
NANCY YEN-WEN CHENG

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ACADEMIC POSITIONS

UNIVERSITY OF OREGON

2002-present	University of Oregon (UO) Architecture Department	Associate Professor
2018-Mar 2021	UO Architecture Department	Department Head
2017-present	Oregon State University, Wood Science & Engineering	Courtesy Assoc. Prof.
2014 Mar-June	RMIT University, Melbourne	SIAL Visiting Associate Professor
2014 Jan	Carnegie Mellon University, Studio for Creative Inquiry	Visiting Scholar
2009-2013	Portland Architecture Program	Director
1996-2002	University of Oregon (UO) Architecture Department	Assistant Professor
1993-1996	University of Hong Kong (HKU), Department of Architecture	Lecturer
1995	Massachusetts Institute of Technology	Visiting Scholar

EDUCATION

1990	M.Arch., Harvard Graduate School of Design
1983	B.A. cum laude, Yale University, Arch & Engineering (Mech) double major

PROFESSIONAL LICENSURE

2009	Leadership in Energy and Environmental Design	Accredited Professional
1994	NCARB certified	Registered Architect - Massachusetts 9051 (inactive)

PROFESSIONAL POSITIONS

2013	Shanghai Xian Dai Architectural Group, October-November	Visiting Residency
1990-1993	Kallmann McKinnell & Wood Architects, Boston	Architect, CAD manager
1990	Raphael Moneo & Associates, Cambridge	Computer renderer
1988, 1989	Tams Consultants Inc., Boston	Designer
1986	CBT Inc., Boston	Designer/draftsman
1984-1986	Graham/Meus Inc., Boston	Project manager
1983-1984	Mark Mitchell & Assoc., Cambridge	Design team
1979-1980	Northeast Solar Energy Association, Boston	Intern

SCHOLARSHIP - PUBLICATIONS

JOURNAL ARTICLES

1. Riggio, M. and N. Cheng (2021) "Computation and Learning Partnerships: lessons from a wood Architecture, Engineering and Construction partnership", *Education Sciences* *Education Sciences*. 2021; 11(3):124. <https://doi.org/10.3390/educsci11030124>
2. Scalise, K., N. Cheng, and N. Oskui. (2009) "Rasch Family Models in e-Learning: Analyzing Architectural Sketching with a Digital Pen", *Journal of Applied Measurement*, JAM Press. Fall 2009; 10(3):281-95. <https://www.ncbi.nlm.nih.gov/pubmed/19671990>

- (2011) Reprinted in *Advances in Rasch Measurement, Volume Two*, edited by Nathaniel J. S. Brown et. al. (ISBN 978-0-9755351-8-1), JAM Press, 2011.
- 3. Cheng, N. (2006) "Learning design sketching from animations and storyboards", *International Journal of Architectural Computing*, Vol. 4, Issue 1, January 2006, pp. 1-17. invited, developed from best papers of CAAD Futures 2005 conference. <https://doi.org/10.1260/147807706777008984>
- 4. Cheng, N. (2003) "Approaches to Design Collaboration Research", *Automation in Construction Journal*, Volume 12, Issue 6, November 2003, Pages 715-723. [https://doi.org/10.1016/s0926-5805\(03\)00059-1](https://doi.org/10.1016/s0926-5805(03)00059-1)

