

Philip M. Horton, Assoc. AIA

The Design School

Herberger Institute for Design and the Arts

Arizona State University

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Education

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| 2021-2022 | Stanford LEAD Executive Education Certificate, Stanford University, Graduate School of Business (GSB) |
| 2001-2003 | Master of Architecture, Arizona State University (ASU) |
| 1997-2001 | Bachelor of Science in Architectural Studies, Southern Illinois University at Carbondale (SIUC) |

Academic Roles

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| 2021-present | Co-Founder/Co-Director of the emerging ASU Center of Building Innovation (cobi) |
| 2021-present | Assistant Director for Strategic Initiatives, The Design School, Arizona State University |
| 2021-present | Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory, Arizona State University |
| 2020-2021 | Interim Director of The Design School, Arizona State University |
| 2018-2020 | Associate Director for External Relations, The Design School, Arizona State University |
| 2021-present | Clinical Associate Professor of Architecture, The Design School, Arizona State University |

- 2015-present Affiliate Faculty Member, Biomimicry Center, Arizona State University
- 2016-2020 Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University
- 2015-2020 Clinical Assistant Professor of Architecture, The Design School, Arizona State University
- 2012-present Honors Faculty, Barrett Honors College, Arizona State University
- 2017-2018 Assistant Director for Undergraduate Studies, The Design School, Arizona State University
- 2017-2018 Maxfield Memorial Thesis Respondent, School of Architecture, Miami University of Ohio
- 2014-2018 Head of Architecture Program, The Design School, Arizona State University
- 2014-2017 Assistant Director for Strategic Communications, The Design School, Arizona State University
- 2013-2015 Lecturer, The Design School, Arizona State University
- 2006-2013 Faculty Associate, The Design School, Arizona State University

Service (Abbreviated Selection)

- 2021- Area Coordinator for *ASU Global Academic Initiatives* (GAI) and *Cintana Alliance* partnership efforts, including accelerated Bachelors to Master's degree path development and 3+1 Bachelors Degree articulations with *Bilgi University* in Istanbul.
- 2021 Invited panelist for Ideation Session #1 with the University Design Institute (UDI) for the design and development of *Established Global Leaders in Higher Education* and *Emerging Global Leaders in Higher Education* leadership programs.

- 2021 Invited reviewer for the *Journal of Architectural Engineering*, manuscript #AEENG-1369, "Efficiency of Introducing Online Education Pedagogy in Basic Design Studio at the Time of Covid-19," Rawan T. Abu Alatta, Hind M. Momani, and Asma' M. Bataineh.
- 2021 Invited Guest Class Lead in *DSC 598: Principles of Collaboration* for Dr. William Heywood
- 2021-present HIDA International Travel Advisory Committee Delegate; with International Health, Safety & Security, ASU Global Education Office
- 2021-present Participation in all listening sessions and workshops with the *Design Futures Forum* partnership, sponsored through a grant led by Maria Rosario Jackson and Christina Park, organized and facilitated by Theresa Hyuna Hwang and Rajan Hoyle
- 2020-present Participation on the Restructuring and Outreach Committee of the *Design Justice Initiative (DJI)*
- 2020-present *Serving Specialized Needs of International Students* University-wide Planning Group, led by Senior Vice President Stefanie Lindquist, Vice President Kent Hopkins, Vice Provost Sukhwant Jhaj, and Associate Vice President Matthew López
- 2020-present *Reimagining Internships*, University-wide Planning Group, led by Vice Provost Sukhwant Jhaj, Executive Director Cindy Parnell, and Business Development Director Jonathan Relvas
- 2019-present Selection Committee, *Craig Saemisch Travel Prize* for newly licensed professional architects, Rio Salado Architecture Foundation
- 2018-present Faculty Liaison, ArchiPrix International; Students: Luis Medina, Zachary Bundy, Abel Clutter; Santiago, Chile
- 2018-present Committee Member, City of Tempe and Arizona State University, Joint Review Committee (JRC) for Mixed-Use/Educational (MUED) Development review and approvals
- 2015-present Internship Coordinator, Architecture Program, The Design School at Arizona State University

