

Dr. Winifred E Newman

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EDUCATION

Doctorate 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	2017-2018
University of Arkansas	Professor, Head of Architecture	2015- 2017
Florida International University	Associate Professor	2011- 2015
Washington University in St. Louis	Visiting Professor	2010- 2011
Max-Planck Institute, Berlin, Germany	Research Fellow	2008- 2009
Harvard University	Instructor	2007- 2008
Harvard University	Teaching Fellow Urban Design	2006- 2007
Harvard University	Teaching Fellow Art History	2005- 2006
Harvard University	Teaching Fellow Architecture	2004- 2005
Washington University in St. Louis	Visiting Professor Architecture	2000- 2003
University of Tennessee	Visiting Professor Architecture	1999- 2000
Washington University in St. Louis	Lecturer	1998- 1999
Harvard University	Teaching Assistant Architecture	1997- 1998

PUBLICATIONS

ARTICLES

- 1) Messadi, T., Newman, W. E., Braham, A., & Nutter, D. (2018). **Cyber-Innovation in the STEM Classroom, a Mixed Reality Approach**. Creative Education, 9, 2385-2393. <https://doi.org/10.4236/ce.2018.915179>
- 2) Newman, W.E, Terry, L., and Bedeschi, F., **Coding as Kernform and Kunstform**, submission to Journal of Architecture Education, Theme Issue 42:2019, *pending*
- 3) Messadi, T., and Newman, W.E. (2017) **Immersive Learning of Sustainable Building Design and Construction Practices**, Journal of Civil Engineering and Architecture 11 (2017) 841-852 doi: 10.17265/1934-7359/2017.09.003

- 4) Newman, W.E., **Building Software**, CCA 106th annual Conference, Los Angeles, Feb. 21-14, 2018
- 5) Newman, W.E., **Counter Re-formations of Embodiment**, Log 42: Disorienting Phenomenology, Winter/Spring, Mar. 2018, pp. 34-36
- 6) Newman, W.E. and Shahin 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
- 7) Vassigh S, Newman W.E., Mostafavi A, Behzadan A (2015) **Hybrid Technologies for Interdisciplinary Education**. J Civil Environ Eng 5: 201.doi: 10.4172/2165-784X.1000201
- 8) Newman, W. E., **Architecture Theory in the 19th century**. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition, 2014
- 9) Newman, W. E., **Architecture Theory in the 20th century**. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition, 2014
- 10) Newman, W. E., **Architecture Theory in the Enlightenment**. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition, 2014
- 11) Newman, W. E., **Contemporary Theory in Architecture**. In J. Mattingly and G. J. Golson, editors, *Encyclopedia of Theory*, volume 1. SAGE Publications, 1st edition, 2014
- 12) Vassigh, S, W. E. Newman, A. Behzadan, Y. Zhu, S-C. Chen, S. Graham, **Collaborative Learning in Building Sciences Enabled by Augmented Reality**, *American Journal of Civil Engineering and Architecture*
- 13) 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
- 14) Vassigh, S., Y. Zhu, W. E. Newman, **Leveraging Cyber-infrastructure to Transform Building Science Education**. *Journal of Architecture Engineering Technology*, 1(105): doi: 10.4172/2168-9717.1000105, 2012
- 15) Newman, W. E., S. Vassigh, and Y. Zhu. **Matter as Energy**, *Journal of Engineering Technology*, GSTF JET, 2(2): DOI: 10.5176/2251 3701 2.2.71, 2013
- 16) Newman, W. E. and A. Drisin. **War and Architecture, Theme Issue**. *Journal of Architectural Education*, 61(3): 3-4, Introduction, Dec 2007
- 17) Newman, W. E., **Understanding Ordinary Perspective**. *Ecumene*, 1(1):online, January 2004

PROCEEDINGS, RESEARCH PAPERS

- 1) 2017. Proceedings: Messadi, T. and W.E. Newman, “Immersive Learning of Sustainable Building Design and Construction Practices,” Association for the Advancement of Sustainability in Higher Education (AASHE) Conference, 2016
- 2) 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
- 3) 2014. Newman, W. E., **Early Issues in Space Perception**. In M. Allan, editor, *Neuro-Logics: The Brain and the Experience of Architecture*, University of Toronto, April 2014
- 4) 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

