

Curriculum Vitae

Winifred Elysse Newman. Ph.D.

March 2023

CONTACT INFORMATION:

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CURRENT POSITIONS:

Associate Dean for Research and Academic Affairs, College of Architecture, Art and Construction
Director of the Institute for Intelligent Materials, Systems, and Environments
Professor of Architecture

PERSONAL NARRATIVE:

For several years, Elysse served as the Associate Dean of Research and Academic Affairs for the College of Architecture, Arts and Humanities (now the College of Architecture, Art and Constructions) at Clemson University, one of the nation's top public land-grant institutions. As a member of the College leadership team, Elysse played a primary role in implementing the university ClemsonForward strategic plan and is currently leading several key initiatives focused on faculty success. In addition to serving as the Associate Dean, Elysse is the Mickel Professor of Architecture and Director of the Institute for Materials, Systems, and Environments. The Institute is an interdisciplinary unit focused on applied research in the built environment. The Institute works across multiple scales, from building and landscape materials to large-scale urban communities and ecosystems. As an interdisciplinary research unit, the Institute works to advance research in informatics applications in the built environment. Before she arrived at Clemson, Elysse was an academic and administrative leader at the University of Arkansas, a public land-grant research university. She served there as a department head following three years as a Program head at Florida International University (FIU). The FIU student population of 56,000 makes it one of the largest HSUs in the country. Over her years on the faculty, Elysse maintained an academic career as a researcher, historian, and theorist. She received 18M in NSF and other funding to study spatial perception and neuroaesthetics with active research in neuroscience and architecture, data visualization, STEM education, and histories of technology and science. More than thirty undergraduate and graduate students have worked with her. Elysse received tenure and promotion to full professor at the University of Arkansas, was named Top Scholar at FIU (2015), and was nominated for US Teacher of the Year in 2014. Elysse was a Fellow at the Max Planck Institute for History of Science in Berlin, Germany, and Visiting Assistant Professor at Washington University in St. Louis. She completed her Ph.D. in Architecture, Landscape Architecture, Planning and Urban Design, M.Phil. and M. Arch at Harvard University and was a teaching fellow at Harvard College. She has a B.Arch. and B.S. in History from the University of Texas at Austin and was a candidate for a B.F.A. in Music Theory and Composition.

EDUCATION

Ph.D.	Architecture, Landscape Architecture, Planning and Urban Design	Harvard University	2010
M. Phil.	History of Science	Harvard University	2008
M. Arch.	Architecture	Harvard University	1998
B.S.	History	University of Texas at Austin	1990
B. Arch.	Architecture	University of Texas at Austin	1989
B.F.A.	Music Theory and Composition (Candidate)	University of Texas at Austin	1989

ACADEMIC POSITIONS

Clemson University	Assoc. Dean for Research and Academic Affairs	2019-present
Clemson University	Mickel Professor	2018-present
Clemson University	Director, Institute for Intelligent Materials, Systems and Environments	2018-present
University of Arkansas	Professor, Head Dept. of Architecture	2015- 2018
Florida International University	Associate Professor of Architecture History	2011- 2015
Washington University in St. Louis	Visiting Professor	2010- 2011
Max-Planck Institute, Berlin, Ger.	Research Fellow	2008- 2009
Harvard University	Instructor	2007- 2008
Harvard University	Teaching Fellow	2004- 2007
Washington University in St. Louis	Visiting Professor	2000- 2003
University of Tennessee	Visiting Professor	1999- 2000
Washington University in St. Louis	Lecturer	1998- 1999
Harvard University	Teaching Assistant	1997- 1998

PROFESSIONAL RECOGNITION

Editorial Positions

2020-present	Executive Editor, <i>Journal of Technology, Architecture + Design</i>
2019-2020	Editorial Board Member-at-Large, <i>Journal of Technology, Architecture + Design</i>
2015-2019	Vice President, The CAAV Higher Education Campus Alliance for Advanced Visualization
2005-2008	Editorial Board Member-at-Large, <i>Journal of Architecture Education</i>

Offices in Professional Societies

2020-present	Board Member-at-Large, The CAAV Higher Education Campus Alliance for Advanced Visualization
2015-2019	Vice President, Board Member-at-Large, The CAAV Higher Education Campus Alliance for Advanced Visualization

Professional Development

2023	ACC-Academic Leaders Network Representative
2021	Mentoring and Leadership Training, Clemson
2020	Department Chairs Conflict Resolution Program
2019	Clemson Thinks 2 (CT ²) Faculty Institute

Awards

2021	Nominated as a Mellon Fellowship Junior Scholar
2021	Elected a Clemson School of Health Research, CUSHR Faculty Fellow
2019-2021	Elected Watt Innovation Fellow
2018	Elected to Tau Sigma Delta
2015	Selected as Founding Fellow, FIU STEM Institute
2014	Selected FIU Top Scholar
2013	Selected as one of two FIU representatives for the U.S. Professor of the Year Awards Program

PROFESSIONAL EXPERIENCE

Assoc. Dean for Research and Academic Affairs (Summer 2019 – Present)

- Responsible for Research and Faculty Affairs
 - Faculty: 362 faculty, all ranks
 - Centers and Institutes: 14
 - Majors: 25+ Degree Programs (105,876 Credit Hours Taught)
- Contact Associate Dean for 9 Departments and Programs: Art, Architecture, History and Geography, Philosophy and Religion, Performing Arts, English, Languages, Construction Science, Planning, and Real Estate Development. Global Black Studies Women's Leadership, World Cinema (Interdisciplinary Studies)
Responsibilities included oversight with Dean, Chairs, and Directors on personnel issues (tenure & promotion), hiring tenure-eligible faculty, regular external program reviews, internal research funding, awards, and faculty professional development.
- Major Initiatives:
 - Selected as ACC Academic Leadership Network, University Liaison
 - Developed Interdisciplinary Studies Department for College with Dean and Chairs
 - Developed College Strategic Plan 2021-26 with Dean and Chairs
 - Developed College Research F2F Information Sessions
 - Developed New Faculty Orientation Annual Series
 - Creativity Professors Roundtable Evening Discussions
 - Increased College Research Expenditures
 - Development of Teaching Effectiveness Measures
 - College liaison for Faculty Mentoring and Leadership Program
 - College liaison for Diversity, Equity, and Inclusion Hiring Practices
 - Update of Department Bylaws and TNP
 - Development of Classrooms and Labs Funding
 - Development of Coordinate College Facilities Improvements

- Developed College Research Performance Data Visualization Project
- Updated University Intellectual Properties Guidelines with IP Committee
- Developed University Out-of-State Work Policy with OSS Committee
- Developed a new Open Access Policy as part of the University Committee on Open Access for data and publications
- Re-organized Building Security Services Coordinators for college facilities
- Acting Director, Planning Design, and the Built Environment (PDBE) Ph.D. Program
- Deans Advisory Committee
- CAAH Faculty Research Development Committee
- PDBE Committee
- Graduate Admissions and Continuing Enrollment Appeals Committee
- Success Markers:
 - Research submissions increased 350% for 2022-23 over 2021-2022
 - College exceeding AY 2022-23 research submissions and expenditure goals
 - The college successfully submitted Mellon Foundation Grant, 3.4 M in addition to NSF, NEH, NEA, and IDEAS.
 - College led the University in Book Publications in 2019 - 2021

Director, Institute for Intelligent Materials, Systems and Environments (2018 – Present)

- Major Initiatives:
 - Brownbag Research Talks
 - School of Architecture Digital Ecologies Program, Director
 - Faculty Research Visit to Oakridge National Laboratory in Oakridge, TN
 - Developed Institute Website: <https://www.clemson.edu/centers-institutes/cuimse/>
 - Ad-hoc Committee, MS to Ph.D. Chair
 - TPR Committee Special Member
 - Faculty Senate, Alternate, includes service on University Research Committee.
 - Department Curriculum Committee
 - Search Committee, Director of School of Architecture Co-Chair
 - Architecture TPR Committee Co-Chair
 - Search Committee, SoA Marketing Associate
 - AIAS, Faculty Advisor
- Success Markers:
 - Publications: 35+, 2019-2022
 - Grant Submissions: 15M+
 - Grant Expenditures: 6.9M (2022-23)
 - Faculty Affiliates: 13 from 7 departments

Head of Architecture Department (2015-2018)

- Major Initiatives:
 - Developed 3-Tier Structure for the Technology Education Program
 - Developed High Density Storage for Graduates and Undergraduates
 - Directed University Technology Inventory Initiative
 - C-Chair, Ad-Hoc Committee formed by Research and Sponsored Programs for the Immersive Visualization
 - Chair, Committee for EPA College Underserved Community Partnership Program (CUPP)

Program

- Research Group, Center for Aging Research in the Environment and Services (CARES) Project coordinating the viability of a university research focus group in Healthcare and Aging. Faculty from Agriculture, Architecture, Interior Design, UAMS
- Committee for Health and Aging, Founding Members
- Committee for the EPA CUPP Program, University of Arkansas
- Committee for the Immersive Visualization, University of Arkansas
- Provost Search Committee
- Faculty Workshop Series on Grants and Technology
- Developed “Rules of Engagement,” an agreed-upon set of rules to foster collegiality during faculty meetings.
- Established Area Coordinators and Design Coordinators to facilitate management and review of the undergraduate curriculum.
- Created a bi-annual email newsletter for Professional Advisory Board in Architecture to communicate department news to board members.
- Initiated Architecture Database Project an online searchable resource for student work. website: <http://uaadp.omeka.net/>
- Developed Teaching Award Criteria and Evaluation Form
- Coordinated Core Program Assessment: learning Expectations and Outcomes
- Instituted Exit Interview procedures for graduating seniors for statistical modeling and planning.
- Organized All-School Spring Charrette First Annual Competition, *Lux ex Machina: Light Design*
- Initiated Curriculum Review for the BArch Program
- Organized a Technology Workshop Series for AEC Undergraduates
- University Campus Planning Committee, University of Arkansas

University Service: Pre-Appointment as Department Head, Florida International University

Department and Program

Director of Advanced Studies, Florida International University (2011-15)

- Initiated a new curriculum for the Master of Arts in Architecture Program
- Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant (2012-2013) Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
- Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant 2011-2012) Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
- University Graduate School Colloquium Enhancement Initiative (2012) \$3,000.00 awarded

Faculty Member of the Department of Architecture, Florida International University (2012-14)

