

Dr. Winifred E Newman

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EDUCATION

Doctor of Philosophy	Harvard University	2010
Master of Philosophy	Harvard University	2008
Master of Architecture	Harvard University	1998
Bachelor of Science	University of Texas at Austin	1990
Bachelor of Architecture	University of Texas at Austin	1989
Bachelor of Fine Arts, Music Theory and Composition (Candidate)	University of Texas at Austin	1989

ACADEMIC EXPERIENCE

Clemson University	Mickel Professor, Director iMSE	2018-present
University of Arkansas	Professor, Head Dept. of Architecture	2015- 2018
Florida International University	Associate Professor	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

PUBLICATIONS

ARTICLES

- 1) Newman, W. E. (2021). Method, matter, practice, and procedure. *Technology | Architecture + Design*, 5(1):2–3. <https://doi.org/10.1080/24751448.2021.1863655>
- 2) 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>
- 3) 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.
- 4) 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.

- 5) Newman, Winifred E. *The Basic Terms of the Map: Projection*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. doi: 10.4135/9781529777710.
- 6) Newman, Winifred E. *The Basic Terms of the Map: Index*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. doi: 10.4135/9781529777727.
- 7) Newman, Winifred E. *The Basic Terms of the Map: The Functions*. W. E. Newman on Maps. : SAGE Publications, Ltd., 2021. doi: 10.4135/9781529777734.
- 8) 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>
- 9) Newman, W. E., Phantasmata Poetica or Images as Objects of Knowledge in Early Theories of Aesthetics, *Journal of the History of Ideas*, pending
- 10) Newman, W. E., L. Terry, and F. Bedeschi, Coding as Kernform and Kunstform, *Journal of Architecture Education*, Theme Issue 42:2019, pending
- 11) 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
- 12) Newman, W. E. (2018) Counter Re-formations of Embodiment, *Log 42: Disorienting Phenomenology*, Winter/Spring, Mar., pp. 34-36
- 13) 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
- 14) 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
- 15) 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
- 16) 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
- 17) 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
- 18) 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
- 19) 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
- 20) 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
- 21) 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
- 22) 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
- 23) Newman, W. E., Understanding Ordinary Perspective. *Ecumene*, 1(1): online, January 2004

PEER-REVIEWED PROCEEDINGS, PUBLICATIONS AND REPORTS

- 1) 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*
- 2) 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
- 3) 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
 - 4) 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)
 - 5) 2018. Newman, W. E., "Building Software," CCA 106th Annual Conference, Los Angeles, Feb. 21-14, 2018
 - 6) 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
 - 7) 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)
 - 8) 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)
 - 9) 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
 - 10) 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
 - 11) 2014. Newman, W. E., "Early Issues in Space Perception," Neuro-Logics: The Brain and the Experience of Architecture, University of Toronto, April 2014
 - 12) 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
 - 13) 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/>
 - 14) 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
 - 15) 2014. Newman, W. E. and S. Vassigh, "Sustainable Development and Interdisciplinary Education," 2014 One Voice International Conf., May 31, Orlando, FL/USA, 2014
 - 16) 2014. Newman, W. E., "Data Visualization for Advanced Site Analysis," 2014 Design Communication Conference, October 1-4, Atlanta GA/USA, 2014
 - 17) 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

- 18) 2013. Newman, W. E., "Putting Florida on the Map," Florida History Society, University of Florida, May 23-16, 2013, accepted, not attended
- 19) 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
- 20) 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
- 21) 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
- 22) 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
- 23) 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
- 24) 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
- 25) 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
- 26) 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

- 1) Newman, W. E., Chap., 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)
- 2) 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

- 1) Newman, W. E., Essay, "Semi-Automatic What?" for exhibit, Semi-Automatic, Frank Jacobus and Marc Manack, curators and exhibit designers, Fay Jones School of Architecture + Design Gallery, Oct 21-Dec. 20, 2015
- 2) 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
- 3) Newman, W. E., "Traces and Movement." Supported by Freies Museum Berlin, Zero Project, der Ort Galerie, December 2009: 13-17
- 4) Newman, W. E., "Zwischen Bewegung und Bewegung: Die Fotografischen Arbeiten von Aurore Millet." Supported by Kunsthalle Viersethof im Luckenwalde, 2009: 3-4
- 5) 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
- 6) 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

- 7) 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
- 8) Newman, W. E., "Mediatheque," in Harvard University Graduate School of Design, M. Smith, editor, *Studio Works 5*. Princeton Architectural Press, 1998: 78-79
- 9) 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

- 1) 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 available on the website: <http://appliedmapping.fiu.edu>
- 2) Newman, W. E., ***Imaginative Beholding: Representation, Modernism and Aesthetics in Visual Culture***, under consideration with University of Pittsburgh Press. The book asks why art becomes modern at the turn of the nineteenth century. The book posits that it is the emerging discipline of psychology in Germany that impelled the emergence of new models of mind and constructed the modern subject. Book received funding through the Graham Foundation Grant (\$6,000). Proposal pending with publisher.
- 3) 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 in light of the history of the theory of structures in the 19th century in relation to the types of structures developed in the 20th century. The book includes basic engineering analysis and structural diagrams in an interactive DVD to augment written examples.

