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EDUCATION

Doctor of Philosophy in Design, Environment and the Arts, (August 2020)

Arizona State University, Tempe, USA

Dissertation: Investigating the Impact of Psychological Factors on Thermal Perception and Walking Experience

Committee: Renata Hejduk (Chair), Chingwen Cheng, Paul Coseo, Eric Margolis

Master of Science in Architectural Engineering – Architectural Design (July 2014) DPIHE, Esfahan, Iran

Bachelor of Science in Architectural Engineering (September 2012)

Azad University of Khorasgan, Esfahan, Iran

ACADEMIC APPOINTMENTS

Assistant Professor, Building Construction Science Program, Mississippi State University, 2020-

BCS 2116: Building Construction Science Studio 1 (Fall 2020)

Along with two faculty members from the Building Construction Science (BCS) Program and three faculty members from the School of Architecture, we work collaboratively with a group of +100 second year students to develop multiple design and construction projects. Our goal is to arm the BCS students with tools and techniques in estimating, scheduling and strategic thinking while providing and understanding of the design process in any given architecture and construction project.

Visiting Assistant Professor, School of Architecture, Mississippi State University, 2019-2020

ARC 4546: Design 4B | Comprehensive Studio (Spring 2020)

Along with two faculty members, we worked with the fourth-year students (in three sections taught by three instructors) to develop a comprehensive design proposal for a house of worship in Hernando, Mississippi. The project entailed a conceptual design, design development, and virtual representation. The studio was partially funded by Mississippi Forestry Association (MFA) focused on integrating Cross Laminated Timber (CLT). Three of the six nominees for the MFA award was chosen from my studio, and the winner was one of my top students.

ARC 3723/BCS 3723: Active Building Systems (Spring 2020)

With an enrolment of 45 students from Architecture and Building Construction Science, I taught Active Building Systems in an integrative collaborative fashion, where students were highly involved in discussion followed by my lectures. In the first few weeks, I ensured students have a solid understanding of systems thinking and passive systems and then proceeded to discussions of HVAC, lighting, plumbing, environmental system analysis and simulation. I also covered basics of Sefaira, a plugin used for analyzing the energy use and daylighting and had students complete an assignment using the software.

ARC 2536: Design 2A | Second Year Collaborative Studio (Fall 2019)

Along with two faculty members from the School of Architecture and two faculty members from the Building Science Construction program, we taught a group of 80 students in the second-year collaborative studio. In the first part of the semester, we worked on a design-build project, where students from both disciplines collaborated to design and build benches for the client (MSU Athletics department). In the second part of the semester, we co-taught a group of 45 students in the Architecture program and covered principles of spatial organization and program in order to design an art gallery.

ARC 1013: Architecture Appreciation (Fall 2019)

With an enrolment of +180 students, I taught Architecture Appreciation as an elective to all disciplines across the university. In the first part of the semester, I taught principles and fundamentals of architecture along with important consideration in design including climate, structure, material, and construction methods. In the second part of the semester, I covered a brief survey of history and theory of architecture from the Neolithic architecture up to Post-Modernism focusing on principles introduced in the first part of the class.

Faculty Associate, The Design School, Arizona State University, 2018.

ALA 100: Introduction to Environmental Design-Hybrid (Fall 2018)

With an enrolment of +450 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. Class comprises of a combination of my lectures as well as guest speakers parallel to the online videos provided for students to develop their knowledge and prepare them for their collaborative design challenges. An exhibition of their projects is held to showcase their work to the community later on. Also, I have 4 honors students working who work with me on their honors enrichment projects.

ALA 100: Introduction to Environmental Design-Online (Fall 2018)

With an enrolment of +350 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA 100: Introduction to Environmental Design-Online (Summer 2018)

With an enrolment of +60 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

Instructor, The Design School, Arizona State University, 2016-2018.

ALA 100: Introduction to Environmental Design-Online (Spring 2018)

With an enrolment of +250 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA121/INT120: Design Fundamentals 1 (Fall 2017)

I teach two sections of our Freshmen Architecture/Landscape Architecture/Interior Design/Environmental Design Studio along with other faculty members. I taught the Studio two days in a week where we discussed fundamentals of design composition, architectural drafting, and model making. I have had desk critiques and one on one sessions during the studio time as well as general lectures for larger groups of our students.

