

TAREK RAKHA

Assistant Professor - Syracuse Architecture
Research Fellow – Syracuse Center of Excellence

Syracuse University / School of Architecture
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EDUCATION

- 2012 – 2015 **Massachusetts Institute of Technology**
Ph.D. in Building Technology, Department of Architecture, School of Architecture + Planning
Dissertation: Towards Comfortable and Walkable Cities
- Fall 2011 **Harvard University**
Coursework towards Doctor of Design in Sustainable Design before transferring to MIT
- 2007 – 2010 **Cairo University (Egypt)**
M.Sc. in Architecture, Faculty of Engineering
Dissertation: Ceiling Form Optimization through Daylight using Genetic Algorithms
- 2002 – 2007 **Cairo University (Egypt)**
B.Sc. in Architecture, Faculty of Engineering

ACADEMIC APPOINTMENTS

- 2015 - Present **Assistant Professor and Faculty Research Fellow, Syracuse University**
School of Architecture and the Syracuse Center of Excellence
- Spring 2015 **Adjunct Professor, Rhode Island School of Design (RISD)**
Division of Architecture + Design, Department of Architecture
- Fall 2014 **Instructor, Massachusetts Institute of Technology**
Building Technology Program, Department of Architecture

RESEARCH EXPERIENCE

Syracuse University, Performative Praxis Lab (PPL) - Director

- 2016 - Present **Heat Mapping Drones: Building Envelope Energy Performance and Privacy Diagnostics using Unmanned Aerial Systems (UAS)** (\$43,162)
PI – Co-PIs: Dr. Senem Velipasalar and Dr. Yang Wang
Sponsor: Upstate Revitalization Initiative through Gryphon Sensors
- 2016 - Present **Improving Cognitive Performance and Well-being in Office Environments using Electrochromic Glazing for Enhanced Visual and Thermal Performance** (\$94,000)
PI – Co-PIs: Dr. Mariana Figueiro and Dr. Mike Kalish
Sponsor: SageGlass

2016 - Present	VIS-SIM: A Framework for Designing Neighborhood Energy Efficiency <i>Co-PI with Dr. Bess Krietemeyer and Dr. Jason Dedrick</i> <i>Sponsor: SyracuseCoE</i>	(\$25,000)
2016 - 2017	Feasibility Assessment of Syracuse Transportation Alternatives <i>PI – Co-PI: Dr. Ed Bogucz</i> <i>Sponsor: New York State Energy Research and Development Authority (NYSERDA) and New York State Department of Transportation (NYSDOT)</i>	(\$150,000)
2015 - 2016	Learning from LEED: Informing Future Home Building Practices through Analysis of LEED-H Market Adoption <i>PI – Co-PIs: Dr. Todd Moss and Dr. Tom Lumpkin</i> <i>Sponsor: United Technologies Corporation (UTC) through SU Whitman School of Management in collaboration with the US Green Building Council (USGBC)</i>	(\$36,000)
2015 - Present	Aerial Building Energy Assessment Mapping (ABEAM) <i>PI – Sponsor: Syracuse Center of Excellence (CoE)</i>	(\$35,000)

Massachusetts Institute of Technology, Sustainable Design Lab

2011 – 2015	Simulation Workflows for Thermal Comfort-Based Mobility Evaluation of Cities <i>PhD Student – Advisor: Dr. Christoph Reinhart – Sponsor: MIT Energy Initiative Seed Fund</i>	
2014 -2015	City-wide Energy Study of Boston <i>Manager – PI: Dr. Christoph Reinhart – Sponsor: Boston Redevelopment Authority Grant</i>	(\$75,000)
2012 -2014	The Daylit Area Project – Giving Architects a Voice in Daylighting Standards <i>Research Assistant – PI: Dr. Christoph Reinhart – Sponsor: MIT HASS Fund</i>	

The American University in Cairo, Department of Construction and Architectural Engineering

