

DAVID R. SHANKS, RA, NCARB

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ACADEMIC POSITIONS

2023 - present	<i>Assistant Professor</i> Auburn University , School of Architecture, Planning, and Landscape Architecture (APLA)	Auburn, AL
2015 - 18; 2020 - 23	<i>Assistant Professor</i> Syracuse University , School of Architecture	Syracuse, NY
2018 - 20	<i>Architecture Program Director</i> Syracuse University in Florence	Florence, Italy
July 2019	<i>Visiting Workshop Instructor</i> Kookmin University , School of Architecture	Seoul, Korea
2014 - 15	<i>Assistant Teaching Professor</i> Syracuse University , School of Architecture	Syracuse, NY
2009	<i>Studio Instructor</i> Boston Architectural College	Boston, MA
2006 - 09	<i>Teaching Assistant</i> Harvard University , Graduate School of Design	Cambridge, MA

EDUCATION

2005 - 09	<i>Master of Architecture (M.Arch)</i> Harvard University , Graduate School of Design	Cambridge, MA
1999 - 2003	<i>Bachelor of Arts</i> in Urban Design Studies and Economics New York University , College of Arts and Science	New York, NY

PRACTICE

2020 - present	<i>Co-Founder</i> A S D F Selected Best New Practice 2021 by <i>The Architect's Newspaper</i> -New Americans' Pavilion, Syracuse (built 2023) -Wondrous Pools Art Museum, Bacoli, Italy (competition)	Syracuse, NY
2014 - 19	<i>Sole Proprietor</i> David Shanks, Architect -Waterwheelhouse, Cazenovia (AIA Merit Award) -Eastwood Veterans Supportive Housing, Syracuse -Crown Heights Painter's Studio, Brooklyn -Year-round House, Cape Cod (competition w/M. Alexander)	Syracuse, NY

2012 - 14	<i>Architect</i> Gluckman Tang Architects -Gagosian Gallery Renovation, Manhattan -Riggio Pool House, Bridgehampton	New York, NY
2010 - 12	<i>Technical Designer</i> (Enclosures Group) Skidmore Owings and Merrill -Sheikh Khalifa Medical City, Abu Dhabi -National Museum of the US Army, Virginia (built 2020)	New York, NY
2009 - 10	<i>Junior Architect</i> Architectural Resources Cambridge -Albert Sherman Center, UMass Medical School (built 2012)	Cambridge, MA
2008	<i>Intern Architect</i> Preston Scott Cohen, Inc. -Ordos House 047, Mongolia -Amir Building, Tel Aviv Museum of Art, Israel (built 2009)	Cambridge, MA
2007	<i>Intern Architect</i> Architectural Resources Cambridge -Genzyme Headquarters, Beijing (built 2009)	Cambridge, MA
2006	<i>Intern Architect</i> Office for Metropolitan Architecture -Museum Plaza Louisville	New York, NY
2003 - 05	<i>Program Coordinator</i> Tri-City Community Action Program Oversaw federally funded Housing Opportunities for Persons With AIDS (HOPWA) program to assist individuals in the Boston area living with AIDS to access affordable housing	Malden, MA

PUBLICATIONS

2023 (under review)	<u>Journal Articles:</u> Shanks, David R. "New Americans' Pavilion: A Community-University Partnership to Support Refugee Food Sovereignty in Syracuse, NY." Ground Works 2023: Creating Knowledge in Common (under review). Peer review.
2023	Shanks, David R. "The World's Flattest Floor." Pidgin (Princeton University School of Architecture) Vol. 31, 2023. 5-16. Print. Editor review.
2023	Shanks, David R. "Kind of Blue: Applying the Principles of DeafSpace at the New Americans' Pavilion." Architecture New York State May 2023: Accessible Architecture. 10-12. Print. Editor review.