- 2015-present Advisory Board Member, American Institute of Architects (AIA), Phoenix Metro Chapter and AIA Arizona Component
- 2015-present Advisory Board Member, Rio Salado Architecture Foundation (RSAF)
- 2013-present Faculty Advisor, Alpha Rho Chi (APX), Satyros Chapter
- 2012-present Committee Member, Master of Architecture Admissions Committee, The Design School at Arizona State University
- 2020 Recruitment Exhibitor, *Education USA/Yocket Graduate Virtual Fair* for the students across the Indian subcontinent
- 2015-2019 Co-Faculty Advisor, American Institute of Architecture Students
- 2019 Recruitment Travel, Fall 2019 India College Visits: Mumbai, Ahmedabad, Vadodara, Hyderabad, Chennai, Vellore, Bengaluru, Delhi, Gurugram with the support of ASU Admissions Services and International Students Scholars Center (ISSC)
- 2019 Search Committee member, *Director Communications and Strategy* for the Herberger Institute for Design and the Arts (HIDA) at ASU
- 2019 Recruitment Exhibitor, National Organization of Minority Architects (NOMA) National Conference, Brooklyn, New York
- 2019 Recruitment Travel, Spring 2019 India Yield Trip: Delhi, Mumbai, Pune, Ahmedabad with the support of ASU Admissions Services and International Students Scholars Center (ISSC)
- 2015-2019 Recruitment Exhibitor, Architecture/Design College Fair, Boston Society of Architects, Boston, Massachusetts
- 2015-2019. Faculty Advisor, *Discipline* Architecture Journal student editing team
- 2015-2019 Recruitment Exhibitor, *Chicago Architecture + Design College Day*, Chicago, Illinois
- 2018 Search Committee member, *Associate Director of Academic Affairs* for The Design School at ASU

- 2018 Selection Committee, *The Rio Reimagined Ideas Competition*, American Institute of Architects (AIA), Arizona Component
- 2017-2018 Chair of Search Committee, *Architecture Program Head* at The Design School at ASU
- 2016-2018 Volunteer Competition Judge and Mentor, *Future Cities*, 7th and 8th Grade Student Competition, representing the Rio Salado Architecture Foundation (RSAF)
- 2015-2018 Committee Member, The Design School Technology Committee
- 2013-2017 Academic Liaison, Construction Specifications Institute (CSI), Phoenix Chapter
- 2015-2016 Co-Faculty Advisor, Design Build Institute of America (DBIA), ASU Chapter
- 2014 Recruitment Exhibitor, Association of Collegiate Schools of Architecture (ACSA) Virtual College Fair
- 2014 Project Coordinator, Clinton Global Initiative University (CGI U) Clinton Foundation, Day of Service volunteer effort

Research and Creative Activity (Abbreviated Selection)

- 2021-2022 *Embassy 2050: Innovation for Security, Resilience, and Sustainable Operations*; funded by the U.S. Department of State, Bureau of Overseas Building Operations (OBO), with A/E Contractor, Studio Ma; including ASU colleagues: Dave White, David Sailor, Mounir El Asmar, Brian Gerber, Melanie Gall, and Marc J. Neveu
- 2017-2022 [*Innovations in Precast Concrete*](#), with the Precast Concrete Institute (PCI) Foundation, TPAC Architectural and Structural Precast, \$100k+ sponsored studios and technology support courses