2008 - 2011	Integrated Desert Building Technologies <i>Research Assistant – PI: Dr. Ahmed Sherif – Sponsor: King Abdullah University of Sci. and Tech.</i>	
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Cairo University, Faculty of Engineering, Department of Architecture

2007 - 2010	Performance-based Form Finding <i>Masters Student – Advisors: Dr. Hesham Eissa and Dr. Moemen Afify</i>	
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PUBLICATIONS

Peer Reviewed Journal Articles

2014	Reinhart, C F., Rakha, T. and Weissman, D., “Predicting the daylit area - a comparison of students assessments and simulations at eleven schools of architecture,” LEUKOS, 10 (4), pp. 193 – 206.
2012	Sherif, A., Sabry, H. and Rakha, T. “External perforated solar screens for daylighting in residential desert buildings” Solar Energy, 86 (6), pp.1929 –1940.
2011	Rakha, T. and Nassar, K. “Genetic algorithms for ceiling form optimization in response to daylight levels,” Renewable Energy, 36 (9), pp. 2348-2356.

Peer Reviewed Conference Proceedings

- 2014 **Rakha, T.**, Rose, C M. and Reinhart, C F. "A framework for urban modeling occupancy profiles based on human activity patterns in the city," In Proceedings of ASHRAE/IBPSA-USA Building Simulation Conference, 10-12 Sep, Atlanta: GA.
- 2014 Reinhart, C F., **Rakha, T.** and Weissman, D. "Predicting the daylight area - a comparison of students assessments and simulations at eleven schools of architecture," In Proceedings of eSim 2014, 07-10 May, Ottawa: ON
- 2013 **Rakha, T.** and Reinhart, C F. "A carbon impact simulation-based framework for land use planning and non-motorized travel behavior interactions," In Proceedings of Building Simulation 2013, 25 -28 August, Chambéry: France.
- 2013 Reinhart, C F., Dogan, T., Jakubiec J.A., **Rakha, T.** and Sang, A., 2013. "Umi - an urban simulation environment for building energy use, daylighting and walkability," In Proceedings of Building Simulation 2013, 25 -28 August, Chambéry: France.
- 2012 **Rakha, T.** and Reinhart, C F. "Generative urban modeling: a design work flow for walkability-optimized cities," In Proceedings of SimBuild 2012, 01-03 August, Madison: WI.
- 2012 Sabry, H., Sherif, A., Gad Elhak, M. and **Rakha, T.** "External Perforated Solar Screen Parameters and Configurations: Daylighting Performance of Screen Axial Rotation and Opening Proportion in Residential Desert Buildings," In Proceedings of the International Conference on Computing in Civil and Building Engineering, 27 – 29 June, Moscow, Russia.
- 2011 Sabry, H., Sherif, A., el-Zafarany, A., Arafa, R., **Rakha, T.**, and Anees, M. "Balancing the Energy Savings and Daylighting Performance of External Solar Screens," In Proceedings of the 27th International Conference on Passive and Low Energy Architecture PLEA, 13-15 July, Louvain-La-Neuve, Belgium.
- 2011 Sabry, H., Sherif, A., and **Rakha, T.** "External Perforated Solar Screen Parameters and Configurations: Daylighting Performance of Screen Axial Rotation and Opening Proportion in Residential Desert Buildings," In Proceedings of the International Conference for Sustainable Design and Construction, 23-25 March, Kansas City, MO.
- 2010 **Rakha, T.** and Nassar, K. "Daylight as an evolutionary architectural form finder," In Proceedings of the International Conference on Computing in Civil and Building Engineering, 30 June - 2 July, Nottingham, UK, University of Nottingham Press, Paper 186, p. 371. **Best Paper Award.**
- 2010 Sherif, A., Sabry, H., Shawky, S. and **Rakha, T.** "Daylighting for privacy: evaluating external perforated solar screens in desert clear sky conditions," In proceedings of Renewable Energy 2010 Conference, 27 June - 2 July, Yokohama, Japan. **Best Paper Award.**
- 2010 Sabry, H., Sherif, A., Fekry, A. and **Rakha, T.** "Integration of daylighting simulation software in architectural education," In Proceedings of the International Conference on Computing in Civil and Building Engineering, 30 June-2 July, Nottingham, UK, Nottingham University Press, Paper 299, p. 597.
- 2010 Sabry, H., Sherif, A. and **Rakha, T.** "Assessing the effect of external obstruction parameters on indoor daylighting performance in desert clear sky conditions," In proceedings of the 16th annual international sustainable development research conference, 30 May - 1 June, Hong Kong, China.