INVITED PAPERS/LECTURES/TALKS

- 1) Invited Speaker, 2021 Rocky Mountain Advanced Computing Consortium (RMACC), "Digital Therapeutics and Responsive Design," May 19-29, 2021
- 2) Invited Speaker, 2021 Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) Research Education Seminar, "Aging and Technology," March 5, 2021
- 1) 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.
- 2) Session workshop presenter, "Defining your Research" Sponsored by TAD: Technology | Architecture + Design, ACSA 2020
- 3) 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
- 4) Panel moderator, Fourth Annual CAAV Conference, Oct. 14-17, 2019, University of Indiana, Bloomington, IN
- 5) 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
- 6) Talk, Watt Fellows Program Clemson University, Sept. 2019 Title: Mapping as Hypothesis Making
- 7) 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
- 8) Keynote Speaker and Technical Committee, 2019 8th International Conference on Educational and Information Technology (ICEIT 2019) held during March 2-4 at University of Cambridge, Trinity College, Cambridge, UK. Title: Cultures of Learning Technology
 - 9) 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
 - 10) Newman, W.E., presenter, 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
 - 11) Invited speaker, Clemson University PDBE Colloquium, Sept. 7, 2018, Title: Mapping as Synecdoche in Research
 - 12) Public lecture, Christopher C. Gibbs College of Architecture, Oklahoma University, Norman, OK, School of Architecture, Mar. 21, 2018, Title: Applied Mapping for Design Thinking
 - 13) Public lecture, Arizona State University, Tempe, AZ, Mar. 19, 2018, Title: Architecture Education 2030 or What would Vitruvius Do?
 - 14) Public lecture, School of Architecture, Clemson University, Clemson, SC, Feb. 20, 2018, Title: What is a Building?
 - 15) Talk, Univ of Arkansas Rome Center, Rome, Italy, Sp. 2018, Title: Mapping and Design Thinking
 - 16) 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..."
 - 17) Invited speaker, University of Arkansas GIS Day, Nov. 16, 2016, Title: Data Visualization: Organizing the Map v.02
 - 18) Invited speaker, Colorado State University, Virtual Reality Symposium, Oct. 21, Ft. Collins, CO, 2016, Title: Mixed Reality in Design and Academics
 - 19) Keynote Address, Title: New (Old) Directions in Computer Augmented Virtual Reality, First Annual CAAV Conference, 2016, Denver, CO,
 - 20) Poster: Mapping Space to Map Spatial Perception for Healthy Living, Neuroscience Research Symposium, University of Arkansas, 2015
 - 21) ACSA Webinar for Fay Jones School of Architecture and Design, Fall 2016. Webinar abstract: Fay Jones School of Architecture + Design: A Culture of Making
 - 22) 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
 - 23) Invited speaker, University of Arkansas GIS Day, Nov. 18, 2015, Title: Data Visualization: Organizing the Map
 - 24) Public lecture, Architecture and Design Network Lecture Series, Little Rock, AR, Dec. 8, 2015, Title: New (Old) Directions in Architecture
 - 25) 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
 - 26) Public lecture, FIU School of Architecture Lecture Series, Jan 19, 2012, Title: Architecture and Technology
 - 27) Public lecture, University of Miami GIS Department Symposium, January 12, 2012, Title: Problems in Applied Mapping
 - 28) Public lecture, FIU Spring Design Charrette, 2012, 2013, Title: Introduction to Mapping
 - 29) Invited speaker, FIU First Year Design, 2012, 2013, Title: Mapping Basics
 - 30) Public lecture, University of Nebraska, 2011, Title: New Directions in the History and Theory

of Architecture

- 31) Public lecture, University of Wisconsin, Milwaukee, 2011, Title: New Directions in the History and Theory of Architecture
- 32) Public lecture, Technion University, Haifa Israel, 2011, Title: New Directions in the History and Theory of Architecture
- 33) Public lecture, North Carolina State University, 2011, Title: New Directions in the History and Theory of Architecture
- 34) Public lecture, Florida International University, 2011, Title: New Directions in the History and Theory of Architecture
- 35) Talk, Washington University in St. Louis, St. Louis, Missouri, 2010, Title: Kites, Cars and Turtles and Lightweight Fabrication
- 36) Public lecture, Washington University in St. Louis, 2010, Title: *Perspectiva Artificialis*: Architecture and Technology
- 37) Talk, Washington University in St. Louis, St. Louis, Missouri, 2010, Title: The Thickness of Technology: Fortifications of Vauban
- 38) 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

- 1) *Clemson Newstand*, “Preparing PPE for health providers and first responders; leveraging Clemson’s talent pool and resources”, May 27, 2020
- 2) University of Arkansas Showcases Neuroscience Research, University of Arkansas News, Monday, August 8, 2016
- 3) 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
- 4) 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