CONFERENCE PROCEEDINGS – BLIND PEER-REVIEWED FULL PAPERS

1. Mark, E.; N. Cheng; M. Zad; G. Aaraj & J. Kieferle, "A Min-Max Protocol for Adaptive Refugee Housing", *International Conference of Structures and Architecture*, Aalborg, Denmark, July 6-8, 2022. (Abstract accepted, full paper to be reviewed)
2. Riggio, M. and Cheng, N. "Timber tectonics in the digital age: interdisciplinary learning for data-driven wood architecture", *International Conference of Structures and Architecture*, Lisbon, Portugal, July 2019. in *Structures and Architecture: Bridging the Gap and Crossing Borders*, ISBN 9781315229126 <https://doi.org/10.1201/9781315229126-67>
3. Cheng, N. "Shaping Light with Cut and Folded Surfaces" paper and presentation, Illuminating Engineering Society Annual Conference: My Light, Portland, August 2017 pp. 182-188. ISBN: 978-1-5108-5025-5
4. Muehlbauer, M.; N. Cheng; M. Latifi-Khorasgani et. al. (2016) Air Flow Visualisation Towards the Design of Breathing Skins. Simulation for Architecture and Urban Design SIMAUD 2016, London, England. *Best Student Paper Award* <http://simaud.org/proceedings/index.php#2016>
5. Cheng, N., M. Khorasgani, N. Williams, D. Prohasky, and J. Burry, "Understanding Incident and Filtered Light in the Design of Building Skins", CAADRIA 2015, May 20-23, 2015, Seoul, Korea, pp.323-332. [doi: 10.13140/RG.2.1.3895.6961](https://doi.org/10.13140/RG.2.1.3895.6961) ISBN: 978-988-19026-6-5
6. Cheng, N. and Brian Lockyear. (2014) "Communicating Climate-Smart Scenarios with Data-Driven Illustrations", *ACADIA 14: Design Agency* [Proceedings of the 34th Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA) ISBN 9781926724478] Los Angeles 23-25 October, 2014), pp. 365-374. [doi: 10.15760/trec.57](https://doi.org/10.15760/trec.57)
7. Lilley, B., R. Hudson, K. Plucknett, et. al. (2012) "Ceramic Perspiration: Multi-Scalar Development of Ceramic Material", *ACADIA '12: Synthetic Digital Ecologies* [32nd Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA) ISBN 978-1-62407-267-3] San Francisco, October 18-21, 2012, pp. 97-108.
8. Cheng, N. (2012) "Petal Variations: Surfaces For Light And Shadow Effects" in *Hyperseeing, Special Issue on Shape Modeling International 2012, Fabrication and Sculpting Event & Exhibition*, the International Society of the Arts, Mathematics, and Architecture (ISAMA), College Station, Texas, May 22-25, 2012 pp. 61-71. <http://www.isama.org/hyperseeing/12/12a.pdf>
9. Cheng, N., Abraham Rodriguez and Ashley Koger. (2012) Folded Sun-Shades: from Origami to Architecture, in *Digital Aptitudes, Proceedings of the 100th Annual ACSA Annual Meeting*, March 1-4, 2012, Boston, MA.
5. Cheng, N. and Erik Hegre. (2009) "Serendipity and Discovery in a Machine Age: Craft and a CNC router", *ACADIA 09: reForm() - Building a Better Tomorrow*, ISBN 978-0-9842705-0-7] Chicago (Illinois) October 22-25, 2009), pp. 284-286.

