | Durham NC

BA Art History, Thesis: *Multiplicity, an Artist Collective, Investigating European Space and Union with Stefano Boeri*

P R O F E S S I O N A L C R E D E N T I A L S

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 APPOINTMENTS**

2016-present **School of Architecture | University of Arizona |** Tucson AZ

Assistant Professor, tenure eligible

Additional Titles: Assistant Professor, Global Change Interdisciplinary PhD Program (2017-present)

2016 spring **School of Architecture | University of Arizona |** Tucson AZ

Assistant Professor of Practice

2015 fall  **School of Architecture | University of Arizona |** Tucson AZ

Adjunct Lecturer

**CHRONOLOGY OF PROFESSIONAL APPOINTMENTS**

2012-2016 **BuroHappold Engineering** | Los Angeles CA

Associate + Senior Sustainability Consultant

2010-2012 **Foster + Partners: Architectural Design + Engineering Firm** | Hong Kong China

Sustainability Consultant + Engineering Coordinator + Designer

2009 **MUF Architecture Art** | London UK

Project Manager + Designer

2007-2008 **Duke University Board of Trustees** | Muhuru Bay Kenya

Lead Designer + Project Manager

2004-2005 **United Nations Habitat |** Nairobi Kenya

Researcher

2003  **Multiplicity + Boeri Architects** | Milan Italy

Researcher

**HONORS + AWARDS**

I N T E R N A T I O N A L + N A T I O N A L A W A R D S

2018 **ACSA/AIA Practice + Leadership Award** (blind peer reviewed) | Association for Collegiate Schools of Architecture (ACSA) and American Institute of Architects (AIA)

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 Excellence

S T A T E + C O M M U N I T Y A W A R D S

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** | Arizona Forward | Environmental Excellence Awards |

Environmental Educator Excellence State Award (first place) (blind reviewed)

2017 **Common Ground Award | Finalist** | Metropolitan Pima Alliance

Recognizes outstanding collaboration in the community (blind reviewed)

2016 **AIA Pedagogy Award** | American Institute of Architects| Arizona State Chapter

Design Pedagogy State Award (blind peer reviewed)

**PUBLICATIONS**

I N V I T E D B O O K C H A P T E R C O N T R I B U T I O N S

2018 **Crosson, Courtney**. “Net Zero Water System Diagram” and “Design Procedure” in A. Kwok and W. Grondzik, *The* *Green Studio Handbook*. New York: Routledge, 2018. 263-265.

P E E R – R E V I E W E D A R T I C L E S

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.

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)

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.

2016 **Crosson, Courtney**. “Achieving Net Positive Water: Our Regenerative Future within Current Regulation.” *Passive and Low Energy Architecture*, conference proceedings.

P E E R – R E V I E W E D P O S T E R S

2018 **Crosson, Courtney**, D. Tong, Q. Zhong, Y. Zhang. “Rainwater as Potential Resource for Water Independence in Tucson’s Communities.” *American Association for Geographers (AAG).* Annual Conference: New Orleans, LA.

2018Tong, Daoqin, **Crosson, C.**, Q. Zhong, Y. Zhang. “Rainwater as Historic Resource for Native Food Systems in Tucson’s Food Desert Communities.” *INFORMS.* Annual Conference: Phoenix, AZ.

2018 **Crosson, Courtney**, D. Tong, Q. Zhong, Y. Zhang. “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.

P E E R – R E V I E W E D W H I T E P A P E R S

2019 **Crosson, Courtney**, D. Tong, Q. Zhong, Y. Zhang. “Rainwater as Potential Resource for Water Independence in Tucson’s Communities.” *Making Action Possible for Southern Arizona*. University of Arizona, 2019.

S E L F P U B L I C A T I O N O F S T U D I O W O R K

2018 “Monsoon: the game to built green infrastructure networks” | ARC451a: Option Studio | board game to be used to teach K-12 students and community members about green infrastructure

2018 “Tucson 2050 : A Vision for a Future Downtown” | ARC451a: Option Studio | 260 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

P U B L I C A T I O N S B Y O T H E R S A B O U T W O R K

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 Life Along the Street Car. “Tucson 2050 Vision: Interview with professor Courtney Crosson.” *Downtown Radio*. Two part interview that aired: 10 June 2018 and 17 June 2018.

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.

**WORK IN PROGRESS**

I N V I T E D B O O K C H A P T E R S (Under Review)

2019 **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, 2019. Revise and Resubmit.

P E E R – R E V I E W E D A R T I C L E S (Under Review)

2019 **Crosson, Courtney.** “Agency and Adaptation: The built environment of the Kibera Slum Upgrading Project.” *Planning Theory.* Revise and Resubmit.

2019 **Crosson, Courtney.** “Reducing Building Water Use Intensity (WUI): Tools for Practice and Academia.” *Proceedings of the Building Technology Educators Society Conference.* Revise and Resubmit.