- 1) 2017: AASHE Conference, poster, “Cyber-Innovation in the STEM Classroom,” NSF-IUSE research project, Collaborative Learning using Augmented Reality, San Antonio, TX
- 2) 2017: Exhibit, Material Spaces, sUgAr Gallery, Fayetteville, AR. Curated exhibit of student work from the Fay Jones School of Architecture + Design, Mar. 9 – Apr. 15, Fayetteville, AR
- 3) 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
- 4) 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
- 5) 2016: Exhibit, Inventing Fuller, Fay Jones School of Architecture + Design Exhibition Gallery. Curated exhibit of Buckminster Fuller original lithographs, sculptures, and sketches. Feb. 1- March 15, Fayetteville, AR
- 6) 2013: Exhibit, Spring MAA Show, April 26-May 3, 2013, Miami Beach Urban Studios Gallery. 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 in-progress work of current MAA students in the FIU SoA, Miami, FL
- 7) 2013: Exhibit, FACULTY WORK, Miami Beach Urban Studio’s Main Gallery, curated by

- Nikolai Nedev, FIU, Miami, FL
- 8) 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. Exhibit includes work of graduate students in advanced theory of design courses in the SOA at FIU by W. E. Newman, Fall 2011. Exhibit book, entitled Synthetic Ideologies, pub. 2012
 - 9) 2010: Exhibit, Window–Zoom/Capture: The Landscapes of Patty Heyda, Curator, Art St. Louis Gallery, March 20-April 19, St. Louis, St. Louis, MO
 - 10) 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
 - 11) 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
 - 12) 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
 - 13) 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
 - 14) 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
 - 15) 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

- 1) 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/>;
- 2) 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
- 3) 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
- 4) 2014. Cejas Symposium: Building 2050, Co-organizer Nick Gelpi, sponsored by the Cejas Foundation Grant FIU, Spring 2015
- 5) 2006. Founder and organizer, CAMBRIDGE TALKS. Cambridge Talks is an annual spring conference sponsored by the Ph.D. Program in Architecture, Landscape Architecture, and Urban Planning at Harvard University dedicated to the exploration of interdisciplinary topics that engage issues of space. First conference in the series, “Cambridge Talks 01: Politics and History of Architecture,” Oct. 2006
- 6) 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

- 1) 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*
- 2) 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*
 - 3) Executive Editor designate, *Journal for Technology Architecture + Design | TAD*
 - 4) 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*
 - 5) 2021: USDA, A9201 - Sustainable Agricultural Intensification (Land Stewardship), Identifying Conservation Priority Areas (iCONPA) 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*
 - 6) 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

- 1) 2021: ACCelerate Creativity and Innovation Festival 2022, Smithsonian Museum of American History, Washington, DC: selected to represent Clemson. Project, “Ferntor: Fargates between People, Places and Events,” in collaboration with Brygg Ullmer (CS) and Miriam Konkel (Microbiology) as an extension of the NSF MRI “Enodia” project.
- 2) 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*
- 3) 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
- 4) 2015: Research Funds from RSSP University of Arkansas, Awarded to Dr. Newman, July 2015-July 2018, \$275,000
- 5) 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*
- 6) 2015: FIU SCIS-DoD/CREST, Center for Environmental Aquatic Chemistry & Ecotoxicology (CEACE), Todd Crowl, PI; Co-PIs from engineering, social science, science and computer science; W. E. Newman, Sr. Investigator, \$25,000,000
- 7) 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), Nezhil Pala (ECS), \$305,000
- 8) 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), Nezhil Pala (ECS), \$502,365
- 9) 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

- 10) 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/>
- 11) 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)
- 12) 2014: Cejas Family Foundation Research Award, Florida International University, \$2,350
- 13) 2013: Cejas Family Foundation Research Award, Florida International University, \$2,000
- 14) 2012: Wolfsonian-FIU Research Grant (Humanities), Wolfsonian-FIU, \$5,000
- 15) 2011: Graham Foundation for the Advancement of the Arts Grant for Research to Individuals, \$5,000
- 16) 2011-2012: An Open-Source Integrated Computing Infrastructure to Support the Life Cycle Design and Engineering of High-Performance Building. 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
- 17) 2001-2003: University of Tennessee Reagan Fund Grant, Co-PI/PD W. E Newman and A. Drisin, \$4,500
- 18) 2001-2003: Washington University Visual Arts and Design Center Grant, Co-PI/PD W. E. Newman and L. Stouffer, \$3,500

GRANT PROPOSALS

- 1) 2021: NSF MRI: Enodia ADD
- 2) 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
- 3) 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
- 4) 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*
- 5) 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.)
- 6) 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), \$20,0000
- 7) 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
- 8) 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
 - 9) 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
 - 10) 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
 - 11) 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
 - 12) 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
 - 13) 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
 - 14) 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
 - 15) 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
 - 16) 2015: Microsoft Hololens Grant: Teaching Teachers: Using Hololens in Education, Winifred E. Newman (PI), John C. Pijanowski (Co-PI), \$149,000
 - 17) 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
 - 18) 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
 - 19) 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
 - 20) NCARB: Collaborative Learning for Sustainable and Resilient Building Design Enabled by Augmented Reality, Winifred E. Newman and Shahin Vassigh Co-PIs, \$35,000
 - 21) 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