- 5) 2014. Newman, W. E., Shu-Ching Chen, Shahin Vassigh, Scott Graham, Keqi Zhang, **Immersive Computing Environments for the Environment**, ACSA 102nd Annual Meeting, Globalizing Architecture, April 10-12, 2014, Miami, FL/USA
- 6) 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
- 7) 2014. Newman, W. E. and S. Vassigh, **Sustainable Development and Interdisciplinary Education**, 2014 One Voice International Conf., May 31, 2014, Orlando, FL/USA
- 8) 2014. Newman, W. E., **Data Visualization for Advanced Site Analysis**, 2014 Design Communication Conference, October -1-04, 2014, Atlanta GA/USA
- 9) Newman, W. E., **Applied Mapping for Beginning Design**. In E. Oskey, editor, National Conference on the Beginning Design Student 2013 Actions: Making of Place: 131–139. National Conference on the Beginning Design Student, April 2012, blind peer-review
- 10) 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, blind peer-review
- 11) 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, blind peer-review
- 12) Newman, W. E., **Putting Florida on the Map**, Florida History Society, University of Florida, May 23-16, 2013, accepted not attended
- 13) 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
- 14) Newman, W. E., **Space, Place and the Ideology of the Map after CIAM**, Habitus 2000 Conference, Perth Australia, invited; not attended

CHAPTERS IN BOOKS

- 15) 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
- 16) 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

- 17) Newman, W.E. Essay, **Semi-Automatic What?** for exhibit, Semi-Automatic, Frank Jacobus and Marc Manack, curators and exhibit design, Fay Jones School of Architecture + Design Gallery, Oct 21-Dec. 20, 2015
- 18) 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, November, 2010

- 19) Newman, W. E., **Traces and Movement**. Supported by Freies Museum Berlin, Zero Project, der Ort Galerie, December 2009: 13-17
- 20) Newman, W. E., **Zwischen Bewegung und Bewegung: Die Fotografischen Arbeiten von Aurore Millet**. Supported by Kunsthalle Vierseithof im Luckenwalde, 2009: 3-4
- 21) 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*: 74–75. Harvard University Press, 2007
- 22) 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
- 23) Newman, W. E., **Advanced studio: Museum in Torcello**. In Harvard University Graduate School of Design, editor, *Studio Works 6*, number 6 in *Studio Works*: 88–89. Princeton Architectural Press, 1999
- 24) Newman, W. E., **Advanced studio: Mediatheque**. In Harvard University Graduate School of Design, editor, *SW 5*, number 5 in *Studio Works*: 78–79. Princeton Architectural Press, 1998
- 25) Newman, W. E., **Body, Self and Other**. In S. J. Weiss, editor, *Paratactics*, volume 1: 13–17. Harvard Graduate School of Design (GSD), 1997

BOOKS

- 26) 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>
- 27) 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.
- 28) 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 also includes basic engineering analysis and structural diagrams in an interactive DVD to augment the written examples.

PRESENTED PAPERS/LECTURES

- 1) Bafna S. (presenter), Yoonjeong Lim, Kinsuk Maitra, Winifred E. Newman, Manazi Shah, paper **“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.
- 2) Invited Panelist/Speaker at the 3rd Annual Higher Education Campus Alliance for Advanced Visualization (CAAV) Conference, Philadelphia, Villanova University, 5-7th November 2018
- 3) Bafna, S., W. E Newman (presenter) and K. Maitra, **“Home as Health Intervention,”** Academy of Neuroscience and Architecture, Sept. 20-22, 2018, Salk Institute for