- Faculty Advisory Committee
- Curriculum Committee, School of Architecture, Florida International University
- Lectures and Exhibitions Committee
- Search Committee, Urban Design and Preservation Research Position School of Architecture
- University Graduate School Colloquium Enhancement Initiative, \$3,000, awarded
- Master’s Project, and Thesis Committee, Department of Architecture, Florida International University
- FIU Writing Across the Curriculum Committee
- FJSoA+D Technology Committee Co-Chair
- 2015: Coordinated “3D Visualization and Science” group including GIS Center, College of

Engineering, and I-CAVE demonstration for the Frost Science Museum “Engineering and Innovation” Weekend

- Search and Screening Committee, Department of Occupational Therapy
- Master Class for the Young Arts Foundation Program, Miami (2014-2015)
- Interview Committee, Grant Writing Specialist, Staff Position at FIU, member
- FIU School of Architecture Program Vision Study, “Study of Possibilities to Enhance Cross-Disciplinary Benefits within the School of Architecture,” prepared by Assist. Prof. E. Ozer (Landscape Arch), Assoc. Prof. W. E. Newman (Arch), and Assist. Prof. S. Sherman (Int Arch)
- University Fulbright Committee
- University Carnegie-Mellon VHR Planning Committee
- Center for Sustainable Built Environments and Informatics (SBEI), School of Architecture, Engineering and Computing, and Arts & Sciences. Founding members: S. Vassigh (SAO), S-C. Chen (SCIS), W. E. Newman (SOA), N. Pala (ECE), Y. Zhou (CE), and S. Graham (SCIS). Affiliates: L. Scinto (SERC/AS), O. Abdul-Aziz (AS), X. Jin (LC), P Mozumder (AS), T. Spiegelhalter (SOA), A. Mostafavidarani (CM), Y. C. Kang (CM), C-X. (Charlie) Lin (MCE), A. Chowdury (MCE), K. Zhang (AS). Supported by Deans B. Schriener (CARTA) and A. Mirman (ECS)
- University Graduate Council, CARTA Faculty Representative, and Chair
- University Graduate Council, CARTA Faculty Representative, and Vice-Chair
- UGS Provost Award for Graduate Student Outstanding Paper or Manuscript, reader

ACADEMIC EXPERIENCE

PUBLICATIONS

ARTICLES

- Ullmer, B., W.E. Newman, M. Konkel and S. Dai (2024), “Variations on a Hexagon: Iterative Design of Interactive Cyberphysical Tokens and Constraints.” *A C M*, 1, 1 (July 2024), 19 pages, pending.
- Dai, S., B. Ullmer, W.E. Newman (2023), “MorphMatrix: A Comprehensive Toolkit Facilitations Shape-Changing Interface Design.” In Woodstock ’18: ACM Symposium on Neural Gaze Detection, June 03–05, 2018, Woodstock, NY. ACM, New York, NY, USA, 29 pages, pending.
- Newman, W.E. (2023) “Tectonics in Equipoise.” *Technology | Architecture + Design*, 7(1):1–1,1. doi.org/10.1080/24751448.2023.2176125
- Newman, W.E. (2023) “Engineering Architecture.” *Technology | Architecture + Design*, 6(2):1–1,1. doi.org/10.1080/24751448.2023.2176125
- Newman, W.E. (2022) “History’s modus operandi.” *Technology | Architecture + Design*, 6(1):1–1,1. DOI: 10.1080/24751448.2022.2040219
- Newman, W. E. (2022) Reimagining Blackness and Architecture, Review, *ARLIS/NA Multimedia & Technology Reviews*, October 2022, <https://doi.org/10.17613/ejja-fs52>
- Newman, W. E. (2021). Method, matter, practice, and procedure. *Technology | Architecture + Design*, 5(1):2–3. <https://doi.org/10.1080/24751448.2021.1863655>
- Caryn Brause, Chris Ford, Chad Kraus, Gregory Luhan, Scott Murray, Winifred Elyse Newman, Clare Olsen, Jeana Ripple, Anne-Catrin Schultz, Marci Uihlein, Julian Wang & Andrzej Zarzycki (2021) Reflections on Five Years of TAD, *Technology | Architecture + Design*, 5:2, 119-120, DOI: 10.1080/24751448.2021.1967025
- Galison, P. and Newman, W. E. (2021). Interview with Peter Galison: On method. *Technology | Architecture + Design*, 5(1):5–9. <https://doi/full/10.1080/24751448.2021.1863659>

- Newman, Winifred E. *The Basic Terms of the Map: Introducing Maps and Frame*. W. E. Newman on Maps.: SAGE Publications, Ltd., 2021. DOI: 10.4135/9781529768848.
- Newman, Winifred E. *The Basic Terms of the Map: Axes of Translation*. W. E. Newman on Maps.: SAGE Publications, Ltd., 2021. DOI: 10.4135/9781529777703.
- Newman, Winifred E. *The Basic Terms of the Map: Projection*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. DOI: 10.4135/9781529777710.
- Newman, Winifred E. *The Basic Terms of the Map: Index*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. DOI: 10.4135/9781529777727.
- Newman, Winifred E. *The Basic Terms of the Map: The Functions*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. DOI: 10.4135/9781529777734.
- Messadi, T., W. E., Newman, A. Braham, and D. Nutter (2018) Cyber-Innovation in the STEM Classroom, a Mixed Reality Approach. *Creative Education* 9, pp. 2385-2393
<https://doi.org/10.4236/ce.2018.915179>
- Newman, W. E., Phantasmata Poetica or Images as Objects of Knowledge in Early Theories of Aesthetics, *Journal of the History of Ideas*, pending
- Newman, W. E., L. Terry, and F. Bedeschi, Coding as Kernform and Kunstform, *Journal of Architecture Education*, Theme Issue 42:2019, pending
- Messadi, T., and W. E. Newman (2018) Immersive Learning of Sustainable Building Design and Construction Practices, *Journal of Civil Engineering and Architecture* 11, 841-852 DOI: 10.17265/1934-7359/2017.09.003
- Newman, W. E. (2018) Counter Re-formations of Embodiment, *Log 42: Disorienting Phenomenology*, Winter/Spring, Mar., pp. 34-36
- Newman, W. E., and S. Vassigh (2016) What Would Vitruvius Do? Re-thinking Architecture Education for the 21st Century University, *Journal of Civil Engineering and Architecture* 10, 166-174, DOI: 10.17265/1934-7359/2016.02.005
- Vassigh S., W. E. Newman, A. Mostafavi, and A. Behzadan (2015) Hybrid Technologies for Interdisciplinary Education, *J Civil Environ Eng* 5: 6, DOI: 10.4172/2165-784X.1000201
- Newman, W. E., (2014) Architecture Theory in the 19th Century, In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition
- Newman, W. E., (2014) Architecture Theory in the 20th Century. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition
- Newman, W. E., (2014) Architecture Theory in the Enlightenment. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition
- Newman, W. E., (2014) Contemporary Theory in Architecture. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition
- Vassigh, S., W. E. Newman, A. Behzadan, Y. Zhu, S-C. Chen, and S. Graham (2014) Collaborative Learning in Building Sciences Enabled by Augmented Reality. *American Journal of Civil Engineering and Architecture*, 2(2), 83-88
- Newman, W. E., Space and/or Place in Early Atlases. *Environment, Space and Place*, (ZETA Books) Published in collaboration with the International Association for the Study of Environment, Space, and Place (IASESP), Vol. 1, Fall 2014: 125-151
- Vassigh, S., Y. Zhu, W. E. Newman, Leveraging Cyber-infrastructure to Transform Building Science Education (2012) *Journal of Architecture Engineering Technology*, 1(2):2, DOI: 10.4172/2168-9717.1000105
- Newman, W. E., and A. Drisin, eds., (2007) War and Architecture, Theme Issue. *Journal of Architectural Education*, 61(3), 4-5, DOI: 10.1111/j.1531-314x.2007.00162.x
- Newman, W. E., Understanding Ordinary Perspective. *Ecumene*, 1(1): online, January 2004

PEER-REVIEWED PROCEEDINGS, PUBLICATIONS, AND REPORTS

- 2019. Newman, W.E., “The Neuroscience of Beauty and Gorillas,” 9th ESHS Conference, Visual, Material and Sensory Cultures of Science, Bologna (Italy), 31 August - 3 September 2020, *accepted not attended*
- 2019. Newman, W. E. (presenter), L. Terry, F. Bedeschi, “Baroque Rome as Algorithm: Coding History,” ACSA 107th ACSA Annual Meeting/ BLACK BOX: Articulating Architecture's Core in the Post-Digital Era, March 28-30, 2019, Pittsburgh, PA, 310-315, doi.org/10.35483/ACSA.AM.107.64
- 2018. Bafna, S. (presenter), Y. Lim, K. Maitra, W. E. Newman, and M. Shah, “The home as a therapeutic environment: Investigating the association between home spatial morphology and the neuropsychological functioning of older adult inhabitants” at the 12th International Space Syntax Symposium (12SSS), Beijing, Jiaotong University, July 8th to 13th, 2018
- 2018. Report 2, NSF-IUSE-Exploration, Strategies for Learning: Augmented Reality and Collaborative Problem-Solving for Building Science, Shahin Vassigh, PI; W. E. Newman (PI, Arkansas), Ali Mostafavi, Amir Behzadan (PI, Mississippi State)
- 2018. Newman, W. E., “Building Software,” CCA 106th Annual Conference, Los Angeles, Feb. 21-14, 2018
- 2017. Messadi, T. and W. E. Newman, paper presentation, “Immersive Learning of Sustainable Building Design and Construction Practices,” Association for the Advancement of Sustainability in Higher Education (AASHE) 42nd Conference, Houston, TX, Nov. 9-11, 2017
- 2017. Report 1, NSF-IUSE-Exploration, Strategies for Learning: Augmented Reality and Collaborative Problem-Solving for Building Science, Shahin Vassigh, PI; W. E. Newman (PI, Arkansas), Ali Mostafavi, Amir Behzadan (PI, Mississippi State)
- 2017. White Paper Report: Prepared White Paper for Research Group, Center for Aging Research in the Environment and Services (CARES) Project coordinating the viability of a university research focus group in Healthcare and Aging. Faculty from Agriculture, Architecture, Interior Design, UAMS. Co-Chairs: Phil Crandall (Agri), W.E. Newman (Arch), Jennifer Webb (IDES)
- 2017: Appropriation proposal entitled: Transportation and Maritime Analytics Partnerships (TransMAP), Heather Nachtmann, Jack Cauthron, W. E. Newman. Participating departments: Transportation Engineering, Geosciences, Architecture, and Humanities Colleges/Units: College of Engineering, Fulbright College of Arts and Sciences Fay Jones School of Architecture and Design Funding Amount: \$1M annually for UA Hub, Federal Agency: Department of Transportation
- 2014. Newman, W. E., “Virtual Humanities: I-CAVE Technology in Visual Culture,” The Study of Visual Culture in the Era of Zeros and Ones, Conference sponsored by the Art Historians of Southern California, San Diego CA, October 18, 2014
- 2014. Newman, W. E., “Early Issues in Space Perception,” Neuro-Logics: The Brain and the Experience of Architecture, University of Toronto, April 2014
- 2014. Newman, W. E., “What would Vitruvius do? Re-Thinking Architecture Education for the 21st Century,” Architecture Research Centers Consortium/EAAE 2014 International Conference, Feb. 14-19, Hawaii, Asia Pacific/USA, 2014, https://www.arcc-repository.org/repository/ARCC2014_UHawaii%20Conference%20Proceedings.pdf
- 2014. Newman, W. E., S.-C. Chen, S. Vassigh, S. Graham, K. Zhang, “Immersive Computing Environments for the Environment,” ACSA 102nd Annual Meeting, Globalizing Architecture, April 10-12, 2014, Miami, FL/USA, 2014, <https://www.acsa-arch.org/proceeding/102nd-acsa-annual-meeting-proceedings-globalizing-architecture-flows-and-disruptions/>
- 2014. Newman, W. E., “Collaborative Teaching for Stem and the Humanities in Architecture Programs: Engineering Aesthetics,” Building Technology Educators’ Society, ACSA 102nd Annual Meeting Special Focus Session: Building Technology Educators’ Society ACSA Annual Meeting in Miami, FL/USA in April 2014