- 2017-2018 *Green Futures Exchange* curriculum, co-taught with colleagues at An-Najah National University (ANNU) in Nablus, Palestine, funded by [Steven's Initiative Grant, the Aspen Institute](#), with Dr. Harvey Bryan FAIA
- 2017-2018 *Rio Reimagined, the Future of Rio Salado* coordinated Research Assistants and Faculty to develop and deliver coursework and deliverables, with Wellington Reiter FAIA, Melissa McCann, and the University City Exchange (UCX)
- 2016-2017 *Waimea Nui Community Development Initiative*, co-developed grant with Native Hawaiian Homesteaders Association and the Global Institute of Sustainability (GIOS)
- 2016 *Provisional Uses of Unutilized Properties in Phoenix*; with GIOS, International Rescue Committee (IRC), The Nature Conservancy, and The Water Management Group
- 2014-2015 *Energy and Time of Use Savings of a Hybrid Cooling and Storage System*, with Arizona Public Service (APS) and Dr. Harvey Bryan FAIA
- 2014 *Affordable Lessons from SHADE: Solar Homes Adapting for Desert Equilibrium*, Training Presentation for the Low-Income Home Energy Assistance Program (LIHEAP) of the U.S. Department of Health and Human Services, with Dr. John Cribbs and Rahul Garkhail
- 2012-2014 [SHADE: Solar Homes Adapting for Desert Equilibrium](#), Solar Decathlon 2013, \$1.1M+ in design and construction of net-zero modular home for U.S. Department of Energy (DOE) and National Renewable Energy Lab (NREL), with Dr. Olga Lavrova (UNM), Dr. Matthew Fraser, Dr. Kristen Parrish, and other students and colleagues from Arizona State University and the University of New Mexico (UNM)
- 2013 *Team ASU-UNM DOE Solar Decathlon 2013 SHADE House: Combining Passive and Active Solar Designs with Architecture*, 42nd annual American Solar Energy Society (ASES) Conference and 38th annual Passive National Solar Conference

- 2009-2010 *SolarPorts: Electric Vehicle Charging Infrastructure*, with SolarScape Energy and Darren Petrucci
- 2009 *Bell Road Identity Project*, City of Phoenix Neighborhood Services and Bell Road Merchants Association, with Darren Petrucci and Brad Jones
- 2008-2009 *16th Street Neighborhood Fight Back Identity & Branding Project*, City of Phoenix Neighborhood Services and 16th Street Merchants Association, with Darren Petrucci
- 2008-2009 *Herberger Theater Addition*, Applied Research Collaborative, with Darren Petrucci and Dr. William Heywood
- 2007-2009 *Reaching Grid Parity using BP Solar Crystalline Silicon Technology*, Solar American Initiative Grant, with BP Solar, Dr. Harvey Bryan FAIA, and Darren Petrucci
- 2008 [*Academia Challenging Practice, NCARB Prize*](#), Applied Research Collaborative studio, with Darren Petrucci, Dr. William Heywood, and other academic and professional collaborators
- 2006-2007 *Scottsdale Cultural Mapping Project*, Scottsdale Public Art Program, with Darren Petrucci and Alfred Sanft
- 2005-2006 *Valley Metro Bus Rapid Transit Bus Stop Shading Project*, with TransSystems and Darren Petrucci
- 2005-2006 *Comfort Zones at Terminal 2 of Phoenix Sky Harbor International Airport*, with Tri-Core Engineering, Dr. Kamil Kaloush, and Darren Petrucci
- 2004 *7th Avenue Streetscape Project*, City of Phoenix Neighborhood Services and 7th Avenue Merchants Association (SAMA)

Invited Lectures, Juries, Interviews, Conference Presentations (Abbreviated)

- Fall 2021 Invited Guest Lecture in *ARC 111: Architecture of Architecture*, with Dr. Marc J. Neveu

- Spring 2021 Public Lecture, *Back to the Future: Passive and Active Solar Energy in the Built Environment*, Center for Research Innovation and Design (CRID)
Spring 2021 Webinar Series at the School of Architecture, Art, and Design (SAAD) of the American University in Dubai (AUD)
- Summer 2020 Public Lecture and Panel Discussion, *Designing The Future of Architecture & Design Careers*; with Manisha Phadke, Director of the School of Design at Narsee Monjee Institute of Management Studies (NMIMS); Dr. Satyaki Sarkar, Head of Architecture at Birla Institute of Technology (BIT) Mesra; and Suneet Mohindru, Founding Principal of Oracles Landscape Design, Planning & Conservation and Visiting Professor at the School of Planning and Architecture (SPA) Delhi
- Spring 2020 Invited Review Jury, Advanced IV Architecture Studio; Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP), completed remotely via web conference
- Spring 2020 Advisor and Interviewee for *The Evolution of Campus* a nationwide study by DLR Group in response to the COVID-19 global pandemic
- Spring 2020 Public Lecture, *Supporting Indian Students*, Arizona State University, with Holly Singh and Dr. Patrick Phelan
- Fall 2019 Public Lecture, *Preparing Your Architecture Portfolio*, Ansal University, Sushant School of Architecture, Gurugram, Haryana, India
- Fall 2019 Public Lecture, *Transformative Agency in Architecture*, MS Ramaiah Institute of Technology, School of Architecture, Bengaluru, Karnataka, India
- Fall 2019 Public Lecture, *Passive Solar Architecture*, Rashtreeya Vidyalaya College of Architecture (RVCA), Bengaluru, Karnataka, India
- Fall 2019 Public Lecture, *Transformative Agency in Architecture*, BMS School of Architecture, Bengaluru, Karnataka, India
- Fall 2019 Public Lecture, *Passive Solar Architecture*, Anna University, Chennai, Tamil Nadu, India