- 22) 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
- 23) 2014: District 11: Strategic Communication Study, PI: Winifred E. Newman, Co-PI: Carlos Parras (Business), Kevin Greiner (MET Center/CARTA), \$35,000
- 24) Urban Design Corridor Study at Hallandale Blvd., Hallandale, FL, joint proposal with Metropolitan Center, PI: E. Murray, Co-PI: W. E. Newman, \$29,000
- 25) 2013-2016: US DOT-TIGER University City 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/>
- 26) 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
- 27) 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
- 28) 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
- 29) 2014: Knight Foundation Grant, Community Design Practice: Cultivating Public Space & Place, PI: A. Drisin, Co-PIs: W. E. Newman, D. Rifkind, \$125,000
- 30) 2014: US ArtPlace, Miami Arts City Design Practice, PI: A. Drisin, Co-PIs: J. Chandler, B. Schriener, R. Rovira, W. E. Newman, N. Nedev, \$359,850,000
- 31) 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
- 32) 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)
- 33) 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
- 34) 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.
- 35) 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
- 36) 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
 - 37) 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. S. Iyengar, S. Luis, Y. Zhu, Y. C. Kang, C-X. (Charlie) Lin, \$1,250,186
 - 38) 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. Krishnamuri; 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
 - 39) 2012: Tech Fee Grant, FIU, Co-PIs S. Vassigh, W. E. Newman, 07/2012 - 07/2015, \$120,000
 - 40) 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
 - 41) 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
 - 42) 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
 - 43) 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
 - 44) 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
 - 45) 2012: DTOS59-12-RA-TIGER4, ID# AWD00000002310 *University City 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
 - 46) 2012: FIU Writing Across the Curriculum (WAC), WAC Grant to Faculty Cohort, Co-PIs G. Read, D. Rifkind, and W. E. Newman, \$12,700
 - 47) 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
 - 48) 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
 - 49) 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
- 50) 2011: Knight Foundation Grant, UniversityCity Community Engagement Charrette, PI/PD: T. Gustafson, Co-PIs: K. Stapleton, W. E Newman, E. Murray. \$250,000
- 51) 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

2019: Currently in collaboration with Dr. K. Maitra, Professor and Chair in Occupational Therapy at the College of Nursing & Health Sciences at FIU, to develop patents for medical devices for use in therapeutic environment for patients with neurological disorders. Part of our study is linked to a co-taught course offered as ARC 5933 Industrial Design Applications (Arch) and OTH 5922L, Integrative Master Seminar II (OTH). Student teams of architecture and occupational therapy graduate students lead by Dr. Newman and Dr. Maitra modify existing assistive devices and propose new devices for user groups. Devices with significant potential will be further developed with the goal to submit patent applications.

PROFESSIONAL AND ACADEMIC HONORS, PRIZES, FELLOWSHIPS

- 1) 2019-2021. Watt Innovation Fellow, Clemson University
- 2) 2018. Elected to Tau Sigma Delta
- 3) 2015. Selected as Founding Fellow, FIU STEM Institute
- 4) 2014. Selected FIU Top Scholar
- 5) 2013. Nominated and selected as one of two FIU representatives, U.S. Professor of the Year Awards Program
- 6) 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. Team received Merit Award.
- 7) 2009-2010: Dissertation Completion Fellowship, Harvard University
- 8) 2008-2009: Research Fellowship, *Max-Planck –Institute für Wissenschaftsgeschichte*, Berlin, Germany
- 9) 2001. Commencement Address, Invited, "World-Making," Commencement Address Washington University School of Architecture.
- 10) 1999. 1st Prize and Commission, Oklahoma Historical Society Museum, Norman, Ok., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/US,
- 11) 1999. AIA Honor Award, Japanese American National Museum, Los Angeles, CA., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA,
- 12) 1999. Finalist, Plant Science Institute Building Competition, St. Louis, Missouri/USA with design principal G. Obata, Hellmuth, Obata & Kassabaum, 1999
- 13) 1999. 1st Prize and Commission, Lincoln Presidential Library Competition, Springfield, Ill., with design principal G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA
- 14) 1996-1998: Graduate School of Design Student Scholarship, Harvard University Graduate School of Design
- 15) 1994. Dupont-Antron Design Award, Interface INC, Environments Group, Chicago, Illinois/USA
- 16) 1990. 1st Prize, House Competition, Aptos, CA/USA

PROFESSIONAL COMPETITIONS

- 1) 2001. Oklahoma History Museum, Norman, OK, with G. Obata, Hellmuth, Obata and Kassabaum, awarded