- 2014. Newman, W. E., and S. Vassigh, “Sustainable Development and Interdisciplinary Education,” 2014 One Voice International Conf., May 31, Orlando, FL/USA, 2014
- 2014. Newman, W. E., “Data Visualization for Advanced Site Analysis,” 2014 Design Communication Conference, October 1-4, Atlanta GA/USA, 2014
- 2013. Newman, W. E., “Applied Mapping for Beginning Design,” E. Oskey, ed., *Actions: Making of Place*, National Conference on the Beginning Design Student 2013: 131–139, 2013
- 2013. Newman, W. E., “Putting Florida on the Map,” Florida History Society, University of Florida, May 23-16, 2013, accepted, not attended
- 2013. Newman, W. E., and S. Vassigh, “Matter as Energy,” ACE 2013, Annual International Conference on Architecture and Civil Engineering, March 18-19, 2013, Singapore, accepted not attended, blind peer review
- 2012. Newman, W. E., “Mapping as Applied Research,” in C. Jarett, K.-H. Kim, and N. Senske, editors, ARCC Architectural Research Conference - The Visibility of Research: 228–236. Architecture Research Council Consortium (ARCC), March 27-30, 2012
- 2012. Newman, W. E., “Body as Experiment, Body, and Technology: Instruments of Somaesthetics,” Center for Body, Mind, and Culture, Florida Atlantic University, January 24-25, 2013. Conference Chair Richard Shusterman
- 2012. Newman, W. E., and R. Rivera, “Atlas Mar: Advanced Interdisciplinary Studio,” in A. Aslankan, K. P. Henrique, and A. Parikh, editors, *Nature of Spatial Practice*: 102–106. Pennsylvania State University, Stuckeman School of Architecture and Landscape Architecture, Pennsylvania State University, May 2012
- 2011. Newman, W. E., *Phantasmata Poetica or Images as Objects of Knowledge in Early Theories of Aesthetics*. In R. Lederman and K. Estefan, conference organizers, *Critical Information: Mapping the Intersection of Art and Technology*. SVA School of VISUAL ARTS NY, December 2011
- 2007. Newman, W. E., “The (mostly) Mechanical Eye: Physiological Psychology and Perception of Space in the Empiricist Science of Mind,” Conference on Architecture, Technology and the Historical Subject, Ecole Supérieure, Paris, 2007
- 2006. Newman, W. E., “Collecting the World or Collections of the World: A. Ortelius, the *Theatrum Orbis Terrarum*, and G. Mercator *Atlas sive Cosmographica*,” 2nd annual Brown University Interdisciplinary Conference, April 2006
- 2000. Newman, W. E., “Space, Place and the Ideology of the Map after CIAM,” *Habitus 2000* Conference, Perth Australia, Jan. 2000, invited, not attended

BOOK CHAPTERS

- Newman, W. E., Chap., *A city that Care (Time) Forgot*. In J. J. Busquets and F. Correa, eds., *New Orleans: Strategies for a City in Soft Land*: 13–17. Harvard Graduate School of Design (GSD) (2005)
- Newman, W. E., and G. Obata Selected Projects in, *The Master Architect Series, No. 4, Hellmuth, Obata and Kassabaum: Selected and Current Works*, Images: New York (1999)

BOOK REVIEWS/ESSAYS

- Newman, W. E., Essay, “Semi-Automatic What?” for the exhibit, *Semi-Automatic*, Frank Jacobus and Marc Manack, curators and exhibit designers, Fay Jones School of Architecture + Design Gallery, Oct 21-Dec. 20, 2015
- Newman, W. E., “Nature Under Constraint: Jane Hammond’s *Natural Curiosities*,” essay commissioned by Wildwood Press for exhibition catalog of Jane Hammond works on paper, IFPDA Print Fair, New York, NY, 2010: 2-3
- Newman, W. E., “Traces and Movement.” Supported by Freies Museum Berlin, Zero Project, der Ort Galerie, December 2009: 13-17
- Newman, W. E., “Zwischen Bewegung und Bewegung: Die Fotografischen Arbeiten von Aurore

Millet.” Supported by Kunsthalle Vierseithof im Luckenwalde, 2009: 3-4

- Busquets, J., F. Correa, and W. E. Newman. “New Orleans: Redesigning a Fragile Edge.” In J. MacDonald, P. Meijerink, and M. Zogran, editors, *Studio Works 11*, Harvard Graduate School of Design, 2007: 74-75
- Newman, W. E., Book review for Edward S. Casey, *Representing Place: Landscape Painting and Maps*, Minneapolis: University of Minnesota Press, 2002. CAA. Reviews, DOI: 10.3202/caa.reviews.2005.58, October 2005
- Newman, W. E., “Museum in Torcello,” in Harvard University Graduate School of Design, S. Jovanovic, editor, *Studio Works 6*. Princeton Architectural Press, 1999: 88-89
- Newman, W. E., “Mediatheque,” in Harvard University Graduate School of Design, M. Smith, editor, *Studio Works 5*. Princeton Architectural Press, 1998: 78-79
- Newman, W. E., “Body, Self and Other.” In S. Jovanovic-Weiss, editor, *Paratactics*, vol. 1, Harvard Graduate School of Design (GSD), 1997: 13-17

BOOKS

- Newman, W. E., ***Data Visualization for Designers: Applied Mapping***, published July 2017. The book teaches methods for making maps starting from theories of mapmaking to examples of data visualization used across multiple disciplines—mapping structures complex relationships between representation and thinking. Samples are available on the website: <http://appliedmapping.fiu.edu>.
- Newman, W. E., ***Imaginative Beholding: Representation, Modernism and Aesthetics in Visual Culture***, under consideration with the University of Pittsburgh Press. The book asks why art becomes modern at the turn of the nineteenth century. The book posits that the emerging discipline of psychology in Germany impelled the emergence of new models of mind and constructed the modern subject. The book received funding through the Graham Foundation Grant (\$6,000). Proposal pending with publisher.
- Newman, W. E., and S. Vassigh. ***Engineering Aesthetics***, under contract with Routledge. Funded through Cejas Family Foundation Research Award, 2012-2013 and 2013-2014. The book addresses the history of technology in the building sciences considering the history of the theory of structures in the 19th century about the types of systems developed in the 20th century. The book includes fundamental engineering analysis and structural diagrams in an interactive DVD to augment written examples.

INVITED PAPERS/LECTURES/TALKS

- Plenary Speaker, 2023 International Forum on Infrastructure and Civil Engineering, “Intelligent Systems and Materials in Architecture Design and Construction,” Feb. 6-8, 2023, Porto, Portugal and online
- Talk, Engineering and Science Education Fall Seminar Series, “Immersive Learning in the STEM Disciplines,” College of Engineering and Computer Science, Clemson, Oct. 7, 2022
- Presentation, Georgia Tech School of Architecture, “Architecture of Perception,” Pecha Kucha Talk, Apr. 28, 2022
- Plenary Talk, 2022 Global Webinar on Civil, Architectural & Environmental Engineering, “Recent outcomes of Digital Ecologies in AEC,” Oct. 22, 2022, Kolkata, India and online
- Invited Speaker, National Institute of Building Sciences, “Research and Academia,” Sept. 28, 2022
- Plenary Speaker, 2022 Infrastructure and Civil Engineering World Forum, “Computational Thinking in Architecture Design and Construction,” Mar. 21-22, 2022, online
- Opening Remarks, 2022 11th International Conference on Educational and Information Technology (ICEIT 2022), Jan. 6-8, 2022, Chengdu, China, online
- Plenary Speaker, International Conference on Civil, Structural and Environmental Engineering (ICCSEE), “Intelligent Building Design and Systems,” Mar. 10-11, 2022, online