- Fall 2019 Public Lecture, *Transformative Agency in Architecture*, Bharath Institute of Higher Education and Research (BIHER) Department of Architecture, Chennai, Tamil Nadu, India
- Fall 2019 Public Lecture, *Passive Solar Architecture*, Sri Venkateswara College of Architecture, Hyderabad, Telangana, India
- Fall 2019 Public Lecture, *Transformative Agency in Architecture*, The Institute of Chartered Financial Analysts of India (ICFAI) University, Hyderabad, Telangana, India
- Fall 2019 Public Lecture, *Passive Solar Architecture*, Jawaharlal Nehru Architecture and Fine Arts University (JNAFAU), Hyderabad, Telangana, India
- Fall 2019 Public Lecture, *Preparing Your Architecture Portfolio*, Navrachana University in Vadodara (NUV), Gujarat, India
- Fall 2019 Public Lecture, *Passive Solar Architecture*, Sardar Vallabhai Patel Institute of Technology (SVIT) College of Architecture, Gujarat University, Anand, Gujarat, India
- Fall 2019 Public Lecture, *Transformative Agency in Architecture*, Rizvi College of Architecture, Mumbai, Maharashtra, India
- Spring 2019 Invited Review Jury, Advanced Architectural Studio II; School of Architecture, *North Carolina State University College of Design*, Raleigh, North Carolina
- Spring 2019 Public Lecture, *Transformative Agency in Architecture*, Nirma University, School of Architecture, Ahmedabad, Gujarat, India
- Fall 2018 Invited Review Jury, Architecture Studio III, *Taubman College of Architecture + Urban Planning*, University of Michigan; Ann Arbor, Michigan
- Summer 2018 [*Can School Architecture Protect Children?*](#) KJZZ public radio interview with Steve Goldstein

- Summer 2018 [*Adapting Learning Spaces for a Culture of Safety*](#) ASU Now interview with Suzanne Wilson, part of a series on *Investigating Gun Violence from Many Angles*
- Summer 2018 Public Lecture, *Design Innovations in Precast Concrete*, Precast Concrete Institute (PCI) Foundation Professors Seminar, Washington University in Saint Louis, Missouri
- Spring 2018 Public, Maxfield Memorial Lecture, *Transformative Agency in Architecture*, Department of Architecture + Interior Design, Miami University, Oxford, Ohio
- Fall 2017 Invited Review Jury, Advanced Design Studio, *Pratt Institute School of Architecture*, New York, New York
- Spring 2017 Invited Review Jury, Advanced Architecture Studio II, *Department of Architecture + Interior Design*, Miami University, Oxford, Ohio
- Spring 2015 Invited Review Jury, Architectural Design Studio II, *University of Southern California (USC) School of Architecture*, Los Angeles, California
- Spring 2010 Invited Review Juries, Bachelor of Architecture Thesis and *Patterned Fields of Memory*, Architecture Studio III, *Virginia Polytechnic Institute (VA Tech) School of Architecture + Design*
- Spring 2006 Conference Presentation, *User-Alterable Learning and Teaching Environments*, Modular Building Institute (MBI) World of Modular Expo, Indianapolis, Indiana
- Fall 2004 Conference Presentation, [*Appealing to the Masses or Serious Play with Blocks*](#), with Terry J. Surjan, *ACADIA Conference 2004*, University of Waterloo School of Architecture, Waterloo, Ontario, Canada