- Biological Studies, La Jolla, CA
- 4) Clemson University, PDBE Colloquium, “**Mapping as Synecdoche in Research**,” Sept. 7, 2018
 - 5) Newman, W.E., Oklahoma University, “**Applied Mapping for Design Thinking**,” Mar. 21, 2018
 - 6) Newman, W.E., Arizona State University, “**Architecture Education 2010 or What would Vitruvius Do?**,” Mar. 19, 2018
 - 7) Newman, W.E., Clemson University, “**What is a Building?**,” Feb. 20, 2018
 - 8) Newman, W.E., University of Arkansas Rome Center, general talks, Mapping and Design Thinking, Sp. 2018
 - 9) Newman W.E., “**I was Thinking...**,” Public lecture for Missouri Historical Society Jefferson Award in honor of Gyo Obata, coordinated with public education event for secondary schools, St. Louis, MO, Nov. 2-3, 2017
 - 10) Newman, W.E., **Data Visualization: Organizing the Map V.2**, at University of Arkansas GIS Day, Nov. 16· 2016
 - 11) Newman, W.E., Invited Speaker, “**Mixed Reality in Design and Academics**”, Colorado State University, Virtual Reality Symposium, Oct. 21, Ft. Collins, CO, 2016
 - 12) Newman, W.E., Keynote Address, “**New (Old) Directions in Computer Augmented Virtual Reality**”, First Annual CAAV Conference, Jun 3, Denver, CO, 2016
 - 13) Newman, W.E., Poster: **Mapping Space to Map Spatial Perception for Healthy Living**, Neuroscience Research Symposium, University of Arkansas, 2015
 - 14) ACSA Webinar fro Fay Jones School of Architecture and Design, Fall 2016. Webinar abstract: TITLE: *Fay Jones School of Architecture + Design: A Culture of Making*
 - 15) Newman, W.E., Invited panelist, Panel topic: 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
 - 16) Newman, W.E., **Data Visualization: Organizing the Map**, at University of Arkansas GIS Day, Nov. 18· 2015
 - 17) Newman, W.E., **New (Old) Directions in Architecture**, Architecture and Design Network Lecture Series, Little Rock, AR, Dec. 8, 2015
 - 18) Newman, W.E. **Your Brain on Your House: Neuroaesthetics and Ecological Psychology**, University of Chicago’s NEURO (Neuroscience Education, University Research and Outreach) Club, Oct. 24, 2016
 - 19) Newman, W. E., **Body as Experiment**. Conference, Body and Technology: Instruments of Somaesthetics. Center for Body, Mind, and Culture, Florida Atlantic University, January 24-25 2012. Conference Chair Richard Shusterman
 - 20) Newman, W. E., Invited Lecture, “**Architecture and Technology**,” FIU School of Architecture Lecture Series, Jan 19, 2012
 - 21) Newman, W. E., Invited Lecture, “**Problems in Applied Mapping**,” University of Miami GIS Department Symposium, January 12, 2012
 - 22) Newman, W. E., Invited lecture, “**Introduction to Mapping**,” FIU Spring Design Charrette, 2012, 2013
 - 23) W. E Newman, Invited lecture, “**Mapping Basics**,” FIU First Year Design, 2012, 2013
 - 24) Newman, W. E., Invited lecture, “Directions in History/Theory of Architecture,” University of Nebraska, 2011
 - 25) Newman, W. E., Invited lecture, “Directions in History/Theory of Architecture,” University of Wisconsin, Milwaukee, 2011
 - 26) Newman, W. E., Invited lecture, “Directions in Architecture History/Theory,” Technion University, Haifa Israel, 2011
 - 27) Newman, W. E., Invited lecture, “Directions in History/Theory of Architecture,” North Carolina State University, 2011

- 28) Newman, W. E., Invited lecture, "Directions in History/Theory of Architecture," Florida International University, 2011
- 29) 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
- 30) Newman, W. E., Invited Lecture, "**Kites, Cars and Turtles and Lightweight Fabrication**," Washington University in St. Louis, St. Louis, Missouri, 2010
- 31) Newman, W. E., Invited lecture, "Perspectiva Artificialis: Architecture and Technology," Washington University in St. Louis, 2010
- 32) Newman, W. E., Invited Lecture, "**The Thickness of Technology: Fortifications of Vauban**," Washington University in St. Louis, St. Louis, Missouri, 2010
- 33) Newman, W. E., Invited Lecture, "**Panorama as Symptom and Dream: European Urban Representations of the Industrial Age**," History Department Colloquium, Washington University in St. Louis, St. Louis, Missouri/USA, 2010
- 34) Newman, W. E., **The (mostly) Mechanical Eye: Physiological Psychology and Perception of Space in the Empiricist Science of Mind**. In *Architecture, Technology and the Historical Subject*, Ecole Supérieure, Paris, 2007
- 35) 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

ARTICLES/REVIEWS/NEWSPAPER ARTICLES

- 1) "University of Arkansas Showcases Neuroscience Research," University of Arkansas News, Monday, August 8, 2016
- 2) 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
- 3) 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.

EXHIBITIONS/POSTERS

- 4) 2017: AASHE Conference, poster, "Cyber-Innovation in the STEM Classroom," NSF-IUSE research project, Collaborative Learning using Augmented Reality
- 5) 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, 2017.
- 6) Poster "Mapping Space to Map Spatial Perception for Health Living" submitted for **Research Showcase: Brain Research and Neuroscience**, Mar. 1, 2016, University of Arkansas Office of Research and Sponsored Projects.
- 7) Poster "Data Analytics and Visualization Across the Disciplines", Drs. Newman and Maitra, submitted for **Research Showcase: Data Analytics**, Apr. 10, 2017, University of Arkansas Office of Research and Sponsored Projects.
- 8) 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, 2016.
- 9) 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