- Plenary Speaker, 2021 Global Webinar on Civil, Architectural & Environmental Engineering, “Intelligent systems and Environments in Architecture Design and Construction,” Dec. 18, 2021, Kolkata, India, online
- Invited Speaker, 2021 Rocky Mountain Advanced Computing Consortium (RMAACC), “Digital Therapeutics and Responsive Design,” May 19-29, 2021
- Invited Speaker, 2021 Carolina Center on Alzheimer’s Disease and Minority Research (CCADMR) Research Education Seminar, “Aging and Technology,” March 5, 2021
- Keynote Speaker and Technical Committee, 2021 10th International Conference on Educational and Information Technology (ICEIT 2021), “The Medium is the Message,” Jan. 18-19, Chengdu, China (online)
- Invited Speaker, 2021 Session moderator, “Do not try to remember.” Pedagogy in Transition, University of Oklahoma (OU) Christopher C. Gibbs College of Architecture, “Schools of Thought: Rethinking Architectural Pedagogy,” from March 5-7, 2020, Fred Jones Jr. Museum of Art, University of Oklahoma Campus, Norman, Oklahoma.
- Session workshop presenter, “Defining your Research,” Sponsored by TAD: Technology | Architecture + Design, ACSA 2020
- Publicity Co-Chair and Technical Committee for the 2020 9th International Conference on Educational and Information Technology (ICEIT 2020) Feb. 11-13, 2020, St. Anne’s College, University of Oxford, United Kingdom
- Panel moderator, Fourth Annual CAAV Conference, Oct. 14-17, 2019, University of Indiana, Bloomington, IN
- Plenary speaker, International Conference on Infrastructure and Construction, Oct. 9-11, Dubai, UAE, 2019, Title: Building Software and Big Data: Thoughts on the Future of the Building Practices
- Talk, Watt Fellows Program Clemson University, Sept. 2019 Title: Mapping as Hypothesis Making
- Public Lecture, I-SENSE | Institute for Sensing and Embedded Network Systems Engineering, Florida Atlantic University, Boca Raton, FL., April 18, 2019, Title: Real-World, Virtual Performance
- Keynote Speaker and Technical Committee, 2019 8th International Conference on Educational and Information Technology (ICEIT 2019), “Culture of Learning Technology,” March 2-4, 2019, University of Cambridge, Trinity College, Cambridge, UK.
- Invited Panelist/Speaker, Research Challenges in Immersive Visualization, 3rd Annual Higher Education Campus Alliance for Advanced Visualization (CAAV) Conference, Philadelphia, PA, Villanova University, 5-7th November 2018
- Presentation, Newman, W.E., Bafna, S., and K. Maitra, “Home as Health Intervention,” Academy of Neuroscience and Architecture, Sept. 20-22, 2018, Salk Institute for Biological Studies, La Jolla, CA
- Invited Speaker, Clemson University PDBE Colloquium, Sept. 7, 2018, Title: Mapping as Synecdoche in Research
- Public Lecture, Christopher C. Gibbs College of Architecture, Oklahoma University, Norman, OK, School of Architecture, Mar. 21, 2018, Title: Applied Mapping for Design Thinking
- Public Lecture, Arizona State University, Tempe, AZ, Mar. 19, 2018, Title: Architecture Education 2030 or What would Vitruvius Do?
- Public Lecture, School of Architecture, Clemson University, Clemson, SC, Feb. 20, 2018, Title: What is a Building?
- Talk, Univ of Arkansas Rome Center, Rome, Italy, Sp. 2018, Title: Mapping and Design Thinking
- Public Lecture, Missouri Historical Society Jefferson Award in honor of Gyo Obata, coordinated with public education event for K-12 schools in St. Louis, St. Louis, MO, Nov. 2-3, 2017, Title: “I was thinking....”
- Invited Speaker, University of Arkansas GIS Day, Nov. 16, 2016, Title: Data Visualization: Organizing the Map v.02
- Invited Speaker, Colorado State University, Virtual Reality Symposium, Oct. 21, Ft. Collins, CO,

2016, Title: Mixed Reality in Design and Academics

- Keynote Address, Title: New (Old) Directions in Computer Augmented Virtual Reality, First Annual CAAV Conference, 2016, Denver, CO,
- Poster: Mapping Space to Map Spatial Perception for Healthy Living, Neuroscience Research Symposium, University of Arkansas, 2015
- ACSA Webinar for Fay Jones School of Architecture and Design, Fall 2016. Webinar abstract: Fay Jones School of Architecture + Design: A Culture of Making
- Invited panelist, Human Sensation, “Mapping Space to Map Spatial Perception for Healthy Living,” Society for Brain Mapping and Therapeutics, 13th World Congress, 8-10 April 2016, Miami, FL
- Invited Speaker, University of Arkansas GIS Day, Nov. 18, 2015, Title: Data Visualization: Organizing the Map
- Public Lecture, Architecture and Design Network Lecture Series, Little Rock, AR, Dec. 8, 2015, Title: New (Old) Directions in Architecture
- Invited speaker, University of Chicago’s NEURO (Neuroscience Education, University Research and Outreach) Club, Oct. 24, 2016, Title: Your Brain on Your House: Neuroaesthetics and Ecological Psychology
- Public Lecture, FIU School of Architecture Lecture Series, Jan 19, 2012, Title: Architecture and Technology
- Public lecture, University of Miami GIS Department Symposium, January 12, 2012, Title: Problems in Applied Mapping
- Public Lecture, FIU Spring Design Charrette, 2012, 2013, Title: Introduction to Mapping
- Invited speaker, FIU First Year Design, 2012, 2013, Title: Mapping Basics
- Public Lecture, University of Nebraska, 2011, Title: New Directions in the History and Theory of Architecture
- Public Lecture, University of Wisconsin, Milwaukee, 2011, Title: New Directions in the History and Theory of Architecture
- Public Lecture, Technion University, Haifa Israel, 2011, Title: New Directions in the History and Theory of Architecture
- Public Address, North Carolina State University, 2011, Title: New Directions in the History and Theory of Architecture
- Public Address, Florida International University, 2011, Title: New Directions in the History and Theory of Architecture
- Talk, Washington University in St. Louis, St. Louis, Missouri, 2010, Title: Kites, Cars and Turtles and Lightweight Fabrication
- Public Lecture, Washington University in St. Louis, 2010, Title: *Perspectiva Artificialis*: Architecture and Technology
- Talk, Washington University in St. Louis, St. Louis, Missouri, 2010, Title: The Thickness of Technology: Fortifications of Vauban
- Invited Speaker, History Department Colloquium, Washington University in St. Louis, St. Louis, Missouri/USA, 2010, Title: Panorama as Symptom and Dream: European Urban Representations of the Industrial Age

ARTICLES/REVIEWS/NEWSPAPER ARTICLES

- Clemson Newsstand, “Preparing PPE for health providers and first responders; leveraging Clemson’s talent pool and resources,” May 27, 2020
- The University of Arkansas Showcases Neuroscience Research, University of Arkansas News, Monday, August 8, 2016
- Interview, “Inventing (and Exploring) Fuller,” KUAF, <http://kuaf.com/post/inventing-and-exploring-fuller#stream/0>, Interview on the work and influence of Buckminster Fuller as part of the Fuller

Exhibit at the University of Arkansas campus, 2015

- Interview, BeachedMiami, <http://www.beachedmiami.com/2012/02/06/midtown-walmart-art-fairs/>, online newspaper. Comments addressing issues related to proposed retail development in the Miami Midtown Development District, 2012

EXHIBITIONS AND RESEARCH POSTERS

- 2017. AASHE Conference, poster, “Cyber-Innovation in the STEM Classroom,” NSF-IUSE research project, Collaborative Learning using Augmented Reality, San Antonio, TX
- 2017. Exhibit, Material Spaces, sUgAr Gallery, Fayetteville, AR. A curated exhibit of student work from the Fay Jones School of Architecture + Design, Mar. 9 – Apr. 15, Fayetteville, AR
- 2017. Poster “Data Analytics and Visualization Across the Disciplines,” Drs. Newman and Maitra, submitted for Research Showcase: Data Analytics, Apr. 10, University of Arkansas Office of Research and Sponsored Projects, University of Arkansas, Fayetteville, AR
- 2016. Poster “Mapping Space to Map Spatial Perception for Health Living” submitted for Research Showcase: Brain Research and Neuroscience, Mar. 1, University of Arkansas Office of Research and Sponsored Projects, University of Arkansas, Fayetteville, AR
- 2016. Exhibit, Inventing Fuller, Fay Jones School of Architecture + Design Exhibition Gallery. A curated exhibit of Buckminster Fuller’s original lithographs, sculptures, and sketches. Feb. 1-March 15, Fayetteville, AR
- 2013. Exhibit, Spring MAA Show, April 26-May 3, 2013, Miami Beach Urban Studios Gallery. An organized and curated exhibit of Master of Arts in Architecture student research work. This is an annual exhibit established in the first year of the revised MAA program to disseminate the in-progress work of current MAA students in the FIU SoA, Miami, FL
- 2013. Exhibit, FACULTY WORK, Miami Beach Urban Studio’s Main Gallery, curated by Nikolai Nedev, FIU, Miami, FL
- 2012. Exhibit, Synthetic Ideologies: The Post-War Architecture Machine, BEA Gallery, School of Architecture, Florida International University. April 16-June 1, W. E. Newman, Curator, V. Nahon, Asst. Curator. The exhibit includes the work of graduate students in the advanced theory of design courses in the SOA at FIU by W. E. Newman, Fall 2011. Exhibit book, entitled Synthetic Ideologies, pub. 2012
- 2010. Exhibit, Window–Zoom/Capture: The Landscapes of Patty Heyda, Curator, Art St. Louis Gallery, March 20-April 19, St. Louis, St. Louis, MO
- 2010. Exhibit, Applied Mapping, curator, Steinberg Gallery, April 15-March 2, 2010, Sam Fox School of Art and Design, Washington Univ. in St. Louis, St. Louis, MO
- 2010. Exhibit, Architecture in Detail: Case Studies in 20th-century Architecture, curator, Givens Gallery, Feb. 3-25, Sam Fox School of Art and Design, Washington Univ. in St. Louis, St. Louis, MO
- 2008. Exhibit, Transparency, curator E. Blau, Harvard University Graduate School of Design, W. E. Newman, Research Fellow, exhibit scheduled not completed, Busch-Reisinger Museum, Harvard University, Cambridge, MA
- 2004. Exhibit, Design/Recline: Modern Architecture and the Mid-Century Chaise Lounge, featured works by Le Corbusier, Ludwig Mies van der Rohe, Marcel Breuer, Alvar Aalto, and Charles and Ray Eames, exhibit curator R. Schuldenfrei, Busch-Reisinger Museum, Harvard University, March 20-July 11, 2004, exhibit talks, W. E. Newman, Cambridge, MA
- 2003. Exhibit, Hyper-Space: The Queens Plaza Competition 2003, work of W. E. Newman and FieldOffice, LLC, Givens Hall, Washington University in St. Louis, St. Louis, MO
- 2002. Exhibit, Living Box I, curator, includes exhibit publication: Living Box I, Studio Work, Givens Hall Gallery, Feb. 14- March 16, Washington University in St. Louis, 2002, St. Louis, MO