- 2) 2000. Lincoln Library and Visitors Center, Springfield, MO, with G. Obata, Hellmuth, Obata and Kassabaum, awarded
- 3) 1995. Saudi Arabian National Museum Competition, Riyadh, with G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA, finalist
- 4) 1994. Japanese American National Museum, Los Angeles, CA, with G. Obata and Hellmuth, Obata & Kassabaum, awarded
- 5) 1995. Shanghai-Pudong International Airport Competition, with Hellmuth, Obata & Kassabaum, St. Louis Missouri/USA, finalist
- 6) 1995. St. Louis Public Library Renovation, finalist
- 7) 1988. Van Alan Institute New York Waterfront Competition, New York, NY, Van Alan Institute, finalist

PROFESSIONAL SOCIETIES

SERVICE TO ASSOCIATIONS AND SOCIETIES

- 1) 2019-present: Editorial Board Member, Journal of Technology, Architecture + Design (TAD)
- 2) 2015-2019: Vice President, 2020-present, Board Member-at-Large, The CAAV Higher Education Campus Alliance for Advanced Visualization

MEMBERSHIP IN ASSOCIATIONS AND SOCIETIES

- 1) Society for Brain Mapping and Therapeutics
- 2) Society of Architectural Historians
- 3) History of Science Society
- 4) Cognitive Neuroscience Society
- 5) Association of American Geographers
- 6) Building Technology Educators Society
- 7) Architectural Research Centers Consortium
- 8) Society for the History of Technology
- 9) Van Alan Institute, NY
- 10) American Society for Aesthetics
- 11) International Building Performance Simulation Association (IBPSA)
- 12) Association of Information Systems, Special Interest Group on Human Computer Interaction, AIS, SIGHC
- 13) Academy of Neuroscience for Architecture (ANFA)
- 14) American Institute of Architects, Associate
- 15) American Society of Landscape Architects, Associate
- 16) The CAAV Higher Education Campus Alliance for Advanced Visualization
- 17) Association of Computing Machinery (ACM)

OUTSIDE ACADEMIC ACTIVITIES

- 1) 2015. Co-organizer with Shahin Vassigh, Genoa Fall Workshop, “Applied Mapping,” Nov. 3-14, FIU Genoa Program and UniGe, Genova, Italy
- 2) 2012-2019. Editor-in-Chief, *Open Journal of Architecture Design*, SCIKNOW Pubs., Ltd.
- 3) 2012-2019. Editor-at-large, *Architecture & Environment*, SCIKNOW Publications, Ltd.
- 4) 2012-2019. Editor-at-large, *Journal of Computer Graphics, Visualization and Computer Vision*, SCIKNOW Publications, Ltd.
- 5) 2014. Faculty respondent, Sixth HTC (History/Theory and Criticism) Workshop, FIU School of Architecture, Feb. 20-2
- 6) 2017-2018, Invited Grant Reviewer, Florida International University CARTA Seed Grants
- 7) 2016-2017, Invited Grant Reviewer, Florida International University CARTA Seed Grants

- 8) 2016-17, Reviewer, International Experts for Research Enrichment and Knowledge Exchange (IEREK)

SUPERVISED STUDENT DISSERTATIONS, THESIS, AND AWARDS

- 1) Primary Advisor, Tong Liu, Clemson, 2020
- 2) Dissertation Committee, Chien-Ho Ko, PDVE, Carlos Barrios Kleiss, Diss. Advisor, Clemson, 2020
- 3) Dissertation Committee, Xiaowei Li, PDBE, Dina Battisto, Diss. Advisor, Clemson, 2019
- 4) Dissertation Committee, Sida Dai, PDBE, M-C. Barrios Kleiss, Diss. Advisor, Clemson, 2019
- 5) Master's Non-Thesis Committee, Tory Garland, 2020
- 6) Master's Non-Thesis Committee, Tong Liu, 2020
- 7) 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
- 8) Master Thesis Committee for Rachel Smith Loerts, GeoSciences, University of Arkansas, Neural Networks applied to Route Analysis, anticipated completion Spring 2019
- 9) Primary Advisor, Honors Thesis, Bachelor of Architecture, Zachary Grewe, "Genealogy of Theories of the City: Spatial Components as an Index of Socioeconomic Capitalism," 2015
- 10) Primary Advisor, Master Project, Master of Art in Architecture, H. Gonzalez, "Design of a New Studio Environment for Architecture Design Schools," FIU, 2014
- 11) Primary Advisor, Master Project, Master of Art in Architecture, M. Jadidi, "Depth-perception Spatial Modification to Enhance the Domestic Environment," FIU, 2013
- 12) 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
- 13) Dissertation Review Committee, D. Smith, "Hand Nearness and Empathy Response," Department of Psychology, R. Abrams Dissertation Advisor, Washington University in St. Louis, 2010.
- 14) 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
- 15) 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, 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), 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

- 1) 2019. Juror, ACSA National Steel Building Competition, Washington, D.C., Aug. 24
- 2) FL2017. Invited, Super Jury reviewer for Oklahoma University School of Architecture Program, May 13
- 3) 2016. Judge, Colorado State University, Virtual Reality Hackathon, Oct. 21, Ft. Collins, CO
- 4) 2014. Reviewer, Building Technology Educators' Society, ACSA 102nd Annual Meeting Special Focus Session: BTES ACSA Annual Meeting in Miami, Florida in April 2014