- 2019 Shanks, David R. "Who, Mies? Interrogating the Federal Center Courthouse and the Trial of the Chicago 7." **The Journal of Architectural Education** 73:1 Atmospheres, 2019. 20-31. Print. Double-blind peer review.
- Book Chapters:
- 2023 Shanks, David R. "Playing Against Type: Mies van der Rohe's Federal Center Courthouse." *Mies van der Rohe: The Architecture of the City*. Ed. Massimo Ferrari, et al. Padova: Il Poligrafo, 2023. 352-360. Print. Peer review.
- Conference Proceedings:
- 2021 Shanks, David R. "New Americans' Pavilion: A Community Farming Hub for Refugees in Syracuse, NY." **ACSA Intersections Research Conference: Communities**, Paper Proceedings. Association of Collegiate Schools of Architecture, 2021 (forthcoming). Print. Double-blind peer review
- 2019 Shanks, David R. "Who, Mies?" (early version) **ACSA 107th Annual Meeting: Black Box**, Paper Proceedings. Association of Collegiate Schools of Architecture, 2019. 602-608. Print. Double-blind peer review.
- Publications and Media Coverage of Design Work:
- 2023 Leiserowitz, Anthony, host. "The sun powers a Syracuse community farm — in more ways than one." **The Climate Connections Podcast**. Yale Center for Environmental Communication, June 8, 2023, <https://yaleclimateconnections.org/2023/06/the-sun-powers-a-syracuse-community-farm-in-more-ways-than-one/>
- 2021 Seward, Aaron, ed. **Best of Design 2021**. New York: The Architect's Newspaper, 2021. 87. Print.
- 2021 "Meet the Winners of Our 2021 Best of Practice Awards." **The Architect's Newspaper**, June 30, 2021. <https://www.archpaper.com/2021/06/2021-best-of-practice-awards/>.
- 2015 Morgan, William. "Add-On 13: Contemporary Affordable Housing for Cape Cod." **Competitions Annual**. Ed. G. Collyer. Louisville: The Competition Project, 2015. 232-237. Print.
- 2010 Kennedy, Sheila. "Soft Space: Sustainable Strategies for Textile Architecture." **GSD 08 Platform**. Ed. Lluís Ortega. Cambridge: Harvard University Graduate School of Design, 2010. 196-197. Print.

PRESENTATIONS

2023	<p><u>Refereed Presentations:</u> “New Americans’ Pavilion: Addressing the Food Sovereignty Gap for Refugees in Syracuse, NY.” <i>Social Differences, Social Justice</i> Symposium MetLife Foundation-Lender Center for Social Justice Blind review.</p>	Syracuse, NY
2023	<p>“New Americans’ Pavilion: Green Building Strategies to Support Refugee Food Sovereignty in Syracuse, NY.” 60-minute Platform Presentation New York State Green Building Conference Session: <i>Green Building’s Role in Environmental & Social Justice</i> Double-blind review.</p>	Syracuse, NY
2021	<p>“New Americans’ Pavilion: A Community Farming Hub for Refugees in Syracuse, NY.” ACSA Intersections Research Conference: Communities Session: <i>Healthy Communities</i> Double-blind peer review.</p>	Virtual
2019	<p>“Playing Against Type.” <i>Mies van der Rohe: The Architecture of the City</i> Conference Politecnico di Milano, AIUC School Session: <i>History and Typology</i> Peer review.</p>	Milan, Italy
2019	<p>“Who, Mies?” ACSA 107th Annual Meeting: Black Box Session: <i>Architecture’s Politics of Appearance</i> Double-blind peer review.</p>	Pittsburgh, PA
	<p><u>Invited Presentations:</u></p>	
2021	<p>“Rituals, Vegetables, and Architecture.” Undergraduate Design Studio led by Prof. Paola Giacomina Kent State University, CAED</p>	Virtual
2020	<p>“Advanced Building Systems: Heliomorphism.” <i>Teaching and Learning through Digitized Materials</i> Symposium Syracuse University Digital Library Program</p>	Virtual
2019	<p>“Friction Fitness.” Three-day design/build workshop. <i>Cultural Impacts: International Design Workshop</i> Kookmin University, School of Architecture</p>	Seoul, Korea
2017	<p>“Further Sheds: Recent Work by David Shanks, Architect.” Alfred State College, Department of Architecture</p>	Alfred, NY

2016	<p>“Physical, Digital, and Virtual Prototyping of Emergent]Materials for Building Enclosures.” (w/Amber Bartosh) <i>Transforming Design and Energy for a Resilient Future</i> 16th Annual Syracuse CoE Symposium Syracuse Center of Excellence</p>	Syracuse, NY
2015	<p>“Year-rounder House.” <i>Other Practices</i> Symposium Syracuse University, School of Architecture</p>	Syracuse, NY
2021	<p><u>Invited Panel Discussions:</u> <i>Transitions: Directed Research to Practice</i> Syracuse University First-Year Experience Seminar</p>	Syracuse, NY
2021	<p><i>Florence @ 40+: Looking Back, Looking Forward</i> Syracuse University, School of Architecture</p>	Syracuse, NY