6. Cheng, N. (2009) "Cultivating Collaboration: lessons from cohousing design studios", *The Value of Design, Proceedings of the 97th ACSA Annual Meeting*, Portland, OR, March 2009.
7. Cheng, N. and Andrew McKelvey (2005) Learning Design Process with Digital Sketching: Copying Graphic Processes from Animations and StoryBoards, *CAAD Futures 2005* [Proceedings of the 11th International Conference on Computer Aided Architectural Design Futures / ISBN 1-4020-3460-1] Vienna (Austria) 20–22 June 2005, pp. 291-300. https://doi.org/10.1007/1-4020-3698-1_27
<http://books.google.com/books?isbn=1402036981>. 87 of 172 accepted.
8. Cheng, N. and Edwin Pat-yak Lee (2001) "Depicting Daylighting: Types of Multiple Image Display", in *Reinventing the Discourse, Proceedings of ACADIA 2001* / ISBN 1-880250-10-1, Buffalo (New York) 11-14 October 2001, pp. 282-291.
9. Cheng, N. (2001) Capturing Place: A Comparison of Site Recording Methods, *CAAD Futures 2001 -Proceedings of the Ninth International Conference on Computer Aided Architectural Design Futures* [ISBN 0-7923-7023-6] Eindhoven, 8-11 July 2001, pp. 243-255. https://doi.org/10.1007/978-94-010-0868-6_19
10. Kvan, T., M.L. Maher, N. Cheng, and G. Schmitt (2000) "Teaching Architectural Design in Virtual Studios" in *Proceedings of the 8th International Conference on Computing in Civil and Building Engineering, ASCE 2000* [ISBN 978-0-7844-0513-0] Stanford University, August 14-17, 2000, pp. 162–169. [http://dx.doi.org/10.1061/40513\(279\)21](http://dx.doi.org/10.1061/40513(279)21). Cited by 24 in Google Scholar Feb 2016.
11. Cheng, N. (1999) "Playing with Digital Media: Enlivening Computer Graphics Teaching", *Media and Design Process* [ACADIA '99 Conference Proceedings / ISBN 1-880250-08-X] Salt Lake City 29-31 October 1999, pp. 96-109
12. Cheng, N. (1997) "Teaching CAD with Language Learning Methods", *Representation and Design* [ACADIA '97 Conference Proceedings / ISBN 1-880250-06-3], Cincinnati, OH., 3-5 October 1997, pp. 173-188
13. Cheng, N. (1995) "Linking the Virtual to Reality: CAD & Physical Modeling", *Sixth International Conference on Computer-Aided Architectural Design Futures* [ISBN 9971-62-423-0] Singapore, 24-26 September 1995, pp. 303-311.
14. Cheng, N., et. al. (1994) "Place, Time and the Virtual Design Studio", *Reconnecting* [ACADIA Conference Proceedings / ISBN 1-880250-03-9] Washington University (Saint Louis / USA) 1994, pp. 115-132
15. Wojtowicz, J., et al. (1993) "Asynchronous Architecture", *Education & Practice: The Critical Interface*, ACADIA '93 Proceedings. ISBN 1-880250-02-0] Texas (Texas / USA) 1993, pp. 107-117.

CONFERENCE PROCEEDINGS – BLIND PEER-REVIEWED ABSTRACTS

1. Cheng, N., Earl Mark, Grace Aaraj, Ryan Maruyama & Marziah Zad. "The Architecture of Migration: Teaching Agency in Adaptive Refugee Housing" in the 2021 ACSA/EAAE Teachers Conference: Curriculum for Climate Agency. June 24-25, 2021 virtual conference. (accepted peer-reviewed abstract)
2. Cheng, N. (2012) "Shading With Folded Surfaces: Designing With Material, Visual and Digital Considerations", *Digital Physicality - Education and Research in Computer Aided Architectural Design in Europe (eCAADe'12) Conference Proceedings - Volume 2* / ISBN 978-9-4912070-3-7, Czech Technical University, Prague, 12-14 September 2012, pp. 613-620.
3. Cheng, N., Jeffrey Maas, Nicolaus Wright and William Robert Taylor. (2012) "Shaping Light: an emergent family of shading structures". *National Conference for the Beginning Design Student*, Lincoln, NE. March 2011. *Poster*