- 10) 2013: Exhibit, **FACULTY WORK**, Miami Beach Urban Studio's Main Gallery, Spring 2013. Curated by Nikolai Nedev. Work selected for exhibit included current research in neuroscience and architecture and current book projects, *Imaginative Beholding* and *Engineering Aesthetics*
- 11) 2012: Exhibit, "**Synthetic Ideologies: The Post-War Architecture Machine**," BEA Gallery, School of Architecture, Florida International University. April 16-June 1, 2012. 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. The exhibit book, entitled *Synthetic Ideologies*, published Fall 2012
- 12) 2010: Exhibit, **Window–Zoom/Capture: The Landscapes of Patty Heyda**, Curator, Art St. Louis Gallery, March 20-April 19, 2010
- 13) 2010: Exhibit, **Applied Mapping**, Curator, Steinberg Gallery, April 15-March 2, 2010 Sam Fox School of Art and Design
- 14) 2010: Exhibit, **Architecture in Detail: Case Studies in 20th century Architecture**, Curator, Givens Gallery, Feb. 3-25, 2010, Samfox School of Art and Design,
- 15) 2008: Exhibit, **Transparency**, under direction of curator E. Blau, Harvard University Graduate School of Design, W. E Newman, Research Fellow, exhibit scheduled not completed, Busch-Reisinger Museum, Harvard University
- 16) 2004: Exhibit, **Design/Recline: Modern Architecture and the Mid-Century Chaise Longue** Features Works Designed 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
- 17) 2003: Exhibit, **Hyper-Space: The Queens Plaza Competition 2003**, work of W. E. Newman and Fieldoffice, LLC, Givens Hall, Washington University in St. Louis
- 18) 2002: Exhibit, **Living Box I**, Exhibit of Studio Work, curator W. E. Newman, includes exhibit publication: *Living Box I, Studio Work*, Givens Hall Gallery, Feb. 14- March 16, Washington University in St. Louis, 2002

FUNDED CONFERENCES

- 19) 2014. Cejas Symposium, **Building 2050**, Co-organizer with Nick Gelpi, sponsored by the Cejas Foundation Grant FIU, Spring 2015, *pending*
- 20) 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. Founded by W. E. Newman in 2005, administered by B. Elfman, Adv. Studies Program Coordinator Harvard University Graduate School of Design. Organized first conference in the series, "Cambridge Talks 01: Politics and History of Architecture," Oct. 2006.
- 21) 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) 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, Total Budget: \$217,695, *ongoing*

- 2) 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*
- 3) **Research Funds from RSSP University of Arkansas**, \$275,000 Awarded to Dr. Newman, July, 2015, *ongoing*