Teaching Experience (Abbreviated Selection)

- 2021-present ARC 194: *Architecture of Wakanda* (in development) with ASU Learning Enterprise and the Education Through Exploration (ETX) team

- 2021-present ADE 521: Advanced Architectural Studio, *The Expansion Game*, with Felipe Mesa, Elizabeth Mclean, Amit Upadhye, and Claudio Hapenciuc
- 2016-present ARP 584: *Professional Practice*, delivering required National Architectural Accrediting Board (NAAB) Realm D: Professional Practice content to all Master of Architecture and Master of Urban Design degree students at Arizona State University
- 2014-2020 ADE 522: Advanced Architectural Studio II, delivering required NAAB Realm C: Integrative Design content to Master of Architecture students at Arizona State University
- 2017-2019 *Barrett Summer Scholars Design Elective*, Summer high school program, with the Barrett Honors College and Educational Outreach and Student Services (EOSS)
- 2015-2019 ADE 592/APH 499: Individualized Instruction, *Discipline* Architecture Journal student editing team
- 2015-2019 *Design Primer*, Summer high school program, with various colleagues in The Design School
- Fall 2017 ADE 421: Architectural Studio III, *Green Futures Exchange* with Dr. Harvey Bryan, as well as Dr. Mutasim Baba and Dr. Sameh Monna from An-Najah National University (ANNU) in Nablus, Palestine
- Summer 2016 APH 300: *World Architecture History/Western Cultures* with Dr. K. Paul Zygas
- 2012-2015 ATE 242: Introduction to Building Systems, *Architectural Construction*
- Fall 2014 ATE 451: Building Systems I, *Passive Building Systems* with Dr. Omar Al-Hassawi
- Summer 2014 ALA 235: Introduction to Computer Modeling, *3D Modeling*
- Fall 2012 ADE 621: Advanced Architectural Studio III, *Global Engagement Studio*, Study Abroad to Madrid, Spain for *Solar Decathlon Europe*

- 2008-2012 ADE 622: Advanced Architectural Studio IV, *Applied Research Collaborative*, with Dr. William Heywood and Darren Petrucci
- 2004-2008 Studio Teaching under the coordination of full-time faculty and other teaching responsibilities, including: ADE 120, ALA 221/222, ADE 321/322, ADE 422, ADE 498, ADE 511, ADE 593, ATE 590, and MUD 522

Thesis Chair | Independent Research or Project Advising

- Spring 2021 Thesis Chair, Slade Sheaffer, Master of Architecture
- Spring 2021 Thesis Chair, Shristi Ojha, Master of Architecture
- Spring 2021 Thesis Chair, Siddhartha Verma, Master of Architecture
- Spring 2020 Thesis Chair, Nathan Hays, Master of Science in Biomimicry + Master of Architecture
- Spring 2020 Thesis Chair, Niti Patadia, Master of Science in Construction Management + Master of Architecture
- Spring 2020 Thesis Chair, Dalal Altassan, Master of Interior Architecture + Master of Architecture
- Spring 2020 Thesis Chair, Oishwarya Sarkar, Master of Architecture
- Spring 2019 Independent Research Advisor, Anthony Svelto, Master of Science in the Built Environment + Master of Architecture
- Spring 2017 Independent Research Advisor, Sara Deghani, Master of Science in the Built Environment + Master of Architecture
- Fall 2016 Applied Project Advisor, Eduardo Robles, Master of Architecture
- Spring 2016 Independent Research Advisor, Jacob Wilhelm, Bachelor of Science in Design, Architectural Studies
- Spring 2016 Thesis Chair, Chandler Willie, Master of Architecture

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| Spring 2015 | Thesis Chair, Angela Lufkin, Barrett Honors Thesis |
| Fall 2013 | Design/Build Research Advisor, <i>Solar Decathlon</i> Team |
| Spring 2013 | Independent Research Advisor, John Cribbs, Master of Architecture |
| Spring 2013 | Thesis Chair, Paul Giordano, Barrett Honors Thesis |
| Fall 2012 | Independent Research Advisor, Annie Ruehl, Master of Science in the Built Environment |
| Summer 2012 | Design/Build Research Advisor, <i>X-Square Competition</i> Team |
| Spring 2012 | Thesis Chair, Kyle Barrett, Barrett Honors Thesis |