AWARDS & HONORS

2023	<p>Merit Award, Unbuilt Project by Emerging Architect American Institute of Architects, New York State Chapter “Waterwheelhouse: A New Enclosure for a 1932 Hydro-electric Water Wheel.” Jury: Benjamin Kasdan, Jennifer Marsh, Kenneth MacKay, Dawn Carpenter, Pamela Rew Double-blind review.</p>	
2021	<p>Best of Practice (w/ASDF partner Aurélie Frolet) Category: Architect, New Firm, Northeast <i>The Architect’s Newspaper</i> Jury: Verda Alexander, Refik Anadol, Sean Canty, Katherine Darnstadt, Jared Della Valle, Erleen Hatfield, Michael Hsu, David A. Rubin, Pascale Sablan, Troy Schaum, Erica Stoller, Kim Yao, Ann Yoachim, Michael Young Blind review.</p>	
2017	<p>Syracuse University Innovative Program Development Award \$20,000 course development grant ARC 423/623 Advanced Building Systems: <i>Heliomorphism</i></p>	
2013	<p>Artist-in-Residence Cape Cod Modern House Trust, Wellfleet, MA</p>	
2013	<p>Finalist (with partner Michael Alexander) <i>Add-on ‘13</i> competition entry: “Year’rounder House” Awarded 2nd place overall among 130 entries and 6 finalists Jury: Kenneth Frampton, William O’Brien, Jr., Tulay Atak, Anne Tate, Peter McMahon</p>	

2012 **Selected Project**
The Greatest Grid competition entry: “De-Central Parks”
Project selected for exhibition
Jury: Bernard Tschumi, Amale Andraos, Mark Robbins, Sarah Whiting
Blind review.

2011 **Selected Project**
Gowanus Lowline competition entry: “Go Gowanus!”
Project selected for exhibition
Jury: Greg Pasquarelli, David Lewis, Julie Bargmann, Joel Towers
Blind review.

2009 **Resident Fellow**
The MacDowell Colony, Peterborough, NH

EXHIBITIONS

Refereed Exhibitions:

2019 “International Waters: Syracuse Architecture in Florence.”
Exhibition of Syracuse University in Florence student work
and faculty research.
Biennale di Architettura di Pisa: *Tempo d’Acqua* Pisa, Italy

2019 Exhibited Project: “Waterwheelhouse.”
Biennale di Architettura di Pisa: *Tempo d’Acqua* Pisa, Italy

2014 Exhibited Project: “Year-rounder House.”
Advanced Building Systems Symposium
Syracuse Center of Excellence Syracuse, NY

2013 Exhibited Project: “Year-rounder House.”
Conditions and Environments Exhibition
Boston Society of Architects Boston, MA

2012 Exhibited Project: “De-Central Parks.”
The Greatest Grid: The Master Plan of Manhattan Exhibition
Museum of the City of New York New York, NY

2011 Exhibited Project: “Go Gowanus!”
Gowanus Lowline Exhibition
SET Gallery Brooklyn, NY Brooklyn, NY

Invited Exhibitions

2017 Exhibited Project: “Waterwheelhouse.”
The Image, the Object, the Table Faculty Works Exhibition
Syracuse University, School of Architecture Syracuse, NY

2015	Exhibition Curation, Design, Fabrication and Installation <i>5x5 Chimeras</i> Faculty Works Exhibition Syracuse University , School of Architecture	Syracuse, NY
2015	Exhibited Drawing: “The Wreck of the Circus Train.” <i>5x5 Chimeras</i> Faculty Works Exhibition Syracuse University , School of Architecture	Syracuse, NY