GRANT PROPOSALS

- 1) 2017: **TEAM up for STEAM-H: To increase vitality, educational success and better community health**, Dr. Shilpa Iyer (Biological Sciences), PI; Drs. Gary Prinz (Civil Engineering), Raj Rao (Biomedical Engineering), Winifred E. Newman (Architecture) and Prof. Frank Jacobus (Architecture), Co-PIs, \$150,000
- 2) 2017: **Cognitive Mapping in Ancient Pompeii (CMAP)**, Dr. David Fredrick (Humanities), PI; Drs. Winifred E Newman (Arch), John Gauch (Computer Science), Jeff Murray (Geo. Sci.), Rhodora Vennarucci (Hum.) and Mr. Bedeschi (Rome Center), CoPIs, \$147,175
- 3) 2017: **Enhancing and Broadening Collaborative Student Learning through Augmented Reality**, Dr. Andrew Braham (Civil Engineering), PI; Drs. Tahar Messadi (Arch), Winifred E. Newman (Arch) and Darin W. Nutter (Mechanical Engineering), Mr. Mike Johnson (Dir. Facilities Management), Co-PIs, \$151,411
- 4) 2017: **Collaborative Training Research—Mixed Reality and Motion Capture Training Platform**, Dr. Philip Crandall (Agri.), PI; Drs. Winifred E. Newman, Jeff Clark (Agri.), Tara Dryer (Global Campus), Sim Harbor (Engineering), Han-Seok Seo (Food Sci.), Co-PIs, \$156,000
- 5) 2017: **Arkansas CARES: Collaborative Aging Research and Education Strategies**, Dr. Jennifer Webb (Int. Des.), PI, Drs. Winifred E. Newman (Arch), Michelle Gray (HHS), Tim Killian (Hum. Env. Sci.), Aubrey Weymiller (Nursing), Philip Crandall (Agri.), Co-PIs, \$148,819
- 6) 2015: **Microsoft Hololens Grant: Using Hololens-based Augmented Reality in Next-Generation Building Information Management**, David Fredrick (PI), Rhodora Vennarucci (Co-PI), Winifred Newman (Co-PI), Rebecca Benefiel (Co-PI), \$160,000
- 7) 2015: **Microsoft Hololens Grant: Teaching Teachers: Using Hololens in Education**, Winifred Newman (PI), John C. Pijanowski (Co-PI), \$149,000
- 8) 2015: **Microsoft Hololens Grant: The Archaeology of Spatial Cognition: Through the Hololens toward Holistic Cognitive Geography in Pompeii**, David Fredrick (PI), Winifred Newman (Co-PI), Rhodora Vennarucci (Co-PI), \$189,000
- 9) 2014: **NSF-CRI, II-NEW, Distributed Multi-Layer Research Infrastructure for Disaster Information Management**, Shu-Ching Chen, PI; Jason Lu, W. E. Newman, Xudong He, Tao Li, Co-PIs, Total Budget: \$750,000
- 10) **NSF-IUSE-Exploration, Strategies for Learning: Augmented Reality and Collaborative Problem-Solving for Building Science**, Shahin Vassigh, PI; W. E. Newman, Ali Mostafavi, Amir Behzadan, Co-PIs, Total Budget: \$217,695, *awarded*
- 11) **NCARB: Collaborative Learning for Sustainable and Resilient Building Design Enabled by Augmented Reality**, W. E. Newman and Shahin Vassigh Co-PIs, Total Budget: \$35,000
- 12) **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, Total Budget: TBD
- 13) **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 Shu-Ching Chen, Co-PIs: S. Vassigh, S. Crowl, W. E. Newman, Sr. Investigator, Total Budget: \$2,999,604
 - 14) 2014: **District 11: Strategic Communication Study**, PI: W. E Newman, Co-PI: Carlos Parras (Business), Kevin Greiner (MET Center/CARTA), Total Budget: \$35,000*
 - 15) **Urban Design Corridor Study at Hallandale Blvd., Hallandale, FL**, joint proposal with Metropolitan Center, PI: Edward Murray, Co-PI: W. E. Newman, Total Budget: \$29,000
 - 16) 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, Total Budget: **\$11,397,120**, <http://cake.fiu.edu/TIGER2013/>
 - 17) 2014: **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, Shu-Ching Chen, Xudong He, W. E. Newman, Sr. Investigator, Total Budget: \$400,000*
 - 18) **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), Total Budget: \$1.2M*
 - 19) 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), Total Budget: **TBD**
 - 20) 2014: Knight Foundation Grant, ***Community Design Practice: Cultivating Public Space & Place***, PI: A. Drisin, Co-PIs: W. E. Newman, D. Rifkind, Total Budget: **\$125,000**
 - 21) 2014: US ArtPlace, ***Miami ArtsCity Design Practice***, PI: A. Drisin, Co-PIs: J. Chandler, B. Schriener, R. Rovira, W. E. Newman, N. Nedev, Total Budget: **\$359,850,000**, pending
 - 22) 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, Total Budget: **\$50,000**
 - 23) 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***, Total Budget: **\$6,000** (selected again for 2014)
 - 24) 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, Total Budget: **\$1,361,000**

- 25) 2012-ongoing: **FIU Center Proposal, Center for Sustainable Built Environment and Informatics (SBEI)**, an effort organized by an interdisciplinary group of faculty 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.
- 26) 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), Total Budget: **\$30,000**, *pending*

FUNDED RESEARCH

- 1) 2015: FIU SCIS-DoD/CREST, **Center for Environmental Aquatic Chemistry & Ecotoxicology (CEACE)**, Todd Crowl, PI; multiple Co-PIs from engineering, social science, science and computer science; W. E. Newman, Sr. Investigator involved in the Education Program for CEACE, Total Budget: \$25,000,000, *awarded*
- 2) 2015: FIU Technology Fee, **Computer Augmented Immersive Environment: A Dynamic Educational Instrument**, Award # , PI/PD W.E. Newman (SOA), Team: Scott Graham (CS), Steve Luis (CS), Eric Johnson (CS), Mike Kirgen (UTS/HPC), Shu-Ching Chen (CS), Nezih Pala (ECS), Total Budget: **\$305,000***
- 3) 2014: FIU Technology Fee, **Computer Augmented Immersive Environment: A Dynamic Educational Instrument**, Award # , PI/PD W.E. Newman (SOA), Team: Scott Graham (CS), Steve Luis (CS), Eric Johnson (CS), Mike Kirgen (UTS/HPC), Shu-Ching Chen (CS), Nezih Pala (ECS), Total Budget: **\$502,365***
- 4) 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). Total Budget: **\$95,678**
- 5) 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 (CARTA-LA), J. Acuna (Med), E. Murray (Met Center), S. Graham (CSI), J-H. Kim (Eng), A. Azizinamini (Eng), N. Szeinblum, F. Alonso, Total Budget: **\$11,397,120**, <http://cake.fiu.edu/TIGER2013/>, ongoing
- 6) 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), Total Budget: **\$368,000**, part of the TIGER-2013
- 7) 2014: **Cejas Family Foundation Research Award**, Florida International University, Total Budget: **\$2,350**, 4.5 months
- 8) 2013: **Cejas Family Foundation Research Award**, Florida International University, Total Budget: **\$2,000**, 4.5 months
- 9) 2012: **Wolfsonian-FIU Research Grant**, Wolfsonian-FIU, Total Budget: **\$5,000**, 1.5 months, completed