- 5) 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.
- 6) 2013.15th SACRPH 2013, Toronto, CA, Moderator/Commentator
- 7) 2013. Panel reviewer, ACSA 102nd Annual Meeting, Globalizing Architecture, April 10-12, 2014, Miami Beach,
- 8) 2013 Reviewer, ARCC/EAAE 2014 International Conference, Hawaii, Asia Pacific/USA, Feb. 14-19
- 9) 2012. Reviewer, Wolfsonian-FIU Fellowship Program
- 10) 2012. Juror, AIA St. Louis Drawing Awards
- 11) 2012. Jury, Louisiana State University, Master Thesis
- 12) 2012. Jury, Harvard University Graduate School of Design, Master of Design and Master Thesis
- 13) 2011. Jury, Harvard University Graduate School of Design, Master Thesis
- 14) 2011. Jury. Georgia University of Technology, School of Architecture, Graduate projects
- 15) 2011. Consultant, HOK-Obata Archive at Washington University in St. Louis
- 16) 2008-2011. Board member, Editorial Board of the *Journal of Architecture Education*
- 17) 2010. Commissioned, Newman, W. E., *Notes on Writing: An Abbreviated Guide to Style for Writing at the Graduate Level*, Harvard Graduate School of Design.
- 18) 2005. Reviewer, ACSA, National Conference, Chicago, IL.
- 19) 2004. Session moderator, ACSA, International Convention, Helsinki, Finland 2004
- 20) 2000. Reviewer, ACSA, National Conference, Los Angeles, CA

ACADEMIC AND PUBLIC SERVICE

ADMINISTRATIVE INITIATIVES

- 1) 2020-present: New Faculty Orientation Lunch Sessions
- 2) 2020-present: Creativity Professors Roundtable Evening Discussions
- 3) 2018-present: SoA Digital Ecologies Program, Director
- 4) 2018-present: CU-iMSE, Director
- 5) 2018-2020: BROWNBAG RESEARCH TALKS: organized for faculty to share their research projects with each other. May be expanded later to include interested students.
- 6) 2019 Organized Faculty Research Visit to Oakridge National Laboratory in Oakridge, TN
- 7) 2019-2020: Developed and launched new website for Institute, CU-iMSE:
<https://www.clemson.edu/centers-institutes/cuimse/>
- 8) 2017. 3-Tier Structure for Technology Education program developed with Scott Zemke, IT Director Fay Jones School of Architecture + Design to provide differing levels of online and workshop technology education for SoA undergraduates.
- 9) 2017. Dell Dropbox (later moved to Box), developed and implemented distributed storage plan for SoA with Scott Zemke, IT Director Fay Jones School of Architecture + Design
- 10) 2019-2021: Department Curriculum Committee, member
- 11) 2019-2020: Director Search Committee, Chair
- 12) 2015-2018: Head, Department of Architecture, University of Arkansas, SoA
- 13) 2016-2017: Initiated Architecture Database Project, online searchable resource for student work: <http://uaadp.omeka.net/>
- 14) 2017. Directed, University Inventory Initiative. University-wide inventory with the OSSP with support of Jim Rankin (V. Provost for Res.).
- 15) 2017. C-Chair, Ad-Hoc Committee formed by Jim Rankin, VP for Research and Sponsored Programs for the Immersive Visualization, University of Arkansas: Co- Chairs: W.E. Newman (Arch), David Fredrick (Hum), 2015-16. Formed to generate funding support for immersive