ALA 100: Introduction to Environmental Design-Online (Summer 2017)

With an enrolment of +40 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA 100: Introduction to Environmental Design-Online (Spring 2017)

With an enrolment of +350 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA 100: Introduction to Environmental Design-Hybrid (Fall 2016)

With an enrolment of +400 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA 100: Introduction to Environmental Design-Online (Fall 2016)

With an enrolment of +350 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

ALA 100: Introduction to Environmental Design-Online (Summer 2016)

With an enrolment of +40 students, I teach ALA 100 in a collaborative system where students are required to work in groups for their design projects. The class material is online, and I meet with students and groups when necessary.

Teaching Assistant, The Design School, Arizona State University, 2014-Present.

ALA 100: Introduction to Environmental Design-Hybrid/Online (Fall 2017)

My duties are (but not limited) to reviewing and grading weekly assignments, corresponding with students to clarify the purpose and requirements of the assignments. Also, I oversee student groups' online discussion posts, grade, and comment on their ideas and responses.

DSC 598: Design Sustainability (Spring 2017)

My duties were (but not limited) to reviewing and grading final term papers based on the rubric provided, corresponding with students to clarify the purpose and requirements of the assignments.

ALA 100: Introduction to Environmental Design-Online (Spring 2016)

Duties were similar to ALA 100 in Fall 2017.

APH 515: Current Issues and Topics (Fall 2015)

My duties were (but not limited) to reviewing and responding to students' online journals and identify the weaknesses, participating in critical discussions with students, encouraging the students to write intellectually. Grading the final portion of critical writing assignments was my responsibility.

DSC 100: ASU Design Experience (Fall 2015)

My duties were (but not limited) to encourage students to actively participate during the class time. Organizing guest speakers, creating assignments during class time, evaluating class attendance, grading the assignments and corresponding with students regarding their inquiries were other responsibilities.

APH 505: Foundation Theory Seminar (Spring 2015)

My duties were similar to APH 515 in fall 2015 as this course is the first series of theory classes created for Master of Architecture, Interior Architecture and Urban Design and a requirement for APH 515.

APH 421: First Concepts (Spring 2015)

My duties were (but not limited) to reviewing and responding to students' online journals and identify the weaknesses, participating in critical discussions with students, encouraging the students to write intellectually. Working on grading rubrics, revising and developing new rubrics were some tasks for this course. I have also joined the jury committee for different projects. Grading the final portion of critical writing assignments was my responsibility.

ANP 394: Digital Fabrication and Modeling (Spring 2015)

My duties were (but not limited) to teaching one session in a week and co-teach the other session. Teaching consisted of short lectures and walking around the students in the studio to talk and resolve their questions in modeling processes. Reviewing, responding and grading the online submission were some responsibilities of this assignment. Organizing with fabrication lab to give Demos to students and join the jury committee for the final and mid-term reviews for grading were also parts of this course tasks.

APH 515: Current Issues and Topics (Fall 2014)

Duties were similar to APH 515 in fall 2015.

APH 421: First Concepts (Fall 2014)

Duties were similar to APH 421 in spring 2015.

PROFESSIONAL EXPERIENCE

Partner in Design, Koosh Architecture Consultants, 2012-2013.

Through a collaborative effort primarily focused on competitions along with a number of professional projects, I worked as a partner in design, starting from concept design, developing the idea and preparing technical drawings for final presentation for the competition. This collaboration resulted in several nominations, which are listed under the awards section.

Partner in Design, O.M.P.S. 2010-2014.

I started as an architectural intern primarily working on drawings and basic schematic design in this firm. As a relatively small firm, which operated locally on construction projects, I had the opportunity to take part on-site and actively work with the construction team. After my promotion, I worked as the partner in design and worked individually on two projects, starting from concept design, client negotiation, city, and logistics discussion, economic evaluation and finally construction and supervising both of the projects.

RESEARCH INTERESTS

Building Technologies
Active and Passive Building Systems
Environmental Performance Analysis

Environmental Psychology
Resilience Theory
Ecological Design and Co-Design

RESEARCH EXPERIENCE

Research Assistant, Co PI, The Design School, Arizona State University, 2018-2020.