- 10) 2011: **Graham Foundation for the Advancement of the Arts Grant for Research to Individuals**, Total Budget: **\$5,000**, 1.5 months, summer, completed
- 11) 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-Ch. Chen (SCIS); S. Graham (SCIS), S. Luis (SCIS), N. Pala (ECE); S. Vassigh (SOA), T. Spiegelhalter (SOA) and W. E. Newman (SOA), Total Budget: **\$30,000**, completed
- 12) 2001-2003: **University of Tennessee Reagan Fund Grant**, Co-PI/PD W. E Newman and A. Drisin, Total Budget: **\$4,500**, completed
- 13) 2001-2003: **Washington University Visual Arts and Design Center Grant**, Co-PI/PD W. E. Newman and L. Stouffer, Total Budget: **\$3,500**, completed

RESEARCH GRANT PROPOSALS SUBMITTED, NOT FUNDED

- 1) 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, Total Budget: **\$922,028**
- 2) 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, Total Budget: **\$521,000**
- 3) 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 Internal Application. 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]_{SEP} Total Budget: **\$1,250,186**
- 4) 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. Total Budget: **\$1,205,640**
- 5) 2012: Tech Fee Grant, Florida International University, Co-PIs S. Vassigh, W. E. Newman, 07/2012 - 07/2015, Total Budget: **\$120,000**, 3.3 months
- 6) 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, Total Budget: **\$68,000.00**
- 7) 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, Total Budget: **\$548,515**
- 8) 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 – will revise and submit in 2014.

- 9) 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, 02/13/2012, Total Budget: **\$745,118**
- 10) 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, Total Budget: **\$29,673**
- 11) 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, Total Budget: **\$20,000,000**
- 12) 2012: **FIU Writing Across the Curriculum (WAC), WAC Grant to Faculty Cohort**, Co-PIs G. Read, D. Rifkind, and W. E. Newman. Total Budget: **\$12,700**
- 13) 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***, Total Budget: **\$6,000** (selected again for 2013, pending)
- 14) 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, Total Budget: **\$3,431,000**
- 15) 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 10/11, 2011. ^[1]_[SEP] Total Budget: **\$750,000**
- 16) 2011: **Knight Foundation Grant, UniversityCity Community Engagement Charrette**, PI/PD: T. Gustafson, Co-PIs: K. Stapleton, W. E Newman, E. Murray. Total Budget: **\$250,000**
- 17) 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, Total Budget: **\$82,848**

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

PATENTS IN PROGRESS

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

SUPERVISED STUDENT THESIS/AWARDS

- 15) Primary Advisor, Honors Thesis, Bachelor of Architecture, Zachary Grewe, “xxxxxx”
- 16) Primary Advisor, Master Project, Master of Art in Architecture, H. Gonzalez, “**Design of a New Studio Environment for Architecture Design Schools**,” Florida International University, 2014.
- 17) Primary Advisor, Master Project, Master of Art in Architecture, M. Jadidi, “**Depth-perception Spatial Modification to the Enhance the Domestic Environment**,” 2013.
- 18) Dissertation Review Committee, H.-Yu Ha, Computer Science, “**Constraint-Driven Model**,” Primary Advisor S-C. Chen, Department of Computer Science and Engineering.
- 19) Dissertation Review Committee, D. Smith, “Hand Nearness and Empathy Response,” Department of Psychology, R. Abrams Dissertation Advisor, Washington University in St. Louis, 2010.
- 20) 2011. **3rd Prize, AWR Award, Loft London Farm Tower Competition**, “Cultivated Carousel,” BGKS MEMBERS TEAM: Faculty Advisor: W. E Newman. Team: J. Buts, C. Galati, A. Sivakumar, United States, Washington University in St. Louis.