- visuality and data visualization across all disciplines. Organized multiple presentations to faculty and Deans regarding development of VR ecology on campus.
- 16) 2017. Chair, Ad-Hoc Committee for EPA CUPP Program, University of Arkansas, Faculty from 10 departments/colleges: 2016: Stephen Luoni (Dir.), Ethel Goodstein (Assoc. Dean), Fred Limp (Dir.), Peter MacKeith (Dean), Lynda Coon (Dean), Marty Matlock (Dir.), Philip Crandall, Greg Herman, Tahar Messadi, Carol Gattis, Jon Johnson, Cassandra Gronendyke, Jennifer D. Webb, Jack Cothren (Dir.), Phoebe Lickwar, Javier Reyes, Noah Billig, Carl Smith, Kim Furlong, Jim Rankin (V. Provost)
 - 17) 2017. Initiated Faculty Field Trips with Dean's Initiative Funding. First trip was to Oakridge (ORNL) Oakridge National Laboratory Innovations in Manufacturing Laboratory to visit Building Innovation Lab and Manufacturing Demonstration Facility
 - 18) 2017. Introduced partnership for faculty with College Underserved Community Partnership Program (CUPP) an EPA program coordinating university faculty with underserved communities to facilitate public-private partnerships and introduce students to real-world problem solving working directly with community government. Currently two projects underway at SOA: Greg Herman, Museum for Hunstville, AR; Alison Turner
 - 19) 2015-2017. Initiated 2015-16 Faculty Discussion Series with focus on Grants and Technology> All about TECHNOLOGY: 3 sessions organized and led by Lynn Fitzpatrick, Jon Boelkins and Santiago Perez
 - 20) 2015-2016. Created "Rules of Engagement" an agreed upon set of rules to foster collegiality during faculty meetings. Faculty members participated and voted to initiate the 13 rules under which all meetings were conducted.
 - 21) 2015-2016. Established AREA Coordinators in addition to existing Design Coordinators to facilitate management and review of curriculum in the undergraduate B. Arch Program.
 - 22) 2015-2108. Created bi-annual email newsletter for Professional Advisory Board in Architecture to communicate department news to board members.
 - 23) 2015-2018. Initiated Architecture Database Project, online searchable resource for student work, coordinated with IT and Chris Hilker. See website: <http://uaadp.omeka.net/>
 - 24) 2015-2016. Developed Teaching Award Criteria and Evaluation Form (with Carl Matthews and Ken McCown)
 - 25) 2017. Coordinated Core Program Assessment: learning Expectations and Outcomes for Fay Jones School of Architecture, UA
 - 26) 2017. Instituted Exit Interview procedures for graduating seniors for statistical modeling and planning.
 - 27) 2015-2016. All-School Spring Charrette, Organized First Annual Competition, Lux ex Machina: Light Design, 30 students participated in 9 teams with ARC, IDES and LARC represented. CHALLENGE: To design a new light fixture using a limited number of specified materials. You must take into consideration the processes of manufacturing in the design along with the cost of materials as they impact the market cost of the fixture.
 - 28) 2016. Initiated Curriculum Review for B. Arch Program, SoA that led to implementation of new program structure including revised curricular structure 1) eliminated duplication of Comprehensive Studio, and 2) organized program into 3 distinct components tracking with the professional program as Core Program (Yrs. 1-3), Comprehensive Studio (first semester Yr 4) and an Advanced Program of 3 vertical studios, professional electives and professional practice. Advanced studio focus shifted to a "Cluster Model" with organized by faculty focus research areas and significant challenges: building sustainability, sustainable communities, university engagement with underserved communities, automation and fabrication effecting professional practice, mixed reality and visualization, adaptation and preservation. "Cluster" Model encouraged increased intra- and inter-department collaboration for studios and seminars.
 - 29) 2016-2017 Organized a series of Workshop Series for undergraduates:
 - CNC Fabrication and Computation with Material Processes: Christian Pongratz, Director

and Founder, Digital Design and Fabrication Program (M.S.) Professor of Architecture at Texas Tech University

- Electronic Prototyping with Arduino and Razzberry PI: Emmanuel Ferro, Adjunct Faculty, Florida International University
 - Workshop II*: Folding Screen: DATE Sept. 16/17 [Meyer] Planned participation: Blackwell (9) and Herman-Smith (14) studios will participate.
 - Workshop III*: Carbon Fiber Surface: DATE: Oct. 19/21 [Meyer] Planned Participation: First Year Core (1/3 of students only), Herman-Smith (14)
- 30) 2015: Co-Coordinated and implements with M. Bisnett a new A-Drive, HPC/VCL for SoA
 - 31) 2012-14: Director of Advanced Studies. Initiated re-design of existing 36-credit Master of Arts in Architecture program
 - 32) 2012-2013: Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant, Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
 - 33) 2011-2012: Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant, Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
 - 34) 2012: University Graduate School Colloquium Enhancement Initiative, \$3,000, awarded

DEPARTMENT and SCHOOL SERVICE AND INITIATIVES

- 1) 2019-2021: Faculty Advisory Committee, member
- 2) 2019-2020: Ad-hoc Committee, MS to PhD, Chair
- 3) 2020: TPR Committee, Special, member
- 4) 2019: TPR Committee, Special, member
- 5) 2019-2021: Department Curriculum Committee, member
- 6) 2019-2020: Search Committee, Director of School of Architecture, Co-Chair with Ulrike Heine
- 7) 2019-2021: Architecture TPR Committee, Co-Chair with Ulrike Heine
- 8) 2018: Search Committee, SoA Marketing Associate, member
- 9) 2015-2018: Head, Department of Architecture, University of Arkansas, SoA
- 10) 2015-2018. AIAS, Faculty Advisor
- 11) 2016-2017: Initiated Architecture Database Project, online searchable resource for student work: <http://uaadp.omeka.net/>
- 12) Fall 2011-2014: Curriculum Committee Member, School of Architecture, Florida International University
- 13) 2011-2014: Faculty Member, Lectures and Exhibitions Committee
- 14) 2011-2012: Faculty Search Committee Member, Urban Design and Preservation Research Position, School of Architecture
- 15) 2012-14: Director of Advanced Studies. Initiated re-design of existing 36-credit Master of Arts in Architecture program
- 16) 2012-2013: Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant, Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
- 17) 2011-2012: Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant, Florida International University 01/15/2012-05/05/2012, \$10,000.00, awarded
- 18) 2012: University Graduate School Colloquium Enhancement Initiative, \$3,000, awarded
- 19) 2011-2014: Member, Master's Project and Thesis Committee, Department of Architecture, Florida International University
- 20) 2012: FIU Writing Across the Curriculum, in collaboration with G. Read and D. Rifkind