TEACHING EXPERIENCE

Syracuse University, School of Architecture

Spring 2017	4 th Year Integrative Design Studio (Studio Co-coordinator) Professional Elective: Comfort in Motion	(ARC409) (ARC500)
Fall 2016	3 rd Year Professional Undergraduate Core Studio (Studio Co-coordinator) Building Systems II: Environmental Design and Service Systems Seminar	(ARC307) (ARC322)
Spring 2016	Dubai Visiting Critic Studio – Sustainable Start-ups in the Desert	(ARC407/609)
Fall 2015	3 rd Year Professional Undergraduate Core Studio Building Systems II: Environmental Design and Service Systems Seminar <i>Assistant Professor</i>	(ARC307) (ARC322)

Rhode Island School of Design, Department of Architecture

Spring 2015	Environmental Design II: Daylighting and Acoustics <i>Adjunct Professor – Core Curriculum Undergraduate and Graduate Seminar</i>	(ARCH-2158)
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Massachusetts Institute of Technology, Department of Architecture

Summer 2015	Modeling Urban Sustainability - Energy, Daylight and Walkability <i>Instructor– Executive Education Seminar</i>	
Fall 2015	Comfort in Motion: Design Strategies to Promote Human Powered Mobility through Comfortable Outdoor Spaces <i>Principal Instructor and Course Developer – Graduate Elective Seminar</i>	(4.S42)
2013 – 2014 2 Semesters	Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods <i>Teaching Assistant</i>	(4.433)
2012	Daylighting <i>Teaching Assistant</i>	(4.430)

The American University in Cairo, Department of Construction and Architectural Engineering

2010 2 Semesters	Architectural Design Studio V – Hi Tech <i>Assistant Lecturer</i>	(AENG 455)
2010 2 Semesters	Advanced Computer Aided Architectural Design <i>Assistant Lecturer</i>	(AENG 473)
2010 – 2011 2 Semesters	Environmental Control and Sustainability Design <i>Teaching Assistant</i>	(AENG 326)
2008 2 Semesters	Introduction to Architectural Engineering <i>Teaching Assistant</i>	(AENG 321)
2008 – 2009 4 Semesters	Digital Communication Tools for Architects <i>Teaching Assistant</i>	(AENG 273)

2007 Descriptive Geometry and Engineering Drawing (ENGR 115)
Teaching Assistant

Cairo University, Department of Architecture

2008 Architectural Design Studio 3 (ARC 201)
 Execution Designs 1 (ARC 303)
 Knowledge Based Systems (ARC N404)
 Basic Engineering Design (GEN N003)
Teaching Assistant

STUDENT ACHIEVEMENTS – SYRACUSE ARCHITECTURE

2016 **Honorable Mention:** Reimagine Place Design Competition, Syracuse Joe Lin, Daniel Park,
Studio Instructor Irving Shen

2016 **Finalist:** Well Buildings 2050 International Student Design Competition Emily Greer and
Faculty Mentor Sarah Ritchey

2016 **Winner:** NYS Green Buildings Conference Design Student Poster Austin Adams and
 Competition - *Studio Instructor* Yen Chin Liu

2016 **Winner:** NYS Green Buildings Conference Undergraduate Student Erik Yopez (16')
 Research Poster Competition - *Thesis Advisor*

2015 **1st Place Winner:** Undergraduate Student Poster Competition at the Chelsea Wheeler (16')
 Syracuse Center of Excellence Symposium - *Thesis advisor*

PROFESSIONAL DESIGN AND CONSULTING EXPERIENCE

2016 **Gemini Real Estate - Consultant**
 Environmental Analysis: Makronisos Marina – Ayia Napa, Cyprus.
 Site analysis, residential, commercial and events building performance simulation study.