FUNDED CONFERENCES

- 2020. Organizer, the Campus Alliance for Advanced Visualization (CAAV) 5th Annual Conference, ONLINE at Clemson University, co-sponsored by the Watt Family Center for Innovation, collaborators: Barbara Spaziale, Tullen Burns, Nate Newsome. <https://caavcon.com/>;
- 2020. Organizer, Academy of Neuroscience in Architecture (ANFA) Colloquium: “Spatial Cognition and Design,” Mar. 30, 2020, Clemson University, Clemson, SC, postponed due to COVID-19 until Spring 2021
- 2020. Co-organizer with Pat Layton, CUWID, “10 Big Ideas in Building Research,” Symposium, Apr. 28, 2020, Clemson University, Clemson, SC, postponed due to COVID-19 for Spring 2021
- 2014. Cejas Symposium: Building 2050, Co-organizer Nick Gelpi, sponsored by the Cejas Foundation Grant FIU, Spring 2015
- 2006. Founder and organizer, CAMBRIDGE TALKS. Cambridge Talks is an annual spring conference sponsored by the Ph.D. The Architecture, Landscape Architecture, and Urban Planning program at Harvard University is dedicated to exploring interdisciplinary topics that engage space issues. The first conference in the series, “Cambridge Talks 01: Politics and History of Architecture,” Oct. 2006
- 2003-2007. Organizer, Doctoral Invited Lecture Series, sponsored by the Ph.D. Program in Architecture, Landscape Architecture, and Urban Planning at Harvard University

RESEARCH

In-Progress

- 2021: Prisma Health Transformative Seed Grant Program: Everyday Function Application, PI: Lesley Ross (Cog. Psy.) Co-PIs: W. Newman (Arch), Paige Rodeghero (Cog. Psy.), Alyssa Gamaldo (CS), Alain Litwin (MD), \$10,000, *ongoing*
- 2020: CU-SEED-Tier #2: Mapping Visual Stimulus Complexity & Spatial Navigation: Factors that Change with Age, PI: W. Newman, Co-PI: Kaileigh Bryne (Cog. Psy.), \$10,000, *ongoing*
- Executive Editor, *Journal for Technology Architecture + Design | TAD*
- 2018-present. Georgia State University FIPE grant for the project, “Influence of Spatial Configurations of Home Environments on Mobility among Older Adults across Cultures,” \$30,000, *ongoing*
- 2021: USDA, A9201 - Sustainable Agricultural Intensification (Land Stewardship), Identifying Conservation Priority Areas (icon) in the Southern United States to Ensure the Supply of Roundwood for New Market Opportunities & Safeguard Ecosystem Services, PI: P. Dwivedi, Co-PIs (Clemson): Pat Layton, W. Pan, P. Khanal, D. Albright, W. Newman, \$14.6M, *pending*
- 2019: South Carolina Health Stat-Map, a statistical profile aggregated from existing data describing South Carolinians and their unique health and wellness concerns using machine learning or AI and GIS software to create an interactive map of existing data as an analytical support tool to promote more efficient and effective health planning. Participants: W. E. Newman (Arch), Caitlin Torrence (Health Sci), D. Hudson Smith (Watt), Elham Masoomkhah (GIS), Evan Phelps (SC Clinical Data Warehouse), support from Clemson Youth Learning Institute, Office of Research and Organizational Development and Watt Fellow’s Program, *ongoing*

FUNDED RESEARCH

- 2021: ACCelerate Creativity and Innovation Festival 2022, Smithsonian Museum of American History, Washington, DC: selected to represent Clemson. The project, “Ferntor: Fargates between People, Places, and Events,” in collaboration with Brygg Ullmer (CS) and Miriam Konkel (Microbiology), is an extension of the NSF MRI “Enodia” project.
- 2020: CU FELLOWS: Strengthening the intersection of technology and successful aging: An application to hire an Associate Research Professor, PI: Lesley Ross, Co-PIs W. Newman, *funded*

- 2017: NSF-IUSE-Exploration, Strategies for Learning: Augmented Reality and Collaborative Problem-Solving for Building Science, Shahin Vassigh, PI; W. E. Newman (PI, Arkansas), Ali Mostafavi, Amir Behzadan (PI, Mississippi State), Co-PIs, \$217,695
- 2015: Research Funds from RSSP University of Arkansas, Awarded to Dr. Newman, July 2015-July, 2018, \$275,000
- 2016: Urban Development Study, City of Hot Springs, PI, Winifred E. Newman; Co-PIS, Carl Matthews, Ken McCown, Dr. Ethel Goodstein, Greg Herman, \$30,000, funded
- 2015: FIU SCIS-DoD/CREST, Center for Environmental Aquatic Chemistry & Ecotoxicology (CEACE), Todd Cowl, PI; Co-PIs from engineering, social science, science, and computer science; W. E. Newman, Sr. Investigator, \$25,000,000
- 2015: FIU Technology Fee, Computer Augmented Immersive Environment: A Dynamic Educational Instrument, PI/PD Winifred E. Newman (SOA), Team: Scott Graham (CS), Steve Luis (CS), Eric Johnson (CS), Mike Kirgen (UTS/HPC), Shu-Ching Chen (CS), Nezih Pala (ECS), \$305,000
- 2014: FIU Technology Fee, Computer Augmented Immersive Environment: A Dynamic Educational Instrument, PI/PD Winifred E. Newman (SOA), Team: Scott Graham (CS), Steve Luis (CS), Eric Johnson (CS), Mike Kirgen (UTS/HPC), Shu-Ching Chen (CS), Nezih Pala (ECS), \$502,365
- 2013: District 11: Strategic Development Plan, DoR Award #: 800003393, PI/PD W. E. Newman (SoA), Co-PIs: X. Jin (ENG), E. Murray (Center for Metropolitan Studies), R. Rovira (SoA-LA), Sr. Investigators J. Chandler, T. Spiegelhalter (SoA), \$95,678
- 2013: US DOT-TIGER 9/5/13, UniversityCity Prosperity Project, Institutional Lead: SVP&CFO K. Jessell, PI: N. Rishe, Lead Facilitator: T. Gustafson, Co-PIs: S. S. Iyengar (CSI), M. Hadi (ENG), A. Drisin (CARTA), W. E Newman (CARTA-SoA), N. Prabakar (Bus), P. Mozumder (AS), C. Lisetti, R. Rovira (SoA-LA), J. Acuna (Med), E. Murray (Met Center), S. Graham (CSI), J-H. Kim (ENG), A. Azizinamini (Eng), N. Szeinblum, F. Alonso, : \$11,397,120, <http://cake.fiu.edu/TIGER2013/>
- 2013: TIGER UniversityCity Prosperity Project, Project Impact Analysis, part of the UniversityCity Evaluation Group (UCEG): D. Davis (I/UCRC-CAKE), T. Gustafson, P. Mozumder (IHRC Lab for Soc Sci Res), P. Harlem, D. Gann (GISRS Lab), E. Murray, M. Ilcheva, J. Webb (Met Center), P. Stoddard (Bio Sci), J. Acuna (College of Med), A. Gorelick (Honors College), L. Scinto (SERC), K. Zhang (IHRC Lab for Coastal Research), G. Tachiev (Applied Research Center), W. E Newman (CARTA-SoA),: \$368,000 (part of DOT: TIGER-2013)
- 2014: Cejas Family Foundation Research Award, Florida International University, \$2,350
- 2013: Cejas Family Foundation Research Award, Florida International University, \$2,000
- 2012: Wolfsonian-FIU Research Grant (Humanities), Wolfsonian-FIU, \$5,000
- 2011: Graham Foundation for the Advancement of the Arts Grant for Research to Individuals, \$5,000
- 2011-2012: An Open-Source Integrated Computing Infrastructure to Support the Life Cycle Design and Engineering of High-Performance Buildings. Competitive FIU-CEC Seed Grant Award: – Case Study FIU-SIPA campus building. Interdisciplinary Research FIU. Co-PIs; Y. Zhu (CM); S-C. Chen (SCIS); S. Graham (SCIS), S. Luis (SCIS), N. Pala (ECE); S. Vassigh (SOA), T. Spiegelhalter (SOA) and W. E. Newman (SOA), \$30,000
- 2001-2003: University of Tennessee Reagan Fund Grant, Co-PI/PD W. E Newman and A. Drisin, \$4,500
- 2001-2003: Washington University Visual Arts and Design Center Grant, Co-PI/PD W. E. Newman and L. Stouffer, \$3,500

GRANT PROPOSALS

- 2022: NSF MRI Track 1: Development of “Wakti: A Highly Reconfigurable, Cluster-backed, Tangibles and Computational Materials Enabled Instrument for Collaborative Interactive Visualization, PI: Brygg Ullmer, Co-PIs: W. Newman, Miriam Konkel, Kim Joon-Hoon, \$1.4M, *pending*