- 21) 2010. **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.

FINALIST IN PROFESSIONAL COMPETITIONS

- 22) 1995. **Finalist, Saudi Arabian National Museum Competition**, Riyadh, with G. Obata, Hellmuth, Obata & Kassabaum, St. Louis, Missouri/USA), 1995
- 23) 1995. **Finalist, Shanghai-Pudong International Airport Competition**, (with Hellmuth, Obata & Kassabaum, St. Louis Missouri/USA), 1995
- 24) 1988. **Finalist, Van Alen Institute New York Waterfront Competition**, New York, NY, Van Alen Institute, 1988

HONORS

- 25) 2001. **Commencement Address**, invited, "World-Making," Commencement Address Washington University School of Architecture.

PROFESSIONAL SOCIETIES

SERVICE TO ASSOCIATIONS/SOCIETIES

- 1) 2015-present: Vice President, The **CAAV Higher Education Campus Alliance for Advanced Visualization**
- 2) 2010: St. Louis Chapter **AIA Drawing Competition**, jury member.
- 3) 2003-present: Numerous **Guest Lectures, Design Studio Critics, Directed Research Consultancies** at 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 and others.

MEMBERSHIP IN ASSOCIATIONS/SOCIETIES

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

OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

ACTIVITIES AS A REFEREE AND ASSOCIATED EDITOR

- 1) Invited, Super Jury reviewer for Oklahoma University School of Architecture Program, May 13, 2017.
- 36) Judge, Colorado State University, Virtual Reality Hackathon, Oct. 21, Ft. Collins, CO, 2016
- 2) Co-organizer with Shahin Vassigh, Genoa Fall Workshop, "Applied Mapping," Nov. 3 – 14, FIU Genoa Program and UniGe, Genova, It.
- 3) 2012-present. Editor-in-Chief, *Open Journal of Architecture Design*, SCIKNOW Publications, Ltd.
- 4) 2012-present. Editor at large, *Architecture & Environment*, SCIKNOW Publications, Ltd.
- 5) 2012-present. Editor-at-large, *Journal of Computer Graphics, Visualization and Computer Vision*, SCIKNOW Publications, Ltd.
- 6) 2013. Sixth HTC (History/Theory and Criticism) Workshop for FIU School of Architecture, 20-21 February 2014, Faculty respondent
- 7) 2013. Architectural Research Centers Consortium 2013 National Research Conference, Charlotte, NC, March 27-30, 2013, Session moderator and reviewer.
- 8) 2012. 15th SACRPH 2013, Toronto, CA, Moderator/Commentator
- 9) 2013. Building Technology Educators' Society, ACSA 102nd Annual Meeting^[1]_{SEP} Special Focus Session: Building Technology Educators' Society ACSA Annual Meeting in Miami, Florida in April 2014, reviewer
- 10) 2013. ACSA 102nd Annual Meeting, Globalizing Architecture, April 10-12, 2014, Miami Beach, FL, Panel reviewer
- 11) 2013 ARCC/EAAE 2014 International Conference, Hawaii, Asia Pacific/USA, Feb. 14-19, reviewer.
- 12) 2012. Wolfsonian-FIU Fellowship Program, Reviewer
- 13) 2012. AIA St. Louis Drawing Awards, Jury
- 14) 2012. Louisiana State University, Master Thesis, invited jury
- 15) 2012. Harvard University Graduate School of Design, Master of Design and Master Thesis, invited jury
- 16) 2011. Harvard University Graduate School of Design, Master Thesis invited jury
- 17) 2011. Georgia University of Technology, School of Architecture, Graduate projects, invited jury
- 18) 2011. HOK-Obata Archive at Washington University in St. Louis, consultant
- 19) 2008-2011. Board member, Editorial Board of the *Journal of Architecture Education*
- 20) 2010. Newman, W. E., *Notes on Writing: An Abbreviated Guide to Style for Writing at the Graduate Level*, commissioned by the Harvard Graduate School of Design.
- 21) 2005. ACSA, National Conference, Chicago, Ill., Reviewer
- 22) 2004. ACSA, International Convention, Helsinki, Finland 2004, Session Moderator
- 23) 2000. ACSA, National Conference, Los Angeles, CA, Reviewer

SERVICE TO THE COMMUNITY OR PUBLIC

- 24) Faculty participant in Miami Design Charrette, Tropical Audubon Society, "Applying Environmental leadership Skills to Miami's Challenges in Resiliency & Sustainability", Saturday, June 21, Environmental Leadership Workshop Series, www.tropicalaudubon.org
- 25) 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/>
- 26) 2011. **University City Alliance**. Funded public Charrette for **UniversityCITY Grant**, Co-directed with A. Drisin, J. Stuart, R. Rivera, This public charrette was the initial effort toward the currently funded 12.2M TIGER Grant. The TIGER funds will build 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.
- 27) 1999-2001. Central West End Planning Board, Board Member