2008 **Architecture and Urbanism Group - Architect**
 Design: Oseem Mosque, Africa Land Theme Park – Libya, Office Building – 6th of October City.
 Construction Documents: Facades, Park Avenue – Damac Properties, Egypt.

2008 **Shafie – Sherif Bureau - Architect**
 Design: El Rahma Hospital, Egypt
 Construction documents: 300 Bed Hospital Prototype, Saudi Arabia.

2007 – 2008 **Mimar Engineering Consultancy - Architect**
 Design: The Egyptian Embassy in Rabat – Morocco Competition. (Winner of 2nd Prize)
 Construction documents: Damanhour Creativity Center, Egypt.

AWARDS AND HONORS

2015 - Present **Syracuse Center of Excellence Faculty Research Fellow Seed Fund** – Syracuse University
\$35,000 fellowship award for research focusing on energy and indoor environmental quality.

2014 **Raab Family Education Fund Award** – MIT Department of Architecture
First recipient of a \$10,000 award for one nominated PhD Candidate with a public interest focus.

- 2014 **William L. Stewart, Jr. Award** – MIT Awards Convocation
Institute service contributions of the Egyptian Student Association, President.
- 2014 **Bridge Builder Award** – MIT Student Leader Awards
Service leadership of the Egyptian Student Association, President.
- 2014 **Travel Award** – International Building Performance Simulation Association (IBPSA-USA)
Attend and present a paper in the ASHRAE-IBPSA conference in Atlanta, GA.
- 2013 **Travel Award** – International Building Performance Simulation Association (IBPSA-USA)
Attend and present a paper in the IBPSA-World conference in Chambéry, France.
- 2012 **Travel Award** – International Building Performance Simulation Association (IBPSA-USA)
Attend and present a paper in the IBPSA-USA conference in Madison, WI.
- 2012 **Certified Passive House Consultant Training Scholarship** – MIT Building Technology
Scholarship that covers Passive House Consultant training fees.
- 2012 **Seed Fund for Doctoral Studies** – MIT Energy Initiative
Research grant to conduct PhD research, awarded to Prof. Christoph Reinhart.
- 2011 **Scholarship for Arab Students** – Harvard Graduate School of Design
Award covering all tuition expenses for Fall 2011.
- 2010 **Best Paper Award** – International Conference on Computing in Civil and Building Engineering
Student Paper presented from M.Sc. thesis work.
- 2010 **Best Paper Award** – Renewable Energy 2010 Conference
Low Energy Architecture Paper presented from group research.
- 2009 **Outstanding Performance and Dedication Certificate** – The American University in Cairo
Teaching in the Architecture Program.
- 2007 **Excellence in Ecological Design Award** – Cairo University
Ranked 1st in the B.Sc. thesis project.
- 2002 – 2007 **Annual University Grants** – Cairo University
Maintaining academic excellence in undergraduate education annual financial awards.

INVITED TALKS

- 02 Dec 2016 **Performance Driven Scholarship**
Invited speaker for the SRC Invited Speaker Series, Syracuse, NY.
- 11 Nov 2016 **High Performance Design / Energy Modeling and Research**
1st invited speaker for the Skidmore Owings & Merrill (SOM) National Technical Meeting, NYC.
- 20 Oct 2016 **40 Below Presents: FAST Transit Study**
Invited speaker for Civics on Tap Forum, organized by 40 Below, Syracuse, NY.
- 07 Oct 2016 **Alternative Transportation Analysis for the City of Syracuse**
Invited speaker in the Institute of Transportation Engineers Upstate New York Annual Meeting.