- 2022: NEA “Our Town”: W.E. Newman (PI), Co-PIs: Brygg Ullmer (CS), Miriam Konkell (Microbiology), Sida Dai (CS), Shan Sutherland (Arch), \$150,000, *pending*
- 2020: ACL Mental Health CHALLENGE, PaAT: Personal artificial AssisTant: An Online Personal Concierge, PI: W.E. Newman, Co-PIs, Cheryl Dye, Kelly Caine (CS), Ye Luo (Soc.), Kapil Mandathil (Eng), Kaileigh Byrne (Cog. Psy), Brodrick Stigall (CS), Phase 1, \$150,000
- 2019: NIH PAR-18-645 Infrastructure support for Engaged Aging, PI: Cheryl Dye, Co-PIs, Kaileigh Byrne (Cog. Psy), W. E. Newman (Arch), Kapil Mandathil (Eng), Ye Luo (Soc.) \$1,799,167.00
- 2019: NIH Par-45, Infrastructure Support for Research Optimizing Cognitive and Physical Functioning of Rural, Older Adults, PI: Dr. Cheryl Dye (Health Sci), Co-PIs: Drs. W. E. Newman (Arch), Kaileigh Byrne (Psy), Ye Luo (Soc), Kapil Madathil (Eng), \$1,799,167.00, *pending*
- 2019: AFAR (American Federation for Aging Research), U. S. NAM Catalyst Award Competition Health Longevity Global Grand Challenge, WALK-IT: Wearable Augmented Living Kit Intelligent Intervention for Home Environment to Prevent Fall, PI: Cheryl Dye, Co-PIs, Kaileigh Byrne (Cog. Psy), W. E. Newman (Arch), Kapil Mandathil (Eng), Ye Luo (Soc.)
- 2019: Transformative Seed Grant, DESIGN FOR USE: U-Rest PROOF of CONCEPT ASSESSMENT OF WHEELCHAIR IMPROVEMENTS APPLYING USERS’ PSYCHO-SOCIAL EXPERIENCE AND HAPTIC MODELING, PIs Drs. W. E. Newman (Clem) and Suzanne Swedberg (Prisma), Co-PIs: Timothy Shan Sutherland (Clem), Dr. George Schafer (Clem), Dr. Kinsuk Maitra (GSU), Michelle Huskamp (Prisma), \$20,000
- 2019. Clemson Transformative Seed Grant. Experience, PIs Drs. W. E. Newman (Clem) and Suzanne Swedberg (Prisma), Co-PIs: Timothy Shan Sutherland (Clem), Dr. George Schafer (Clem), Dr. Kinsuk Maitra (GSU), \$20,000
- 2018: NSF Research Concept Outline, C-Accel Pilot - Track A1 (Open Knowledge Network): CREATED: Coupling Research and Education to Accelerate Discovery of Open Knowledge Networks, Kuang-Ching Wang, D. Hudson Smith, Brygg Ullmer, Winifred E. Newman, Kapil Chalil Madathil, Nathan Newsome, Amy Apon, Cole Smith, Todd Marek, David White, Alex Feltus, Miriam Konkell, M.D., Venkat Krovi, Jerome McClendon, Ronald Gimbel, Khoa Truong., Scott Mason, Jeffrey Fine, not forwarded
- 2018: NSF - MyPATH: Harnessing Rich Data in the University for Goal-driven STEM Education and Accelerated Discovery, PI Dr. Kuang-Ching (KC), Co-PIs: Dr. Bridget Trogden, Dr. Marisa Orr, Dr. Winifred E. Newman, Dr. Marissa Shuffler, Dr. Barbara Speziale, Dr. Claire Dancz, Cora Allard, Dr. Carl Baum, Dr. Matthew Boyer, Troy Nunamaker, \$3,800,000
- 2017: DCIC, Univ of Arkansas, TEAM up for STEAM-H: To increase vitality, educational success, and better community health, Dr. Shilpa Iyer (Bio Sci), PI; Drs. Gary Prinz (Civ Eng), Raj Rao (Bio Eng), Winifred E. Newman (Arch), and Prof. Frank Jacobus (Arch), Co-PIs, \$150,000
- 2017: DCIC, Univ of Arkansas, Cognitive Mapping in Ancient Pompeii (CMAP), Dr. David Fredrick (Hum), PI; Drs. Winifred E Newman (Arch), John Gauch (C Sci), Jeff Murray (Geo Sci), Rhodora Vennarucci (Hum) and Francesco Bedeschi (Rome Center), Co-PIs, \$147,175
- 2017: DCIC, Univ of Arkansas, Enhancing and Broadening Collaborative Student Learning through Augmented Reality, Dr. Andrew Braham (Civ Eng), PI; Drs. Tahar Messadi (Arch), Winifred E. Newman (Arch) and Darin W. Nutter (Mech Eng), Mr. Mike Johnson (Dir. FM), Co-PIs, \$151,411
- 2017: DCIC, Univ of AR, Collaborative Training Research—Mixed Reality and Motion Capture Training Platform, Dr. Philip Crandall (Agri), PI; Drs. Winifred E. Newman (Arch), Jeff Clark (Agri), Tara Dryer (Global Campus), Sim Harbor (Eng), Han-Seok Seo (Food Sci.), Co-PIs, \$156,000
- 2017: DCIC, Univ of AR, Arkansas CARES: Collaborative Aging Research and Education Strategies, PIs: Dr. Jennifer Webb (Int Des), Drs. Winifred E. Newman (Arch), Michelle Gray (HHS), Tim Killian (Hum. Env Sci), Aubrey Weymiller (Nursing), Philip Crandall (Agri), Co-PIs, \$148,819
- 2015: Microsoft Hololens Grant: Using Hololens-based Augmented Reality in Next-Generation Building Information Management, David Fredrick (PI), Rhodora Vennarucci (Co-PI), Winifred E. Newman (Co-PI), Rebecca Benefiel (Co-PI), \$160,000

- 2015: Microsoft Hololens Grant: Teaching Teachers: Using Hololens in Education, Winifred E. Newman (PI), John C. Pijanowski (Co-PI), \$149,000
- 2015: Microsoft Hololens Grant: The Archaeology of Spatial Cognition: Through the Hololens toward Holistic Cognitive Geography in Pompeii, David Fredrick (PI), Winifred E. Newman (Co-PI), Rhodora Vennarucci (Co-PI), \$189,000
- 2014: NSF-CRI, II-NEW, Distributed Multi-Layer Research Infrastructure for Disaster Information Management, Shu-Ching Chen, PI; Jason Lu, Winifred E. Newman, Xudong He, Tao Li, Co-PIs, \$750,000
- NSF-IUSE-Exploration, Strategies for Learning: Augmented Reality and Collaborative Problem-Solving for Building Science, Shahin Vassigh, PI; Winifred E. Newman, Ali Mostafavi, Amir Behzadan, Co-PIs, \$217,695, awarded
- NCARB: Collaborative Learning for Sustainable and Resilient Building Design Enabled by Augmented Reality, Winifred E. Newman, and Shahin Vassigh Co-PIs, \$35,000
- NIH-R-21R21 Grant-PA-14-159: Translational Research to Help Older Adults Maintain their Health and Independence in the Community (R21), Multi-sensory Perception in Post-stroke Patient Groups. Grant for cognitive disabilities studies with post-stroke patients. Co-PIs: K. Maitra, W. E. Newman
- NRT-14-458 NRT-DESE: Green STEM Academy: A Data-Driven Interdisciplinary Approach to Graduate Education for a Sustainable Built Environment. NRT Data-enabled Science and Engineering program, PI/PD S-C. Chen, Co-PIs: S. Vassigh, S. Crowl, W. E. Newman, \$2,999,604
- 2014: District 11: Strategic Communication Study, PI: Winifred E. Newman, Co-PI: Carlos Parras (Business), Kevin Greiner (MET Center/CARTA), \$35,000
- Urban Design Corridor Study at Hallandale Blvd., Hallandale, FL, a joint proposal with Metropolitan Center, PI: E. Murray, Co-PI: W. E. Newman, \$29,000
- 2013-2016: US DOT-TIGER UniversityCity Prosperity Project, Institutional Lead: SVP&CFO K. Jessell, PI: N. Rishe, Lead Facilitator: T. Gustafson, Co-PIs: S. S. Iyengar (CSI), M. Hadi (Eng), A. Drisin (CARTA), W. E. Newman (CARTA-SoA), N. Prabakar (Bus), P. Mozumder (AS), C. Lisetti, R. Rovira (CARTA-LA), J. Acuna (Med), E. Murray (Met Center), S. Graham (CSI), J.-H. Kim (Eng), A. Azizinamini (Eng), N. Szeinblum, F. Alonso, 9/5/13, \$11,397,120, <http://cake.fiu.edu/TIGER2013/>
- 2014-2017: NIST-CR-COE-01 Community Resilience Center of Excellence Program, National Institute of Standards and Technology (NIST) Department of Commerce (DoC), Community Resilience Center of Excellence Program, PI: Shu-Ching Chen, Co-PIs: Jason Lu, Xudong He, Winifred E. Newman, Sr. Investigator, \$400,000
- DoD CoE (Centers of Excellence) Program: BAA RIK-2014-0008, Center for Excellence in Data Analytics, PI: Shu-Ching Chen (SCIS); Co-PIs: Tao Li (SCIS), Xudong He (SCIS), Jason Liu (SCIS), Shahin Vassigh (ARC), Winifred E. Newman (ARC), \$1.2M
- 2014: NSF Cyberlearning EXP: Collaborative Learning in Building Sciences Enabled by Augmented Reality, PI/PD S. Vassigh, Co-PIs: W. E Newman, Y. Zhu, S-C. Chen, A. Behzadan (University of Central Florida), \$400,000
- 2014: Knight Foundation Grant, Community Design Practice: Cultivating Public Space & Place, PI: A. Drisin, Co-PIs: W. E. Newman, D. Rifkind, \$125,000
- 2014: US ArtPlace, Miami ArtsCity Design Practice, PI: A. Drisin, Co-PIs: J. Chandler, B. Schriener, R. Rovira, W. E. Newman, N. Nedev, \$359,850,000
- 2014: I/UCRC NSF Industry-University Cooperative Research Center for Advanced Knowledge Enablement at Florida International and Atlantic Universities and Dubna International University, Research Topic Presentation at IAB Meeting: “Augmented Reality for Disaster Relief: Multiplayer Virtual Maps,” PI/PD: W. E. Newman, \$50,000
- 2014: National Endowment for the Humanities Summer Stipends, selected as one of two professors at FIU to submit. Requested support for book project: Imaginative beholding: Physiological psychology and the discourse on representation in fin-de-siècle Germany, \$6,000 (selected again for 2014)