4. Alyea, C. and Cheng, N., (2011) " Online / On Target: Reflective Practice through Blogging", *Beginning Of/In the End: Part 1, National Conference for the Beginning Design Student*, Lincoln, NE. March 1-4, 2011.
5. Scalise, K., Cheng, N. and Oskui, N. (2008) "Assessment in E-Learning: Analyzing Architectural Sketching With a Digital Pen", *American Educational Research Association Annual Meeting*, New York, NY, 2008.
6. Cheng, N. (2008) "Analyzing Design Sketching Abilities", *3rd International Conference on Design Computing and Cognition*, Georgia Tech, July 25-28, 2008. poster
7. Cheng, N. (2007) "Mining a Collection of Animated Sketches", *Predicting the Future [eCAADe'07 Conference Proceedings / ISBN 978-0-9541183-6-5]* Frankfurt am Main (Germany) 26-29 September 2007, pp. 447-456
8. Martens, B., Mark, E. and Cheng, N. (2006) "Thresholds between Analog and Digital Representations", *the 24th Education and Research in Computer Aided Architectural Design in Europe Conference Proceedings - eCAADe'06*, ISBN 0-9541183-5-9, University of Thessaly, Volos, Greece, Sept 6-9, 2006.
9. Cheng, N., Kieferle, J. and Grunau, J. (2005) "Intercontinental Seating, Digital Design: The Quest for New Paradigms" *eCAADe'05 / ISBN 0-9541183-2-4 / Lisbon (Portugal)* 21-24 September 2005, pp. 47-54.
10. Cheng, N., Elzeyadi, I. and McKelvey, A. (2005) "Unveiling Design and Cognition Process Through Digital Sketching: Methods and Tools for Environmental Design Research", *Environmental Design Research Association*, Vancouver, Canada, April 2005.
11. Cheng, N. (2004) "Stroke Sequence in Digital Sketching" in the *22nd Education and Research in Computer-Aided Design in Europe (eCAADe) Conference Proceedings / ISBN 0-9541183-2-4*, Copenhagen (Denmark) 15-18 September 2004, pp. 387-393.
12. Cheng, N. and Lane-Cummings, S. (2004) "Teaching with Digital Sketching", *Design Communication Association*, Jan 9-11, 2004, San Luis Obispo.
13. Cheng, N. and Lane-Cummings, S. (2003) "Mobile Tools for Learning About Places", *CAADRRIA'03, Proceedings of Computer Aided Architectural Design Research in Asia*, Thailand. ISBN 974-9584-13-9
14. Cheng, Nancy and Kvan, Thomas (2000) "Design Collaboration Strategies", *Proceedings of the Fifth International Conference on Design & Decision Support Systems in Architecture 2000*, pp. 62-73.
15. Cheng, Nancy and Kvan, Thomas (2000) "Design Collaboration Strategies", *Proceedings of SIGraDi'2000 - Constructing the digital Space [ISBN 85-88027-02-X]* Rio de Janeiro (Brazil) September 25-28, 2000, pp. 45-49.
16. Cheng, N. (1999) "Filling in Missing Links: using the Internet to strengthen a learning community", *ACSA West Regional Conference*, Portland, Oregon, 1999.
17. Cheng, N. (1998) "Wayfinding In Cyberspace - Negotiating Connections between Sites", *CAADRRIA '98 [Proceedings of The Third Conference on Computer Aided Architectural Design Research in Asia / ISBN 4-907662-009]* Osaka (Japan) 22-24 April 1998, pp. 83-92
18. Cheng, N. (1998) "Digital Identity in the Virtual Design Studio", in *Constructing Identity, souped-up" and "unplugged"*, *Associated Collegiate Schools of Architecture (ACSA) 86th Annual Meeting Proceedings*, 1998.
19. Cheng, N. (1996) "Teaching CAD as a Foreign Language", in *CAADRRIA '96 [Proceedings of The First Conference on Computer Aided Architectural Design Research in Asia / ISBN 9627-75-703-9]* Hong Kong (Hong Kong) 25-27 April 1996, pp. 11-20

20. Cheng, N. (1995) "By All Means: Multiple Media", *Design Education, Multimedia and Architectural Disciplines [Proceedings of the 13th European Conference on Education in Computer Aided Architectural Design in Europe / ISBN 0-9523687-1-4]* Palermo (Italy) 16-18 November 1995, pp. 117-128.
21. Bradford, J., Cheng, N. and T. Kvan. (1994) "Virtual Design Studios" in Maver, T., and J. Petric (eds.), *The Virtual Studio, ECAADE'94*, Glasgow, Scotland. Cited by 46 in *Google Scholar Feb 2016*.

EDITED VOLUMES

1. Cheng N. and Kieferle, J. (eds.) (2008) *International Journal of Architectural Computing*, issue on "Performance-based Design", Vol 6, Issue 1, January 2008. Also authors of "More Than Skin Deep: Early Design Evaluation Tools", pp. iii-iv. <https://doi.org/10.1260/147807708784640072>
2. Cheng N. and Pinet, C. (eds.) *IJAC*, issue on "Digital Design Methods", Vol. 4, Issue 2, June 2006. Authors of Editorial pp. iii-iv <https://doi.org/10.1260/ijac.4.2.umk68n072k119107>
3. Beesley, P., Cheng N. and Williamson, S. (2004) *Fabrication: the Digital Practice of Architecture* [Proceedings of the 23rd Annual Conference of ACADIA and the 2004 Conference of the American Institute of Architecture Technology in Architectural Practice (AIA-TAP) Knowledge Community / ISBN 09696665-2-7] Cambridge (Ontario) November 8-14, 2004. University of Waterloo Press, 2004. 440 pages.
4. Cheng N. and Do, E.Y-L. (2003) *IJAC*, issue on "Physical Computing and Tangible Media", Vol. 1, Issue 2, June 2003.