- 17 Mar 2016 **Walkable Dubai?**
Invited speaker in BuroHappold Engineering Forum, Dubai, United Arab Emirates.
- 10 Nov 2015 **Sustainable Urban Mobility: Unlocking the Power of Walkable Cities**
Invited session chair and speaker in the 2015 Syracuse Center of Excellence Symposium.
- 24 Oct 2015 **Built Environment Technologies: From Smart Buildings to Smart Cities**
Invited speaker in "Techne Summit" international technology platform in Alexandria, Egypt.
- 20 Oct 2015 **Comfort in Motion: Urban-scale modeling of walkability and thermal comfort**
Invited speaker in "Green Buildings and Urban Environment Forum" co-organized by Syracuse University and Nanjing University in Syracuse NY.
- 05 Nov 2014 **Which "Smart" Mobility? Sustainability through Human Powered Transportation**
Invited speaker in "Towards a Roadmap for Sustainable Cities in the MENA Region" conference hosted by the American University in Beirut (AUB) and Friedrich Ebert Stiftung - Lebanon.
- 12 Apr 2014 **Walk the Walk, Literally**
TEDxCairo talk on the walkability and bikeability of Egyptian cities – Egypt.
- 19 Nov 2013 **Appreciating Density: the Design of Walkable and Bikeable Cities**
Architecture Boston Expo (ABX) invited speaker and panelist
- 20 Sep 2013 **Microclimate: Elements, Methods and Tools**
Northeastern University, Environmental Systems Undergraduate Seminar
- 02 Mar 2013 **Designing Urban Walkability**
Harvard GSD Interdisciplinary Student Sustainability Summit invited speaker and panelist
- 15 Feb 2010 **Decoding Digital Methodologies for Architectural Design**
Public lecture, the American University in Cairo – Egypt.

CONFERENCE PRESENTATIONS

- Apr 2016 "Towards Comfortable and Walkable Cities," oral presentation in the 14th Annual New York State Green Building Conference, Syracuse, NY.
- Sep 2014 "A framework for urban modeling occupancy profiles based on human activity patterns in the city," oral presentation in the ASHRAE / IBPSA Conference 2014, Atlanta, GA.
- Oct 2013 "Modeling urban energy flows," poster presented in the MITEI Conference, Cambridge, MA.
- Aug 2013 "A carbon impact simulation-based framework for land use planning and non-motorized travel behavior interactions," oral presentation in Building Simulation 2013, Chambéry, France.
- Feb 2013 "A simulation-based framework for walkable cities," poster presented for the MITEI Seed Fund poster session, Cambridge, MA.
- Nov 2012 "Walkable cities," poster presented in the third MIT Transportation Showcase, Cambridge, MA.
- Oct 2012 "Urban form optimization for walkability of cities," poster session presented in the MIT Energy Initiative Fall Research Conference, Cambridge, MA.

- Aug 2012 “Generative urban modeling: a design work flow for walkability-optimized cities,” oral presentation in SimBuild Conference, Madison, WI.
- March 2011 “External Perforated Solar Screen Parameters and Configurations,” oral presentation in the International Conference for Sustainable Design and Construction, 23-25 March, Kansas City, MO
- July 2010 “Eco-evolutionary algotecture: a model for interactive design optimization,” poster presented in the Fourth Conference on Design Computing and Cognition (DCC10), Stuttgart, Germany.
- Jun 2010 “Daylight as an evolutionary architectural form finder,” oral presentation in the International Conference on Computing in Civil and Building Engineering (ICCCBE), Nottingham, UK.
- Jun 2010 “Integration of daylighting simulation software in architectural education,” oral presentation in the International Conference on Computing in Civil and Building Engineering (ICCCBE), Nottingham, UK.
- Dec 2009 “Digiscape architecture: form generation as new architectural design glasses,” oral presentation in ARCHCAIRO2009, 5th International Cairo University, Faculty of Engineering, Architecture Department Conference, Cairo, Egypt.