- 2014: US Dept. of Housing & Urban Development (HUD), South Florida Civic Design Lab (SOFLO CIVLAB), PI: A. Drisin, Co-PI: C. Rosales, T. Spiegelhalter, participating faculty: J. Chandler, W. E. Newman, M. Benjamin, G. Read, R. Rovira, N. Nedev, E. Cardona, \$1,361,000
- 2012-present: FIU Center Proposal, Center for Sustainable Built Environment, and Informatics (SBEI), an effort organized by an interdisciplinary group of professors from Architecture, Engineering, Construction Management, Computer Sciences, and Arts & Sciences. Includes the following core faculty: S. Vassigh, S-C. Chen, W. E. Newman, S. Graham, L. Scinto, N. Pala, O. Abdul-Aziz, X. Jin, P. Mozumder, T. Spiegelhalter, A. Mostafavidarani, Y. C. Kang, C-X. (Charlie) Lin, A. Chowdury, K. Zhang. Supported by Deans B. Schriener and A. Mirman.
- 2012: FIU Seed Grant, Basic Behavioral Research on Multi-Sensory Processing in a Context-based Approach to Movement in Post-stroke Patients, Co-PI/PD W. E. Newman (Arch), K. Maitra (OTH), \$30,000
2013: NSF Proposal Number 1229589: "MRI: Development of an Integrated Platform for Real-time Energy Data, Management, and Immersive Simulated Building Environment Modeling." CNS - MAJOR RESEARCH INSTRUMENTATION, PI/PD: W. E. Newman, Co-PIs: S. Vassigh, T. Spiegelhalter, S. Graham, N. Pala. 02/28/2012, \$922,028
- 2013: NSF RIGEE #134081: Interdisciplinary Game for Fostering Learning and Innovation in Sustainable Building Design and Engineering, PI/PD: S. Vassigh, Co-PIs: Y. Zhu, W. E Newman, C-X. (Charlie) Lin, \$521,000
- 2012: NSF MRI 1229589-SI2-SSI: Collaborative Research: Constraint Driven Software Framework for Research and Education of Integrative Building Design and Engineering. FIU Limited Submission, PI/PD: W. E. Newman. Co-PI's: T. Spiegelhalter, S. Vassigh, N. Pala, S. Graham, and S-C. Chen. Sr. Investigator: S. S. Iyengar, S. Luis, Y. Zhu, Y. C. Kang, C-X. (Charlie) Lin, \$1,250,186
- 2012: NSF Proposal Number 1227615: Collaborative Research: Leveraging Cyber-infrastructure to Transform Building Science Education, FIU-PI: Prof. Shahin Vassigh. FIU Co-PI's: W. E. Newman, S-C. Chen, Y. Zhu, S. Luis; CMU-PI: R. Krishnamurti; FIU-Sr. Investigators: T. Spiegelhalter, S. Graham; Consultant: G. Bitsuawmlak; FIU-Evaluator: D. Wright; Education-Evaluator, Arizona State University: S. Potts; Advisory Committee: A. Drisin, R. Hayes, A. Mirmiran. : \$1,205,640
- 2012: Tech Fee Grant, FIU, Co-PIs S. Vassigh, W. E. Newman, 07/2012 - 07/2015, \$120,000
- 2012: FIU Internal Grant through Division of Research, Collaborative Gaming Environment for Fostering Innovation in Sustainable Building Design and Engineering, Co-PIs S. Vassigh, W. E. Newman, 01/17/2012, \$68,000.00
- 2012: NSF #1320676 EXP: Collaborative Learning in Building Sciences Enabled by Augmented Reality, PI/PD S. Vassigh, Co-PIs: S-C. Chen, S. Graham, W. E. Newman, Y. Zhu, 12/17/2012, \$548,515
- 2012: NCARB Award, Adaptive Building Strategies in Coastal Urban Areas, Co-PI: S. Vassigh, W. E. Newman, Industry Partner: Hellmuth, Obata & Kassabaum, Miami office, not submitted
- 2012. NSF #1205529 II-New: A Computational Infrastructure to Enable Knowledge-driven Modeling for Zero Net-Energy Building Science, PI/PD S-C. Chen, Co-PIs: W. E. Newman, S. Graham, S. Vassigh, N. Pala, Y. Zhu, Sr. Investigators: C-X. Lin, Y. C. Kang, T. Spiegelhalter, \$745,118
- 2012. FIU-FRSP Seed Grant, Collaborative Gaming Environment for Fostering Innovation in Sustainable Building Design and Engineering, Co-PI S. Vassigh, W. E. Newman, Y. Zhu, 03/1/2012, \$29,673
- 2012: DTOS59-12-RA-TIGER4, ID# AWD000000002310 *UniversityCity Prosperity Project*, PI: SVP & CFO K. Jessell, PD: N. Rishe, T. Gustafson, Lead Facilitator, Co-PIs: S.S. Iyengar, M. Hadi, A. Drisin, N. Prabakar, P. Mozumder, C. Lisetti, W. E. Newman, R. Rovira, J. Acuna, E. Murray, S. Graham, H.-Hoon K., and A. Asisinamini. 03/19/2012, \$20,000,000
- 2012: FIU Writing Across the Curriculum (WAC), WAC Grant to Faculty Cohort, Co-PIs G. Read, D. Rifkind, and W. E. Newman, \$12,700
- 2012: National Endowment for the Humanities Summer Stipends, selected as one of two professors at

FIU to submit. Requested support for book project: *Imaginative beholding: Physiological psychology and the discourse on representation in fin-de-siècle Germany*, \$6,000

- 2012: NSF IGERT: Proposal No.-1250027 *Interdisciplinary Graduate Traineeships in Adaptive Data-Driven Sustainable Development*, PI/PD: A. Mirman, Co-PIs: S.S. Iyengar, S. Vassigh, K. Zhang, Y. Zhu, FPs: O. Abdul-Aziz, M. Enre Bayraktar, S-C. Chen, K. Furton, S. Graham, X. Jin, C-Xi. Lin, S. Luis, M. Milani, P. Mozumder, W. E. Newman, N. Pala, L. Scinto, T. Spiegelhalter, B. Schriener, \$3,431,000
- 2011: NSF_CRI: “*Computational Infrastructure to Enable Knowledge-Driven Modeling for Zero Net-Energy Building Science.*” PI: S-C. Chen (SCIS); CO-PI’s: S.S. Iyengar, S. Graham (SCIS); Y. Zhu (CM), W. E. Newman (SoA), T. Spiegelhalter (SoA), S. Vassigh (SoA), Sr. Investigators: Y. C. I. Kang (CM), S. Luis Sr. (SCIS), N. Pala (ECE), C-X. Lin (MME), Lead Institution: Florida International University CISE Proposal, \$750,000
- 2011: Knight Foundation Grant, UniversityCity Community Engagement Charrette, PI/PD: T. Gustafson, Co-PIs: K. Stapleton, W. E Newman, E. Murray. \$250,000
- 2011: CITT (Citizen’s Independent Transportation Trust) Advanced Transit Oriented Developments (ATODs) for Miami-Dade County and the Southeast Florida Region, PI/PD: N. Rishe, Co-Pis: R. Trias, E. Murray, Sr. Investigators: T. Gustafson, W. E. Newman, \$82,848

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

In-Progress

- 2020: In collaboration with Dr. K. Maitra, Professor, and Dean of Occupational Therapy at the College of Nursing & Health Sciences at GSU, to develop medical device patents for use in a therapeutic environment for patients with neurological disorders. Part of our study is linked to a co-taught course offered as Industrial Design Applications (Arch) and Integrative Master Seminar II (OTH) started at FIU.

PROFESSIONAL AND ACADEMIC HONORS, PRIZES, FELLOWSHIPS

- 2022. “Fargates” selected for Artisphere2022, Greenville, SC
- 2022. “Fargates” selected for Accelerate Innovation Festival, Smithsonian Museum
- 2022. Nominated for the Mellon Fellowship, Junior Scholar, Clemson University
- 2022. Elected a Clemson School of Health Research, CUSHR Faculty Fellow
- 2019-2021. Watt Innovation Fellow, Clemson University
- 2018. Elected to Tau Sigma Delta
- 2015. Selected as Founding Fellow, FIU STEM Institute
- 2014. Selected FIU Top Scholar
- 2013. Selected as one of two FIU representatives, U.S. Professor of the Year Awards Program
- 2012. Van Alen Institute and the U.S. Park Service, Parks for the People Competition. Selected as one of eight schools in the United States to compete. The team received Merit Award.
- 2009-2010: Dissertation Completion Fellowship, Harvard University
- 2008-2009: Research Fellowship, *Max-Planck –Institute für Wissenschaftsgeschichte*, Berlin, Germany
- 2001. Commencement Address, Invited, “World-Making,” Commencement Address Washington University School of Architecture.
- 1999. 1st Prize and Commission, Oklahoma Historical Society Museum, Norman, Ok., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/US,
- 1999. AIA Honor Award, Japanese American National Museum, Los Angeles, CA., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA,
- 1999. Finalist, Plant Science Institute Building Competition, St. Louis, Missouri/USA with design principal G. Obata, Hellmuth, Obata & Kassabaum, 1999

- 1999. 1st Prize and Commission, Lincoln Presidential Library Competition, Springfield, Ill., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA
- 1996-1998: Graduate School of Design Student Scholarship, Harvard University Graduate School of Design
- 1994. Dupont-Antron Design Award, Interface INC, Environments Group, Chicago, Illinois/USA
- 1990. 1st Prize, House Competition, Aptos, CA/USA

PROFESSIONAL COMPETITIONS

- 2001. Oklahoma History Museum, Norman, OK, with G. Obata, Hellmuth, Obata, and Kassabaum, awarded
- 2000. Lincoln Library and Visitors Center, Springfield, MO, with G. Obata, Hellmuth, Obata, and Kassabaum, awarded
- 1995. Saudi Arabian National Museum Competition, Riyadh, with G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA, finalist
- 1994. Japanese American National Museum, Los Angeles, CA, with G. Obata and Hellmuth, Obata & Kassabaum, awarded
- 1995. Shanghai-Pudong International Airport Competition, with Hellmuth, Obata & Kassabaum, St. Louis Missouri/USA, finalist
- 1995. St. Louis Public Library Renovation, finalist
- 1988. Van Alan Institute New York Waterfront Competition, New York, NY, Van Alan Institute, finalist

MEMBERSHIP IN ASSOCIATIONS AND SOCIETIES

- Society for Brain Mapping and Therapeutics
- Society of Architectural Historians
- History of Science Society
- Cognitive Neuroscience Society
- Association of American Geographers
- Building Technology Educators Society
- Architectural Research Centers Consortium
- Society for the History of Technology
- Van Alan Institute, NY
- American Society for Aesthetics
- International Building Performance Simulation Association (IBPSA)
- Association of Information Systems, Special Interest Group on Human-Computer Interaction, AIS, SIGHC
- Academy of Neuroscience for Architecture (ANFA)
- American Institute of Architects, Associate
- American Society of Landscape Architects, Associate
- The CAAV Higher Education Campus Alliance for Advanced Visualization
- Association of Computing Machinery (ACM)

OUTSIDE ACADEMIC ACTIVITIES

- 2015. Co-organizer with Shahin Vassigh, Genoa Fall Workshop, “Applied Mapping,” Nov. 3-14, FIU Genoa Program and UniGe, Genova, Italy
- 2012-2019. Editor-in-Chief, *Open Journal of Architecture Design*, SCIKNOW Pubs., Ltd.
- 2012-2019. Editor-at-large, *Architecture & Environment*, SCIKNOW Publications, Ltd.
- 2012-2019. Editor-at-large, *Journal of Computer Graphics, Visualization, and Computer Vision*,

SCIKNOW Publications, Ltd.