RESEARCH FUNDING

2022	<u>Extramural Funding:</u> Reisman Foundation Award: \$10,000 design and construction grant Subject: Off-grid photovoltaic system at New Americans’ Pavilion Grantee: Salt City Harvest Farm, Kirkville, NY Role: Design Architect	
2021	Central New York Community Foundation Award: \$8,000 design and construction grant Subject: Off-grid photovoltaic system at New Americans’ Pavilion Grantee: Salt City Harvest Farm, Kirkville, NY Role: Design Architect	
2021	C&S Foundation Award: \$10,000 design and construction grant Subject: Off-grid photovoltaic system at New Americans’ Pavilion Grantee: Salt City Harvest Farm, Kirkville, NY Role: Design Architect	
2020	Chobani® Community Impact Fund Award: \$16,800 design and construction grant Subject: New Americans’ Pavilion Grantee: Salt City Harvest Farm, Kirkville, NY Role: Design Architect	
2017	Cazenovia Area Community Development Association Award: \$16,000 design and construction grant Subject: Hydro-electric Demonstration Site in Cazenovia, NY Grantee: Matthew Potteiger (Principal Investigator) Role: Design Architect	
2022	<u>Intramural Funding:</u> Syracuse Office of Undergraduate Research and Creative Engagement (SOURCE) Award: \$8,100 grant Subject: Student Research Interns for Brady Farm Market Shed Design/Build Role: Principal Investigator (w/Hannibal Newsom)	

- 2022 **Syracuse Architecture Faculty Development Grant**
Award: \$10,000 design and construction grant
Subject: Brady Farm Market Shed Design/Build
Role: Principal Investigator (w/Hannibal Newsom)
- 2022 **Syracuse Office of Undergraduate Research and Creative Engagement (SOURCE)**
Award: \$5,000 grant
Subject: Student Research Interns for New Americans' Pavilion Design/Build
Role: Principal Investigator
- 2021 **Collaboration for Unprecedented Success and Excellence (CUSE)**
Innovative and Interdisciplinary Research Grant, Syracuse University
Award: \$23,800 research grant
Subject: Cost-effective Solar Powered Cold Storage at New Americans' Pavilion
Role: Principal Investigator (w/ Shalabh Maroo, Co-PI)
- 2021 **Syracuse Office of Undergraduate Research and Creative Engagement (SOURCE)**
Award: \$5,800 grant
Subject: Student Research Interns for New Americans' Pavilion Design/Build
Role: Principal Investigator
- 2019 **Syracuse Architecture Faculty Works Grant**
Award: \$3,000 research grant
Subject: Architectures of Jurisprudence
Role: Principal Investigator
- 2017 **Syracuse University Innovative Program Development Fund**
Award: \$20,000 course development grant
Subject: ARC 423/623 Advanced Building Systems: *Heliomorphism*
Role: Principal Investigator
- 2016 **Syracuse Architecture Faculty Works Grant**
Award: \$3,000 research grant
Subject: Daylight Harvesting Facade at Eastwood American Legion, Syracuse, NY
Role: Principal Investigator
- 2015 **Syracuse Architecture Faculty Research Cluster Grant**
Award: \$8,000 research grant
Subject: Thermo-chromic Valve Wall
Role: Principal Investigator (w/Amber Bartosh and Bess Krietemeyer)

FUNDING REQUESTED

- 2023 (under review) **United States Department of Energy (US DOE)**
Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT)
Finalist (Concept Paper approved; Full Proposal under review)
Request: \$2.15million research grant
Subject: HydroBox HVAC Technology for Deep Energy Retrofit
Role: Principal Investigator (w/Jeongmin Ahn & Jensen Zhang Co-PIs)

- 2023 **MetLife-Lender Center for Social Justice**, Syracuse University
Request: \$90,000 research grant (not awarded)
Subject: Community-Engaged Design/Build Service Learning Opportunities
to Address the Racial Wealth Gap in Syracuse, NY
Role: Principal Investigator (w/Hannibal Newsom)
- 2022 **New York State Energy Research and Development Authority (NYSERDA)**
Next Generation HVAC Innovation Challenge
Finalist (Concept Paper approved; Full Proposal not awarded)
Request: \$1.2million research grant (not awarded)
Subject: Hydronic Shell HVAC/Facade System for Deep Energy Retrofit
Role: Principal Investigator (w/Jeongmin Ahn & Jensen Zhang Co-PIs)