LEADERSHIP AND SERVICE

Service to Syracuse University

- 2016 – Present **Member, Scientific Committee, 7th International Building Physics Conference**
Elected Member and Secretary, Search Committee, School of Architecture
Elected Member, Bylaws Committee, School of Architecture
Member, Graduate Admissions Committee, School of Architecture
Co-coordinator, “Density: through thick and thin” Symposia Series
- 2015 – Present **Member, University Campus Sustainability Committee**
Member, Campus as a Laboratory for Sustainability Advisory Committee.
- 2016 **Chair, Program Committee, 17th SyracuseCoE Annual Symposium**
- 2015 **Coordinator, “Start Ups in the Desert” Symposium**
Member, School of Architecture NAAB Review Committee

Service to Massachusetts Institute of Technology

- 2013 – 2014 **President, the Egyptian Student Association**
Established the MIT-Egypt program for seed fund grants and student exchange.
- 2013 – 2014 **Mentor, the Architecture Student Council**
- 2014 **Judge, the Urban Heat Island Effect Contest**
Organized by the Climate Colab –MIT Center for Collective Intelligence.
- Organizer, the Sustainable Urban Mobility Lecture Series**
- 2013 **Coordinator, the Symposium on Sustainable Urban Design**

Service to Academia

- 2016 - 2017 **Reviewer, Building Simulation 2017 Conference - International Building Performance Simulation Association (IBPSA).**
- 2016 **Reviewer, Data Mining and Knowledge Discovery (DAMI) Journal - Springer**
- 2014 **Session Chair for the ASHRAE / IBPSA 2014 Conference (Daylighting II)**

2013 – 2014 **Reviewer, SimAUD 2015 and eSIM 2014 Conferences**

2013 – 2015 **Guest critic for the following courses:**

Fall 2015: Second Year Design Studio – SCI-Arc

Fall 2015: ARCH 21ST 05 Luminous Structures –RISD

Spring 2015: MArch/BSA Thesis Final Review – MIT

Spring 2014: ARCH-2158 Environmental Design II – RISD

Fall 2013: 4.472 Design Workshop for a Sustainable Future – MIT

Fall 2013: 4.401 Introduction to Architectural Building Systems – MIT

Service to Cairo University

2007 **Organizing team member, Annual ArchCairo Conference**

2003 – 2007 **Student Council President, Department of Architecture**

LICENSURE AND CERTIFICATION

2014 **Member, the Illuminating Engineering Society of North America (IESNA)**

2014 **Teaching Certificate Program (TCP) MIT Teaching and Learning Laboratory (TLL)**

2012 **Member, the Society of Building Science Educators (SBSE)**

2012 **Certified Passive House Consultant (CPHC) Passive House Institute US (PHIUS)**

2011 **Affiliate, the International Building Performance Simulation Association (IBPSA)**

2007 **Architecture Practice Licensure Egyptian Syndicate of Engineers**

WORKSHOP INSTRUCTOR

2014 **Building Environmental Optimization - Algoritm**
1-day daylighting theory and simulation workshop using DIVA for Rhino.

2013 -2014 **Building Performance Simulation for the Sustainable Design of Built Environments – EECA**
3-day professional workshop using Rhino plug-ins DIVA and umi. (Instructed twice)

2013 **Modeling Urban Energy Flows – IEREK**
1-day professional modeling urban energy flows workshop using Rhino plug-in umi.

2013 **Daylighting and Energy Modeling - Karmsolar**
1-day professional building performance simulation workshop using Rhino plug-ins DIVA and umi.

2010 **Daylighting Simulation – Zuhair Fayez**
Participated as an instructor in a 3-day workshop using Ecotect.

INTERNSHIPS AND WORKSHOPS IN ARCHITECTURE

Summer 2007 **The Identity of Architecture and Urban Structure in Historic Arabic Towns – Cairo, Egypt**
Tutor, summer workshop organized by Brandenburg Technical University, Germany.