APS Endowment Grant for Sustainable Design Research; “Outdoor Thermal Comfort: Assessing the Impact of Perceptual Factors in the Experience of Heat” Principal Investigator Assistant Professor Chingwen Cheng and Paul Coseo (Approved June 2018)

This grant is essentially supporting my dissertation work.

Research Assistant, The Design School, Arizona State University, 2016.

APS Endowment Grant for Sustainable Design Research; Resilient Design. Principal Investigator Assistant Professor Chingwen Cheng (Spring 2016)

I was responsible for literature review in resilience and qualitative data analysis. We looked at planners and stakeholders' perception of issues of climate change and extreme weather. I was also responsible for developing a questionnaire for interview and surveys from the stakeholders.

CONFERENCE PRESENTATIONS

“Outdoor Thermal Comfort: Assessing the Impact of Psychological Adaptation Factors in the Experience of Heat” Presented at Environmental Design Research Association (EDRA) 51, Tempe, Arizona, USA. (2020)

“Design for Outdoor Thermal Comfort: Assessing the Perceptual Factors in the Experience of Heat in the Built Environment” Presented at Environmental Design Research Association (EDRA) 50, Brooklyn, New York, USA. (2019)

“Outdoor Thermal Comfort: Exploring the Impact of Perceptual Factors in the Perception of Heat” Presented at Environmental Design Research Association (EDRA) 49, Oklahoma City, Oklahoma, USA. (2018)

"Investigating the Impact of Urban Heat on Pedestrian Behavioral Patterns at a Neighborhood Scale (the Case of Escalante, Tempe)" Presented at the Arts, Humanities, Social Sciences & Education Conference, Hawaii University International Conferences, Hawaii, USA (2017)

Cheng, C. & Garshasby, M. (2016). Resilient Greenway: A Participatory Planning Framework. 5th Fábos Conference on Landscape and Greenway Planning. June 30-July 3, Budapest, Hungary.

"Investigating the Concepts of Affordances, Behavior Setting, Agency, and Invitation within the Human-Environment Relationship" Presented at the Seventh International Conference on Urban and ExtraUrban Studies, University of Pennsylvania, USA (2016)

"Investigating Affordances within Semi-Fixed Elements in Contemporary Housing Design." Presented at the Sixth International Conference on Urban and ExtraUrban Studies, University Center Chicago, Chicago, USA (2015)

Poster Presentation

Garshasby, M., Cheng, C., & Coseo, P. Thermal Comfort in Outdoor Environment: Assessing the Impact of Psychological Adaptation Factors in the Experience of Heat. Urban Climate Research Center Posters Competition, March 27, Arizona State University, Tempe, Arizona. (2019).

Invited reviews

Jury, Final reviews, Fourth Year Landscape Architecture Studio
The Design School, Arizona State University, Dec 2019

Jury, Final reviews, Third year Architecture Studio
School of Architecture, University of Arizona, Dec 2018

Jury, Final reviews, Second Year Master of Architecture Studio | Fourth Year Architecture Studio
The Design School, Arizona State University, Dec 2018

Graduate student projects

"The Impact of Area and Location of Residential Open Spaces on Social Behaviors within the Household" Approved for commencing the research project, DPIHE (2013)

Co-authored with Mohsen Kafaei, "Restating the Islam Theoretical Fundamentals regarding Namaz to Present a New Rewording of Designing Mosque" 7th Farabi international award, Document published in Farsi (2013)

Co-authored with Mohsen Kafaei, "Designing a Mosque Through Rewording Islam Theoretical Fundamentals regarding Namaz" 15th Khwarizmi International young award, Published in Farsi (2013)

Co-authored with Ali Garshasby, "Organizing the Standards of Design and Evaluation of Sustainable Architecture in Hypermarkets and Malls" Funded by Etkā Elite Center and published in Farsi. (2013)

PROFESSIONAL DEVELOPMENT

Preparing Future Faculty Seminar, Arizona State University, 2015-2016.