TEACHING RECOGNITION

- 2021 **Honors Program Crown Award**
Syracuse University René Crown Honors Program
Julia Chou, “Architectural Solidarities: Enacting Accessibilities on
the Syracuse University Campus.”
Faculty Advisor: David Shanks
- 2021 **Honors Program Crown Award**
Syracuse University René Crown Honors Program
Erik Bakken, “Recoupling Building and Ecology Through Wood:
Learning from Sustainable Silviculture and Architecture in Boreal Forests.”
Faculty Advisor: David Shanks
- 2021 **James Britton Memorial Award, Faculty Thesis Prize**
Syracuse University School of Architecture
Phang Lim and Hanzhang Lai
“Dissolving Realities: An Endless Domestic Landscape.”
Thesis Advisors: Terrance Goode, Susan Henderson, David Shanks
- 2017 **Thesis Super Jury Nominee**
Syracuse University School of Architecture
Alexandra Ramirez, “As Above, So Below.”
Thesis Advisors: Elizabeth Krietemeyer, Tarek Rakha, David Shanks
- 2016 **Thesis Super Jury Nominee**
Syracuse University School of Architecture
Garrett Marini, “Form Follows Performance.”
Thesis Advisors: Anne Munly, Tarek Rakha, David Shanks
- 2016 **King & King Integrated Design Studio Prize**
Syracuse University School of Architecture
Yuchi Kuo, Andi Li, Yen Hsi Tung
Studio Instructors: Bess Krietemeyer, David Shanks

COURSES TAUGHT

	Syracuse University, School of Architecture (Assistant Professor)
ARC 107	Architectural Design I (Studio Coordinator)
ARC 108	Architectural Design II (Studio Coordinator)
ARC 407/608	Architectural Design VI (Florence)
ARC 408/609	Architectural Design VII (Florence)
ARC 423/623	Advanced Building Systems
ARC 500	Facade Design and Performance Optimization Seminar
ARC 505	Thesis Preparation
ARC 508/998	Architectural Design IX - Thesis
ARC 571	Survey of Italian Architecture (Florence)
ARC 607	Architectural Design IV - Integrated Design
ARC 650	Architectural Research Workshop
	Boston Architectural College (Adjunct Instructor)
ARC 1003	Architecture Studio III
	Harvard University, Graduate School of Design (Teaching Assistant)
HIS 04205	Postwar Architecture (Prof. Timothy Hyde)
SCI 06111	Materials & Construction (Prof. Toshiko Mori)

SERVICE

	Service to the Profession
2023	Peer Reviewer, ACSA 112th Annual Meeting
2021	Peer Reviewer, ACSA Intersections Conference
2019 - 21	Advisory Board Member, Polittico Research Lab, Università di Pisa
2019	Peer Reviewer, CUSE Research Grants, Syracuse University
2015	Peer Reviewer, ACSA 2015 Fall Conference
	Service to Syracuse University School of Architecture
	<u>Appointed Positions:</u>
2021 - 22	Faculty Reviewer, SOURCE Grants, Syracuse University
2016 - 18; 2020 - 21	Studio Coordinator, First Year Design Studio (ARC 107/108)
2018 - 20	Director of the Architecture Program, Syracuse University in Florence
2014 - 18; 2020 - 22	B.Arch and M.Arch Thesis Advising
2014 - 15; 2016 - 18	Admissions Committee (Undergraduate)
2015 - 16	Admissions Committee (Graduate)
2015 - 16	NAAB Accreditation Committee
2014 - 15	Exhibitions Committee
	<u>Elected Positions:</u>
2021 - 22	University Senate (Committee on Curricula)
2015 - 2017; 2020 - 22	Curriculum Committee
2016 - 17	ACSA Representative
2015 - 16	Faculty Search Committee

Volunteer Positions:

2018 - 20 Faculty Advisory Board, Syracuse University in Florence
2015 - 18 Design Mentor, Freedom By Design student group
2016 - 17 Advisor, Race to Zero US DOE student competition (finalists)
2015 - 16 Advisor, Solar Decathlon US DOE student competition

Service to the Community

2023 Pro-bono design services, Brady Farm, Syracuse, NY
2021 Pro-bono design and construction services, Salt City Harvest Farm, Kirkville, NY
2017 Pro-bono design services, Cazenovia Area Community Development Association
2016 Pro-bono design services, American Legion, Syracuse, NY

INVITED JURIES

2016, 2017, 2021, 2023 Cornell University, College of Architecture, Art, and Planning
2021 SUNY College of Environmental Science and Forestry
2021 Alfred State College, Department of Architecture
2020 Carnegie Mellon University, School of Architecture
2020 Penn State University, College of Arts and Architecture
2019 Università di Pisa (Italy)
2018, 2019 Kent State University in Florence (Italy)
2018 École Polytechnique Fédérale de Lausanne (Switzerland)
2016, 2017 Ithaca College
2015 University of Michigan, Taubman College of Architecture
2013, 2014, 2015 University of Buffalo, School of Architecture
2010 Boston Architectural College
2010 Northeastern University, School of Architecture
2009 Harvard University, Graduate School of Design