UNIVERSITY SERVICE

SERVICE TO THE DEPARTMENT

- 1) Initiated **Architecture Database Project**, online searchable resource for student work: <http://uaadp.omeka.net/>
- 2) Co-Coordinators, W. E. Newman and M. Bisnett, Technology Services (Software/Storage) for SOA: new A-Drive, HPC/VCL
- 3) Fall 2011-present: Curriculum Committee Member, School of Architecture, Florida International University.
- 4) Fall 2011-present. Faculty Member, Lectures and Exhibitions Committee
- 5) Fall 2011-SP 2012: Faculty Search Committee Member, Urban Design and Preservation Research Position, School of Architecture.
- 6) Fall 2012-present. Director of Advanced Studies, initiated re-design of existing 36-credit Master of Arts in Architecture program.
- 7) 2012-13: **Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant**, Florida International University 01/15/2012-05/05/2012, Total Budget: 10,000.00, awarded
- 8) 2011-12: **Research and University Graduate School Enhancement of Doctoral Student Recruitment Grant**, Florida International University 01/15/2012-05/05/2012, Total Budget: 10,000.00, awarded
- 9) 2012: **University Graduate School Colloquium Enhancement Initiative**, Total Budget: 3,000, awarded
- 10) Fall 2011-present: *Member, Master's Project and Thesis Committee*, Department of Architecture, Florida International University.
- 11) Spring 2012: **FIU Writing Across the Curriculum** helped develop proposal in collaboration with G. Read and D. Rifkind.

SERVICE TO COLLEGE

- 12) Co-Chair, **FJSoA+D Technology Committee**, 2015-17
- 13) 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, Sp 2015.
- 14) **Search and Screening Committee**, Department of Occupational Therapy, invited
- 15) Sp2015. Master Class for the Young Arts Foundation Program, Miami, invited
- 16) Sp 2014. Master Class for the Young Arts Foundation Program, Miami, invited
- 17) Sp 2013. Grant Writing Specialist, Staff Position at FIU, Interview Committee
- 18) Fall 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 Architecture), Assoc. Prof. W. E. Newman (Architecture), and Assist. Prof. S. Sherman (Interior Architecture).

SERVICE TO UNIVERSITY

- 27) Ad-Hoc Committee for **Health and Aging**, founding members: W.E. Newman (Arch), Phillip Crandell (Agri), Jennifer Webb (Ides); Michelle Gray (HS), Leah Jean Henry (Nursing), Ro DiBrezzo (Phy), Alishia Ferguson (xxxx), Jeffrey Clark (Agri), Timothy Killian (HS), Bettie Miller (xxxx), Audrey Weymiller (xxxx), Susan Patton (xxxx)
- 28) Ad-Hoc Committee for the **EPA CUPP Program**, University of Arkansas, Faculty from 10 departments on campus, 2016
- 29) Ad-Hoc Committee at FIU for the **EPA CUPP Program**. Members: Co-Chairs: W. 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. Crowl (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
- 30) 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 (Agr), W.E. Newman (Arch)
- 31) **Ad-Hoc Committee 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.
- 32) **Provost Search Committee**, member, Spring-Fall 2016
- 33) Appointed to the **University Campus Planning Committee**, University of Arkansas, 2015
- 34) Appointed to the **University Fulbright Committee**, FIU, 2014-15
- 35) Fall 2014: **University Carnegie-Mellon VHR Planning Committee**, FIU
- 36) Fall 2011-present. Core member of working research group, **Center for Sustainable Built Environments and Informatics (SBEI)**, School of Architecture, Engineering and Computing, and Arts & Sciences. Members: S. Vassigh (SAO), S-C. Chen (SCIS), W. E. Newman (SOA), S. Graham (SCIS), L. Scinto (SERC/AS), N. Pala (ECE), 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).

19) Fall 2014: Chair, University Graduate Council, CARTA Faculty Representative

20) Fall 2012: Vice-Chair University Graduate Council, CARTA Faculty Representative

21) Fall 2012: Reader, UGS Provost Award for ^[i] ~~SEP~~ Graduate Student Outstanding Paper or Manuscript

PROFESSIONAL EXPERIENCE

FieldOffice, LLC	Principal and Co-Founder	2005-present
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

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

Work with Gyo Obata on the design of a range of projects, 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*