Design/Build Student Project Awards

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| 2014 | American Society of Landscape Architects, Arizona Chapter 2014 Student Excellence Award , “The Landscape Strategy of SHADE” for the Solar Decathlon house, Ali Abbaszadegan (Bachelor of Science Landscape Architecture, Master of Architecture) |
| 2013-2014 | <i>X-Scape</i> Design/Build Project, Faculty Advisor to students Aaron Choi (BSD Architectural Studies), Brett Berger (BS Landscape Architecture), Christine Phu (BA Fiber Arts), Diego Velasquez (BS Landscape Architecture), and Kimberly Stevenson (BA Music Education) Architizer A+ Awards, Student Design/Build Popular Winner American Society of Landscape Architects National Students Award Azure Magazine, AZ Awards Finalist, A+ Student Work |

Professional Memberships

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| 2020-present | Member, National Organization of Minority Architects (NOMA), Arizona Chapter |
| 2014-present | Member, Association of Collegiate Schools of Architecture (ACSA), Arizona State University |

2004-present Associate AIA Member (#38472114), American Institute of Architects, Arizona Component

Professional Practice Experience (Abbreviated Selection)

2004-2014 Architecture-Infrastructure-Research (A-I-R), led by Darren Petrucci, Scottsdale, Arizona

2011-2014 *Ghost Wash House*, Paradise Valley, Arizona
[American Institute of Architects \(AIA\) National Housing Award](#)
[ARCHITECT Magazine](#)
[ArchDaily](#)
[Dezeen](#)

2011-2014 *Diapause House*, Portal, Arizona

2009 *Live/Work/Sleep/Dream Machine*, DesignBoom, Santa Monica, California

2008 *Cool Ground*, Scottsdale Museum of Contemporary Art (SMOCA), Scottsdale, Arizona

2007-2008 *B-Side, Flip-a-Strip National Competition* (jury selected finalist)

2006-2008 *VH R-10 gHouse*, Martha's Vineyard, Massachusetts

2004-2006 *User-Alterable Learning and Teaching Environments*

2003-2004 e[CV] Opera Publica, led by Claudio Vekstein, Tempe, Arizona

2003-2004 *Experimental Glass House in the Desert*, Phoenix, Arizona

1998-2002 RGB Architectural Group, led by Robert Bohlman, Kankakee, Illinois

2000-2002 *Intergenerational Care Center*, Provena Medical Services, Kankakee, Illinois

- 2001 *Weber Center*, Olivet Nazarene University, Bourbonnais, Illinois

- 2001 *Toltec Steel Services* Manufacturing Facility and Offices, Kankakee, Illinois

- 1999-2000 *Reed Hall of Science Addition*, Olivet Nazarene University, Bourbonnais, Illinois

- 1998-1999 *Saint Mark's Lutheran Church Addition*, Kankakee, Illinois

Personal Student Honors

- 2003 Commencement Honors, Arizona State University

- 2001-2003 Studio projects selected for Arizona State University archives and accreditation reviews

- 2000 Selected by faculty for urban design research committee at Southern Illinois University at Carbondale; invited to Yale University annual urban design symposium

- 1997-2001 Studio projects selected for Southern Illinois University archives and accreditation reviews

Personal Student Activities

- 2003 Finalist, *Learning the Hard Way*, ArchVoices National Essay Competition

- 2001-2003 Member, American Institute of Architectural Students (AIAS), Arizona State University

- 2002 Honorable Mention, *Spontaneous Accumulation*, Pentagon Memorial Competition

- 2001 Teaching Assistant, *Le Petit Grand Tour D'Architecture V* Study Abroad, with Dr. Jon Davey, Southern Illinois University at Carbondale

- 2000 Student Committee Representative, *Next Cities: Urban Design Symposium* at Yale University
- 1999-2001 Member, Construction Specifications Institute (CSI), Saint Louis Missouri Chapter