

HELIA TAHERI

CURRICULUM VITAE

CONTACT INFO

Phone (+1) 984 218 9854
E-mail htaheri@ncsu.edu

EDUCATION

PhD Student	Design/ Architecture and Environmental Design (College of Design, North Carolina State University, US) <ul style="list-style-type: none">• <i>Research Area: Improving the Impact of Energy-Related Occupant Behaviors with Windows on Occupant Satisfaction and Energy Efficiency in Multifamily Residential Buildings.</i>• <i>Advisor: Dr. Traci Rider</i> <i>GPA: 4.00/4.00</i>	2017-Present
Master	Architecture and Energy (Faculty of Architecture, School of Fine Arts, University of Tehran, Tehran, Iran) <ul style="list-style-type: none">• <i>Final Thesis: Designing a Transparent Wall with Energy Storage Capability. (Financially Supported by Iranian Fuel Conservation Company (IFCO))</i>• <i>Supervisor: Dr. Mohammad Djavad Saghafi</i>• <i>Advisor: Dr. Behrouz Kari</i>• <i>Grade: 19 out of 20 (Excellent Grade)</i> <i>GPA: 4.00/4.00 (18 out of 20)</i>	2010-2013
Bachelor	Architectural Engineering (Faculty of Architecture, School of Fine Arts, University of Tehran, Tehran, Iran) <ul style="list-style-type: none">• <i>Final Thesis: Designing a Cultural Complex for Artists in Kerman, Iran.</i>• <i>Supervisor: Dr. Hamid Reza Ansari</i>• <i>Grade: 18.25 out of 20 (Excellent Grade)</i> <i>GPA: 4.00/4.00 (17.80 out of 20)</i>	2005-2010
High School	Farzanegan NODET (National Organization for Development of Exceptional Talents), Kerman, Iran. <ul style="list-style-type: none">• <i>Mathematics and Physics Diploma</i> <i>GPA: 4.00/4.00 (19.63 out of 20)</i>	2000-2005

SCHOLARSHIPS AND AWARDS

- Selected for Provost Fellowship Award, NCSU, US	2017-2018
- Excellent Grade for Master's Thesis, University of Tehran, Iran.	2013
- Selected for Full Financial Support of Master Thesis, Iranian Fuel Conservation Company (IFCO), Iran	2012
- Ranked as a top student (7 th student among 120 students in Bachelor of Architectural Engineering) with exemption from national master entrance exam for studying Master, University of Tehran, Iran.	2010

- First place award in Shuster Architectural Competition, Shuster, Khuzestan, Iran. 2010
- Selected for tuition waiver for Master of Architecture and Energy, University of Tehran, Iran. 2010
- Selected for tuition waiver for Bachelor of Architectural Engineering, University of Tehran, Iran. 2005
- Ranked as the 354th student in the entrance exam for Bachelor's Degree in Iran among approximately 500,000 competitors. 2005

PROFESSIONAL COURSES AND CERTIFICATES

- Human-Centered Design Toolkit (Online Course)** 2018-Present
 - *Held by IDEO and Acumen, US*
- Communication and Teaching Strategies and Beyond Course (For NCSU Teaching Certificate)** 2018-Present
 - *Held by The Graduate School, Development Series, NCSU, US*
- Leadership Development Program Certificate** 2018
 - *Held by Center for Students Leadership, Ethnic and Public Services, NCSU, US.*
- Center of Excellence in Architectural Technology (CEAT)** 2014
 - *Certification for Participating in the Course "The Methods of Teaching HVAC Systems to Architecture Students"*
 - *Teaching Professor: Eng. Mohammad Reza Soltandoust*
- Sustainability Jam Participation Certificate** 2014
 - *Held by "Tehran Sustainability Jam" as a Part of the Global Program "Sustainability Jam" and ID Reporter, Tehran, Iran*
- KNAUF IRAN Installation Certificate** 2013
 - *Held by KNAUF IRAN, Tehran, Iran.*
- Architectural Supervision and Designing Certificates** 2012
 - *Iran Construction Engineering Organization*

RESEARCH EXPERIENCES

- Oral Presentation "Evaluation of the Effects of Building Elements on Human Comfort in Intelligent Buildings at the Design Phase"** 2018
 - *The 24th International Sustainable Development Research Society Conference, Messina, Italy*
- Co-author of Article "The impact of phase change materials assisted night purge ventilation on the indoor thermal conditions of office buildings in hot-arid climates"** 2017
 - *Energy and Building*
- Author of Book "EnergyPlus Software Training" (in Persian)** 2017
 - *Yazda Publication*
- Author of the Book Chapter "The Role of Phase Change Materials in Building Applications"** 2016
 - *In the Book "Energy Security and Sustainability" - In English.*
 - *Taylor and Francis Publication*
- Patent "The Translucent Modular Panel Consisted of Louvers with Thermal Storage Capability"** 2015
 - *Registration No.: 87826 - National Patent Office of Iran.*