- 2014. Faculty respondent, Sixth HTC (History/Theory and Criticism) Workshop, FIU School of Architecture, Feb. 20-2
- 2017-2018, Invited Grant Reviewer, Florida International University CARTA Seed Grants
- 2016-2017, Invited Grant Reviewer, Florida International University CARTA Seed Grants
- 2016-17, Reviewer, International Experts for Research Enrichment and Knowledge Exchange (IEREK)

SUPERVISED STUDENT DISSERTATIONS, THESIS, AND AWARDS

- Dissertation Committee, Stacy Scott, 2023
- Dissertation Committee, Anastasia Maurin, 2023
- Dissertation Committee, Yuxin Chan, Clemson, 2021
- Primary Advisor, Arielle Spencer, Clemson, 2021
- Primary Advisor, Tong Liu, Clemson, 2020
- Dissertation Committee, Chien-Ho Ko, PDVE, Carlos Barrios Kleiss, Diss. Advisor, Clemson, 2020
- Dissertation Committee, Xiaowei Li, PDBE, Dina Battisto, Diss. Advisor, Clemson, 2019
- Dissertation Committee, Sida Dai, PDBE, M-C. Barrios Kleiss, Diss. Advisor, Clemson, 2019
- Master's Non-Thesis Committee, Tory Garland, 2020
- Master's Non-Thesis Committee, Tong Liu, 2020
- Primary Advisor, Honors Thesis, Bachelor of Architecture, Sarah Peil Winstead, "*The Work of Living Art*, Empathy, and the Creation of an Aesthetics of Perception in the Early Twentieth Century," 2016
- Master Thesis Committee for Rachel Smith Loerts, GeoSciences, University of Arkansas, Neural Networks applied to Route Analysis, anticipated completion Spring 2019
- Primary Advisor, Honors Thesis, Bachelor of Architecture, Zachary Grewe, "Genealogy of Theories of the City: Spatial Components as an Index of Socioeconomic Capitalism," 2015
- Primary Advisor, Master Project, Master of Art in Architecture, H. Gonzalez, "Design of a New Studio Environment for Architecture Design Schools," FIU, 2014
- Primary Advisor, Master Project, Master of Art in Architecture, M. Jadidi, "Depth-perception Spatial Modification to Enhance the Domestic Environment," FIU, 2013
- Dissertation Review Committee, H.-Yu Ha, Computer Science, "Constraint-Driven Model for Building Design," Primary Advisor S-C. Chen, Department of Computer Science and Engineering, FIU, 2013
- Dissertation Review Committee, D. Smith, "Hand Nearness and Empathy Response," Department of Psychology, R. Abrams Dissertation Advisor, Washington University in St. Louis, 2010.
- 3rd Prize, AWR Award, Loft London Farm Tower Competition, "Cultivated Carousel," BGKS team: Faculty Advisor: W. E. Newman. Team: J. Buts, C. Galati, A. Sivakumar, United States, Washington University in St. Louis, 2011
- Merit Award, United States Institute of Theater Technology (USITT) Architecture Commission Student Design Competition 2010, Faculty Advisor, W. E. Newman, "The Space Between/Proceeding Proscenia" Washington University, St Louis, Missouri, 2010

INVITED EXTERNAL REVIEWER

2003-present: Design Critic and Directed Research Consultancies:

Harvard University, Washington University in St. Louis, University of Tennessee, Georgia Institute of Technology, MIT, Boston Architectural College (BAC), Northeastern University, Illinois Institute of Technology, University of Illinois, Chicago (UIC), the University of Texas at Austin, Louisiana Institute of Technology, University of Oklahoma, Mississippi State University, University of Michigan, Arizona State University, Technion University (Haifa), University of Arkansas, Florida International University, Florida Atlantic University, University of Nebraska, Woodbury, North

Carolina State University

- 2023. Invited Jury Member, 2023 AIA Design for Aging Review Awards
- 2019. Juror, ACSA National Steel Building Competition, Washington, D.C., Aug. 24
- 2017. Invited, Super Jury reviewer for Oklahoma University School of Architecture Program, May 13
- 2016. Judge, Colorado State University, Virtual Reality Hackathon, Oct. 21, Ft. Collins, CO
- 2014. Reviewer, Building Technology Educators' Society, ACSA 102nd Annual Meeting Special Focus Session: BTES ACSA Annual Meeting in Miami, Florida, in April 2014
- 2013. Session moderator and reviewer, Architectural Research Centers Consortium 2013 National Research Conference, March 27-30, Charlotte, NC2010: St. Louis Chapter AIA Drawing Competition, jury member.
- 2013. 15th SACRPH 2013, Toronto, CA, Moderator/Commentator
- 2013. Panel reviewer, ACSA 102nd Annual Meeting, Globalizing Architecture, April 10-12, 2014, Miami Beach,
- 2013 Reviewer, ARCC/EAAE 2014 International Conference, Hawaii, Asia Pacific/USA, Feb. 14-19
- 2012. Reviewer, Wolfsonian-FIU Fellowship Program
- 2012. Juror, AIA St. Louis Drawing Awards
- 2012. The jury, Louisiana State University, Master Thesis
- 2012. The jury, Harvard University Graduate School of Design, Master of Design, and Master Thesis
- 2011. Jury, Harvard University Graduate School of Design, Master Thesis
- 2011. Jury. The Georgia University of Technology, School of Architecture, Graduate projects
- 2011. Consultant, HOK-Obata Archive at Washington University in St. Louis
- 2008-2011. Board member, Editorial Board of the *Journal of Architecture Education*
- 2010. Commissioned, Newman, W. E., *Notes on Writing: An Abbreviated Guide to Style for Writing at the Graduate Level*, Harvard Graduate School of Design.
- 2005. Reviewer, ACSA, National Conference, Chicago, IL.
- 2004. Session moderator, ACSA, International Convention, Helsinki, Finland 2004
- 2000. Reviewer, ACSA, National Conference, Los Angeles, CA

SERVICE TO THE COMMUNITY OR PUBLIC

- PPE Fabrication for SC Regional Communities, Co-Organizer with Timothy Shan Sutherland, supported and funded by Clemson Univ, 2020
- Girl Scouts of America, World Girl Day, organized technology and STEM education activities, Fayetteville High School, Fayetteville, AR, May 2017
- Faculty participant in Miami Design Charrette, Tropical Audubon Society, "Applying Environmental leadership Skills to Miami's Challenges in Resiliency & Sustainability," Saturday, June 21, 2016, Environmental Leadership Workshop Series, www.tropicalaudubon.org.
- Interviewed for a planned commercial project for Midtown Miami development. Comments included in Beached Miami, online newspaper; <http://www.beachedmiami.com/2012/02/06/midtown-walmart-art-fairs/>.
- University City Alliance. Funded public Charrette for UniversityCITY Grant, Co-directed with A. Drisin, J. Stuart, R. Rivera, Public charrette for a bridge connecting FIU and Sweetwater across SW 8th ST and included streetscape improvements to FIU and Sweetwater, a multi-modal transportation station on the FIU campus, and faculty research for an enhanced transportation-oriented design. A group of 12 FIU graduate students also participated in the public charrette presented to the Mayor of Sweetwater, FIU President M. Rosenberg, FIU CFO, VP K. Jessell, FIU VP of Facilities J. Cal and others, 2011
- Central West End Planning Board in St. Louis, MO, Board Member, 1999-2001

PROFESSIONAL EXPERIENCE

FieldOffice, LLC	Partner and Co-Founder	2005-present
Architect of Record (AOR), LLC	Principal	2009-2012
Hellmuth, Obata & Kassabaum	Senior Designer	1994-2003
DiStefano + Partners	Technical Designer	1992-1994
Hellmuth, Obata & Kassabaum	Intern Designer	1991-1992
Charles Moore, FAIA	Designer	1990-1991

Selected Works

FieldOffice, St. Louis and Miami

Brooklyn J-House, Brooklyn, NY, 2017
 Cementland, St. Louis, MO, 2015-present
 Casilly Residence, ongoing
 Kronin Residence, renovation, 2014
 Stein Residence, renovation, 2011
 Dullas Airport Signage, 2009
 Bobrow House renovation, *completed 2009*
 G House, renovation, *completed 2008*
 Zimmerman House, Landscape, *completed 2007*
 Tobin House, renovation, *completed 2006*
 Mahon House, renovation, *completed 2005*
 Portland 29, renovation, *completed 2005*
 Ladenberger House, renovation, *completed 2005*
 Z | LakeHouse, Wisconsin, renovation, *completed 2005*
 Z | 02 House, Chicago, renovation, *completed 2005*
 Z | 01 House, renovation, *completed 2002*
 The Chocolate Bar, cafe, interior design, *completed in 2001*
 1015 S Taylor, residential renovation, and reuse, *completed 2000*
 Gibson House, residential renovation, and reuse, *completed 2000*
 Arco Apartment Bldg., *completed 1999*
 Lo, sake bar, interior design, *completed 1999*
 Acme Java and Eats, interior design for restaurant, *completed 1995*
 Tangerine, interior design for restaurant, *completed 1996*

HOK, St. Louis, MO

Buildings with Gyo Obata, Partner HOK, 1995-2003
 Central Park Square Office Building, St. Louis, MO, *completed in 2007*
 Bryant Family Winery, Napa Valley, *completed in 2002*
 Spitzer Residence, St. Louis, MO, *completed in 2001*
 Missouri Historical Society Building, St. Louis, MO, *completed in 1999*
 Private Chapel for the Danforth Family, Rolla MO, *completed 1997*
 Japanese American National Museum, Los Angeles, CA, *completed in 1996*
 Art Museum for Southern University in Edwardsville, Illinois, *design development*

HOK, Washington, D.C.

National Institutes of Health, William H. Natcher Building, Bethesda, Maryland, *completed 1993*
 Internal Revenue Service, Prince George County, Maryland, *completed 1994*
 Environmental Protection Agency, Raleigh, North Carolina, *completed 1994*
 United States Federal Courthouse, Montgomery County, Maryland, *completed in 1991*