**MEDIA**

E X H I B I T S

2018 “Downtown Tucson 2050 Vision” | Chicago Store | Tucson AZ (350+ attendees)

2017 “University of Arizona Roadmap to Carbon and Water Neutrality” | University of Arizona Downtown Storefront Windows | Tucson AZ

**SCHOLARLY PRESENTATIONS**

I N V I T E D K E Y N O T E P A N E L S

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

I N V I T E D S C H O L A R L Y P R E S E N T A T I O N S

2019 “Net Positive Water Design: Challenges and Opportunities” | National Science Foundation (NSF) Offices | Workshop on Water Data Innovations and Impacts | Washington DC (forthcoming)

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 (WRRC) | 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

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

I N V I T E D O U T R E A C H P R E S E N T A T I O N S

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

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

I N V I T E D W E B I N A R S

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

S C H O L A R L Y C O N F E R N C E P R E S E N T A T I O N S

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) (forthcoming)

2019 “Reducing Building Water Use Intensity (WUI): Tools for Practice and Academia” | Building Technology Educators Society (BTES) | National Conference | Amherst MA (forthcoming)

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

**AWARDED GRANTS + CONTRACTS**

2019“Downtown Tucson 2050 Vision: one water” | GLHN Architects + Engineers | Contract | **PI** ($10,000)

2018 “Urban Transportation System Flood Vulnerability Assessment with Special Reference to Low Income and Minority Neighborhoods” | Small Starts Grant | National Institute of Transportation and Communities (NITC) | **PI** ($20,000)

2018-2021 “Intergovernmental Agreement with University of Arizona” | Pima County Flood Control District | **PI**

2018 “Multi-use Basin Study for Christmas Wash, Alamo Wash, and Ruthruff Basin” | Pima County Regional Flood Control District | **PI** ($5,000)

2018 “Multi-use Basin Study for Christmas Wash, Alamo Wash, and Ruthruff Basin” | City of Tucson, City Manager’s Office | **PI** ($5,000)

2018 “Downtown Tucson 2050 Vision” | GLHN Architects + Engineers | Contract | **PI** ($10,000)

2017“Rainwater as Historic Resource for Native Food Systems in Tucson’s Food Desert Communities” | Faculty Seed Grant | UA Office of Research, Development, and Innovation| **PI** ($10,000)

2017 **“**Rainwater as Potential Resource for Water Independence in Tucson’s Communities” |

Making Action Possible (MAP) Grant | UA Economic and Business Research Center | **PI** ($7,500)

2017 “Downtown Tucson EcoDistrict” | GLHN Architects + Engineers | Contract | **PI** ($10,000)

**SERVICE + OUTREACH**

I N T E R N A T I O N A L + N A T I ON A L

BOARDS

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

JOURNAL REVIEWS

2018 Paper Reviewer | *Technology Architecture + Design (TAD)* | Urbanizing Issue (invited)

CONFERENCE ABSTRACTS + PAPER REVIEWS

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)

DESIGN STUDIO REVIEWS

2017 Final Review Jury | 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 | North Carolina State University | Raleigh NC | (invited by professor Dana Gulling)

2016 Final Review Jury | Peggy Deamer Utopia (visiting) Studio | California College of the Arts | San Francisco CA | (invited)

SERVICE COMMITTEES

2017 National Academy of Sciences | Transportation Review Board | Committee on Landscape and Environmental Design (volunteer)

L O C A L C O M M U N I T Y OUTREACH

2019-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)

2018 Santa Cruz Water Forum | Community Forum (invited)

U N I V ER S I T Y

2017-present Executive Committee Member | Water, Society, and Policy (WSP) (invited)

2017-present Associate | Center for Climate Adaptation Science and Solutions (CCASS) (invited)

2017-present Affiliate | Institute for the Environment (volunteer)

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)

C O L L E G E

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

2018 Co-Chair | Dean’s Strategic Planning Task Force on Drachman Institute (invited)

2018 Co-Chair | Dean’s Strategic Planning Task Force on Community and Partnerships (invited)

2017-2018 Co-Chair | Diversity and Inclusion Committee (appointed)

S C H O O L

2018-present Faulty Liaison | Building Technology Educators Society (BTES) (volunteered)

2016-present Co-Chair (2018-present) | Sustainability Pedagogy Committee (appointed)

2016-present Faculty Advisor | United States Green Building Council (USGBC) Student Group (appointed)

2016-present Architectural Engineering Degree Advisory Committee (invited)

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)

M E M B E R S H I P + P R O F E S S I O N A L A F F I L I A T I O N S

2017-present Association for Collegiate Schools of Planning (ACSP) | Member

2017-present Building Technology Educators Society (BTES) | Member

2016-present Association for Collegiate Schools of Architecture (ACSA) | Member

2016-2018 Society of Building Science Educators (SBSE) | Member

**RECOGNITION OF COLLABORATION ON GRANTS + PUBLICATIONS**

2019 Kepha Ngito, Executive Director, Forum 41, Nairobi Kenya

Publication: “Informal Water Service Providers: Water Access and Quality in Kibera Informal Settlement in Nairobi” (30%)

2017-present Dr. Daoqin Tong, Associate Professor, School of Geographical Sciences and Urban Planning, Arizona State University – was an Associate Professor at University of Arizona until Fall of 2017

Grant: Making Action Possible Grant (10%)

Grant: Small Starts Grant (10%)

Publication: “Rainwater as Potential Resource for Water Independence in Tucson’s Communities”(20%)

Publication: “Rainwater as Historic Resource for Native Food Systems in Tucson’s Food Desert Communities.” (40%)

2017-present Yinan Zhang, PhD Student, School of Geography, University of Arizona

Publication: “Rainwater as Potential Resource for Water Independence in Tucson’s Communities”(15%)

2017-present Qing Zhong, PhD Student, School of Geography, University of Arizona

Publication: “Rainwater as Potential Resource for Water Independence in Tucson’s Communities”(10%)

Publication: “Rainwater as Historic Resource for Native Food Systems in Tucson’s Food Desert Communities.” (30%)

2016-present Studio Outreach Projects: 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