The Domes: Parametric Geometrics and Spatiality Workshop, presented by Patrick Schumacher, Donald Bates, Greg Lynn and Bahram Shirdel, held by Esfahan Architects Association (2011)

Goodbye to Tectonics, Hello to Composite by Greg Lynn, held by Esfahan Architects Association (2011)

Parametricism by Patrick Schumacher, held by Esfahan Architects Association (2011)

GRANTS

2019	Travel Grant, the Design School, Arizona State University
2019	Enrichment Grant, Herberger Institute, Arizona State University
2019	Travel Grant, GPSA, Arizona State University
2018	APS Endowment for Sustainable Design Research Grant
2018	Travel Grant, the Design School, Arizona State University
2018	Enrichment Grant, Herberger Institute, Arizona State University
2018	Travel Grant, GPSA, Arizona State University
2017	Anthony C Juratovac Memorial Scholarship, Arizona State University
2017	Travel Grant, the Design School, Arizona State University
2016	University Graduate Fellowship, Arizona State University
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2015	Travel Grant, the Design School, Arizona State University
2015	University Graduate Fellowship, Arizona State University
2014	University Graduate Fellowship, Arizona State University

HONORS AND AWARDS

Honorary Mention (Top 10 finalists), Paris Pavilion Competition in collaboration with Mohsen Kafaei and Masih Fazileh. Held by Archasm (2016)

Nominated Project, Pooladshahr Office/Commercial Building Proposal in collaboration with Farid Ahmadi, Held by Iran Housing Foundation, (2013)

First Prize, Sepahanshahr Mosque Proposal (Urban Based) in collaboration with Farid Ahmadi, held by Sepahanshahr Housing Foundation, (2013)

Third Prize, 7th Mirmiran prize; Concept design, Architecture of the Future in collaboration with Mohsen Kafaei, held by Mirmiran foundation, (2013)

Shortlisted Project, 6th Mirmiran prize; Concept design, Architecture, and Wind in collaboration with Mohsen Kafaee, held by Mirmiran foundation, (2012)

Nominated Project, the Tomb of Dr. Heshmat with an Approach to Revitalize the Urban Square in the Heart of the Rasht City in collaboration with Mohsen Kafaee, held by the Association of cultural heritage, (2012)

Nominated Project, the Rural House (group project), held by Iran Ministry of Housing and Urbanism; (2011)

First Prize, Recreational Residence in a Mountain Site (group project), held by Iran Association of Architecture, (2010)

SERVICE IN FACULTY CAPACITY

Committee Member, Lecture and Gallery + Exhibit, School of Architecture, Mississippi State University. (2019-2020)

Faculty Advisor, BARNworks [17 | 18 + 18 | 19] Editions, School of Architecture, Mississippi State University. (2019-2020)

SERVICE IN GRADUATE STUDENT CAPACITY

Reviewer, Travel and Research Grant, Graduate and Professional Students Association at Arizona States University. (2017-2019)

Vice President of Professional Development, Graduate and Professional Students Association at Arizona States University. (2016-2017)

Committee Member, Professional Development, Graduate and Professional Students Association at Arizona States University. (2016)

Committee Member, External Affairs & International Students Concerns, Graduate and Professional Students Association at Arizona States University. (2015-2016)

Representative, Herberger Institute of Design and the Arts, Graduate and Professional Students Association at Arizona States University. (2015-2016)

Vice President, Iranian Student Association at Arizona State University. (2015-present)

PROFESSIONAL MEMBERSHIPS

EDRA Environmental Design Research Association (since 2017)

NAGPS National Association of Graduate and Professional Students (since 2016)

CGU Common Ground Knowledge Community (since 2015)

YAMF Young Architects' Group of Mirimiran Foundation (since 2011)

YRC Young Researchers Community (since 2011)

NHECS Nations House and Esfahan Center for Research (since 2010)

AMHE Art and Mathematics House of Esfahan (since 2009)

PROFESSIONAL SKILLS

Architectural Rhino, Grasshopper, AutoCAD, 3D Studio Max, V-Ray, Revit, Sketch-up

Graphical Adobe Photoshop, Adobe Illustrator, Adobe InDesign

Fabrication Model making, Laser cutting, CNC milling, 3D printing

Building Performance eQuest, ECOTECT

Urban Thermal Simulation ENVI-Met, Rayman

Data Analysis SPSS, NVivo

Coding R, Python

Data Management GitHub, GitKraken