Author of the Book Chapter “An Overview of Phase Change Materials for Building Applications”	2015
<ul style="list-style-type: none"> • In the Book “Energy Sustainability through Green Energy”- In English. • <i>Springer Publication</i> 	
Invited Speaker, Lecture about “The Role of Phase Change Materials in Building Surfaces”	2015
<ul style="list-style-type: none"> • <i>The First International Conference on Advanced Materials in Power Engineering (ICAMPE)</i> • <i>Mahatma Gandhi University, Kottayam, Kerala, India</i> 	
Co-author of Article “Using Air Moisture as Water Resource in Buildings, Studying on Persian Gulf Situation” (Full Text in English).	2013
<ul style="list-style-type: none"> • E-nova International Congress, Pinkafeld, Austria. 	
Co-author of Article “A Perceptual Approach to Urban Color Changing and its Impacts.” (Full Text in English).	2012
<ul style="list-style-type: none"> • International Conference of Urban Change in Iran, University College London, UK. 	

TEACHING EXPERIENCES

Teaching

EnergyPlus and OpenStudio:

- *Faculty of Architecture, School of Fine Arts, University of Tehran, Tehran, Iran* 2012- 2017
- *Center of Excellence in Architectural Technology (CEAT), Tehran, Iran* 2014- 2017
- *Faculty of Architecture, Tabriz Islamic Art University, Tabriz, Iran* 2015
- *Faculty of Architecture, Pars University, Tehran, Iran* 2016- 2017

Teaching Assistant

Vernacular and Rural Architecture

- *Faculty of Architecture, School of Fine Arts, University of Tehran, Tehran, Iran* 2014- 2016
- Teaching Professor: Dr. Gholam Reza Akrami*

WORK EXPERIENCES

Research Assistant:

- *Redesigning NC Work Center to Improve the Work Place – Dr. Celen Pasalar, NCSU* 2018

Sustainability Specialist:

- *Pre- and Post-Occupancy Evaluation and Energy Analysis, RATIO Architects, Raleigh, NC* 2018-Present

Energy Specialist and Analyst:

- *Department of Research and Development at Saytal Sakht Co., Tehran, Iran* 2016- 2017
- *Department of Energy at Building and Housing Research Center (BHRC), Tehran, Iran.* 2015- 2017
- *Solar Decathlon Competition, (Shahid Abbas Pour University, Tehran, Iran), held in China* 2013

Architectural Designer and Energy Analyst:

- *Arxe Architectural Group, Tehran, Iran.* 2012-2013
- *Mahan Consulting Engineering Company, Tehran, Iran.* 2012-2014
- *Arta Consulting Engineering Company, Tehran, Iran.* 2013-2015

Director of Research Panning:

- *Institute of Young Architects and Urban Designers, Tehran, Iran.* 2014-2015

Producer of Database for Materials of Iran for EnergyPlus and OpenStudio:

- *Department of Energy at Building and Housing Research Center (BHRC), Tehran, Iran.* 2015-2017

SOME OF OTHER ACTIVITIES AND AWARDS











LeaderShape		2018
•	<i>4H Eastern Center, Columbia, NC + CSLEPS, NCSU</i>	
Volunteer in ISSERV Events		2017
•	<i>Martin Luther King Service Day, Food Lion, Farms, etc.</i>	
•	<i>Held by ISSERV, OIS, NCSU, US</i>	
Volunteer in Alternative Service Break (held by CSLEPS)		2017
•	<i>Washington DC, Serving Homeless and Hungers</i>	
•	<i>Charleston, University Recreation and Children</i>	2018
Photo Exhibition		
•	<i>Solo Photo Exhibition “Me and Iran: My Homeland”, Tehran Gallery, University of Tehran, Tehran, Iran.</i>	2011
•	<i>Group Photo Exhibition “Iran from Iranian Students’ view”, Some Universities in USA.</i>	2008
Photography		2011
•	<i>Photographer of the “Frist Book”, University of Tehran, Tehran, Iran.</i>	
Photography Awards		2010
•	<i>First Place Award in the Photography Competition “Architecture and Spirituality”, Armanshahr Inst., Tehran, Iran.</i>	
Memberships		2009- Present
•	<i>Main member of “National Iranian Photographers’ Society (NIPS)”.</i>	
Playing Piano, Accordion and Setar		1998
Member of Charity for Orphans, Badbadak		2008-2010
•	<i>School of Fine Arts, University of Tehran, Iran.</i>	

RESEARCH INTERESTS

Human-Building Interaction	Intelligent Buildings
Energy Simulation and Analysis	Human Satisfaction/Comfort in Buildings
Building Envelope Details	Phase Change Materials

SKILLS










SOFTWARE

EnergyPlus	
OpenStudio	
Design Builder	
Autodesk CFD	
Honey Bee	
Ladybug	
Rhinoceros	
LBNL Software	
AutoCAD	
SkethUp	

LANGUAGE

English	
Persian	

PERSONAL SKILLS AND INTERESTS

Leadership	
Communication	
Teaching	
Researching	
Team Working	
Designing	
Travelling	
Photography	
Playing the Piano	
Psychology	