- Summer 2006 **Lederer Ragnarsdóttir Oei - Architekten – Stuttgart, Germany**
Architectural Intern.
- Summer 2006 **Revitalization of Street Space in the Mediterranean – Nicosia, Cyprus**
Participant, summer workshop organized by the Chamber of Cyprus Turkish Architects.
- Spring 2006 **Urban Development of Historic Districts in Arabic Towns – Damascus, Syria**
Participant, spring workshop organized by Brandenburg Technical University, Germany.
- Summer 2005 **Multiple Engineering and Architectural Systems Firm – Cairo, Egypt**
Architectural Intern.
- Summer 2004 **Mimar Engineering Consultancy –Cairo, Egypt**
Architectural Intern.

RELEVANT PRESS

- 05 Jan 2017 **Engineering and Computer Science, Office of Research Award \$230,000 for UAS Research**
Syracuse University
<https://news.syr.edu/2017/01/engineering-and-computer-science-office-of-research-award-230000-for-uas-research/>
- 31 Oct 2016 **The World's Tallest Tower Is Estimated to Cost \$1 Billion**
Forbes
<http://www.forbes.com/sites/eustaciahuen/2016/10/31/inside-the-tower-worlds-tallest-building-estimated-to-cost-1-billion/#603be569584b>
- 26 Oct 2016 **CoE Awards Funding for Research, Innovation Projects by Faculty at University, SUNY ESF**
Syracuse University
<https://news.syr.edu/2016/10/coe-awards-funding-for-research-innovation-projects-by-faculty-at-university-suny-esf-52707/>
- 04 Oct 2016 **SU Researchers Study Transportation Alternatives - TV Interview**
WSYR-TV, News Channel 9
<http://www.localsyr.com/news/local-news/local-researchers-studying-cny-transportation-trends/591575896>
- 27 Sep 2016 **Study to examine sustainable transportation in Syracuse, central New York**
Daily Orange
<http://dailyorange.com/2016/09/study-examine-sustainable-transportation-syracuse-central-new-york/>
- 14 Sep 2016 **Syracuse University researching ride sharing in Syracuse**
WRVO Public Media (NPR)
<http://wrvo.org/post/syracuse-university-researching-ride-sharing-syracuse>
- 13 Apr 2016 **Architecture Student's Exploration of Sustainable Design in Heart of Dubai Includes Site Visit of a Lifetime**
Syracuse Architecture
<https://soa.syr.edu/live/news/87-architecture-students-exploration-of-sustainable>
- 16 Sep 2016 **FAST: Syracuse Will Study Sustainable Transportation Alternatives for CNY**
Syracuse University
<https://news.syr.edu/2016/09/fast-syracuse-will-study-sustainable-transportation-alternatives-for-cny-72741/>
- 27 Jun 2016 **Cities Weigh Re-designs to Encourage Walking**
Yale Climate Connections
<http://www.yaleclimateconnections.org/2016/06/cities-weigh-re-designs-to-encourage-walking/>

- 29 Jan 2016 **From Syracuse to Dubai**
Syracuse University
<https://news.syr.edu/2016/01/from-syracuse-to-dubai-45115/>
- 22 Dec 2015 **Two Syracuse Architecture Faculty Members Think "Glocal" as School Launches New Design | Energy | Futures MS Concentration**
Archinect
<http://archinect.com/news/article/143604710/two-syracuse-architecture-faculty-members-think-glocal-as-school-launches-new-design-energy-futures-ms-concentration>
- 19 Jun 2014 **Can Cairo be sustainable?**
Cairo Scene
<http://www.cairoscene.com/LifeStyle/Can-Cairo-Be-Sustainable->
- 16 05 2014 **MIT recognizes excellence during 2014 awards convocation**
MIT News
<http://news.mit.edu/2014/mit-recognizes-excellence-during-2014-awards-convocation>
- 16 12 2013 **Urban sustainability: Designing resource-efficient, appealing cities**
MIT Energy Futures
<http://energy.mit.edu/news/urban-sustainability-designing-resource-efficient-appealing-cities/>