COLLEGE SERVICE AND INITIATIVES

- 1) 2020-2023: VPR Advisory Board, member

- 2) 2019-2021: CAAH Faculty Research Development Committee (FDRP), member
- 3) 2019-present: PDBE Committee, member
- 4) 2018-present: Digital Ecologies Committee, Chair
- 5) 2015-2107: FJSoA+D Technology Committee, Co-Chair with Scott Zemke
- 6) 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
- 7) 2015: Search and Screening Committee, Department of Occupational Therapy
- 8) 2015: Master Class for the Young Arts Foundation Program, Miami
- 9) 2014: Master Class for the Young Arts Foundation Program, Miami
- 10) 2013: Interview Committee, Grant Writing Specialist, Staff Position at FIU, member
- 11) 2012: 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 SERVICE AND INITIATIVES

- 1) 2019-2021: Faculty Senate, Alternate, includes service on University Research Committee
- 2) 2019-present: Graduate Admissions and Continuing Enrollment Appeals Committee
- 3) 2017: Ad-Hoc Committee for Health and Aging, founding members: Winifred E. Newman (Arch), Phillip Crandell (Agri), Jennifer Webb (Ides); Michelle Gray (HS), Leah Jean Henry (Nursing), Ro DiBrezzo (Phy), Alishia Ferguson (Nursing), Jeffrey Clark (Agri), Timothy Killian (HS), Bettie Miller (Nursing), Audrey Weymiller (Nursing), Susan Patton (Nursing)
- 4) 2016: Ad-Hoc Committee for the EPA CUPP Program, University of Arkansas, Faculty from 10 departments on campus
- 5) 2016-2017: Ad-Hoc Committee at FIU for the EPA CUPP Program. Members: Co-Chairs: Winifred E. Newman, S. Vassigh; C. M. Parra (Business). Members: M. Burns (EPA and CUPP Program Dir.), L. Northup (Dean, Honors College), Brian Schriener (Dean, CARTA), L. Scinto (Assoc. Dir., SERC), T. Cowl (Dir., SERC), R. Teutonico (FIU DoR), K. Maitra (Chair, OTH), J. Kolazenski (Chair, Art), A. Drisin (Assoc. Dean, CARTA), L. Kramer (Dir., STEM Center), S. Graham (SCIS), S-C. Chen (SCIS), M. Sadjadi (SCIS), M. Marine (Arc), E. Murray (Dir., Met Center), P. Houle (EPS, Dir. Undergraduate Programs), J. Chandler (Chair, Arch.), H. Frank (Dir. of FIU Foundations), D. Wernick
- 6) 2015-2018: 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), Winifred E. Newman (Arch)
- 7) 2015-2016: Ad-Hoc Committee for the Immersive Visualization, University of Arkansas: Co-Chairs: Winifred E. Newman (Arch), David Fredrick (Hum). Formed to generate funding support for immersive visuality and data visualization across all disciplines.
- 8) 2016-2017: Provost Search Committee, member
- 9) 2015-2017: Appointed to the University Campus Planning Committee, University of Arkansas
- 10) 2014-2015: Appointed to the University Fulbright Committee, FIU
- 11) 2014: University Carnegie-Mellon VHR Planning Committee, FIU
- 12) 2011-2014. 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)

- 13) 2014: University Graduate Council, CARTA Faculty Representative and Chair
- 14) 2012: University Graduate Council, CARTA Faculty Representative and Vice-Chair
- 15) 2012: UGS Provost Award for Graduate Student Outstanding Paper or Manuscript, reader

SERVICE TO THE COMMUNITY OR PUBLIC

- 1) PPE Fabrication for SC Regional Communities, Co-Organizer with Timothy Shan Sutherland, supported and funded by Clemson Univ, 2020
- 2) Girl Scouts of America, World Girl Day, organized technology and STEM education activities, Fayetteville High School, Fayetteville, AR, May 2017
- 3) 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
- 4) Interviewed for 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/>
- 5) 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 and VP K. Jessell, FIU VP of Facilities J. Cal and others, 2011
- 6) 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, MO

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
Acme Java and Eats, interior design for restaurant, *completed 1995*
Tangerine, interior design for restaurant, *completed 1996*
Lo, sake bar, interior design, *completed 1999*
The Chocolate Bar, cafe, interior design, *completed 2001*
1015 S Taylor, residential renovation and reuse, *completed 2000*
Gibson House, residential renovation and reuse, *completed*
Arco Apartment Bldg., completed

HOK, ST. LOUIS, MO

Buildings with Gyo Obata, Partner HOK, *1995-2003*
Central Park Square Office Building, St. Louis, MO, *completed 2007*
Bryant Family Winery, Napa Valley, *completed 2002*
Spitzer Residence, St. Louis, MO, *completed 2001*
Missouri Historical Society Building, St. Louis, MO, *completed 1999*
Private Chapel for the Danforth Family, Rolla MO, *completed 1997*
Japanese American National Museum, Los Angeles, CA, *completed 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 1991*