BOOK CHAPTERS

1. Cheng, N., McCarthy, J.; Khorasgani, M.; Muehlbauer, M. and Burry, J. (2017) "Surface Geometry and Airflow for Ventilated Building Facades" in Van Den Wymelenberg, K.; Duffy, K.; Kellett, R.; Hatten, M.; Mhuireach, G.. eds. *Transforming Architecture: A Festschrift in Honor of Professor G.Z. "Charlie" Brown*, University of Oregon. ISBN: 9780692910436
2. Cheng, N. and Kieferle, J. (2011) "Teaching about Shadows" in Peter Petschek and Siegfried Gass's *Constructing Shadows: Tents, Pergolas, Cables, Plants*, [ISBN 978-3034607148] Birkhauser Architecture, May 2011.
3. Wojtowicz, J., Papazian, P., Fargas, J., Cheng, N. and Davidson, J. (1995) "Aspects of Asynchronous and Distributed Design Collaboration" in Wojtowicz, J. (ed.), *Virtual Design Studio* [ISBN 962-209-364-7], HKU Press, 1995, pp. 41-49. <http://www.lib.hku.hk/Press/9622093647.pdf>
4. Wojtowicz, J., Cheng, N. and Kvan, T. (1995) "Postscript: The Virtual Design Studio 1994" in Wojtowicz, J. (ed.), *Virtual Design Studio* [ISBN 962-209-364-7], HKU Press, pp. 130-154. <http://www.lib.hku.hk/Press/9622093647.pdf>

INVITED PUBLICATIONS

1. Cheng, N. (2017) "Surface into Form" *UO KTISMA Student Journal*.
2. Cheng, N. (2011) Foreword: The Need for Nimble Thinking, ACADIA 11: Integration through Computation [Proceedings of the 31st Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA)] [ISBN 978-1-6136-4595-6] Banff (Alberta) 13-16 October, 2011, pp. 18-19
3. Hager, L., Bramhall, R., Cheng, N. and Alyea, C. (2011) *Final report - University of Oregon*, Inter/National Coalition of Electronic Portfolio Research, Feb 2011. <http://ncepr.org/finalreports/cohort5/UO%20Final%20Report.pdf>

4. Cheng, N. (2010) "Digital Seeds", Introduction to *LIFE in:formation, On Responsive Information and Variations in Architecture*, v. 2 [Exhibition Catalog of ACADIA 2010 / ISBN 978-1-4507-3472-1] New York 21-24 October, 2010), pp.9-10
5. Cheng, N. (2010) "Sustainability through Teamwork: using social media to drive collaborative eco-projects", *CAAD - Cities - Sustainability, 5th International Conference Proceedings of the Arab Society for Computer Aided Architectural Design [ASCAAD 2010 / ISBN 978-1-907349-02-7]*, Fez (Morocco), 19-21 October 2010, pp. 5-18.
6. Cheng, N. (2010) "ACADIA: An Ecosystem of Ideas", Introduction to *LIFE in:formation, On Responsive Information and Variations in Architecture v. 1* [Proceedings of the 30th Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA) ISBN 978-1-4507-3471-4] New York 21-24 October, 2010), p.7.
7. Cheng, N. (2010) "Obituary: William J. Mitchell: A Personal Reflection" in *International Journal of Architectural Computing (IJAC)*, Volume 8, Issue 2, pp. 219-221.
<https://doi.org/10.1260/1478-0771.8.2.219>
8. Cheng, N. (2010) "Forward", *Parametricism (SPC) ACADIA Regional 2011 Conference Proceedings*, April 2010, Lincoln, Nebraska. p.8.
9. Cheng, N. and Kieferle, J. (2008) "More than Skin deep: Early Design Evaluation Tools", *IJAC*, Vol 6, Issue 1, pp. iii-iv(1)
10. Cheng, R. et. al. "Integrated Practice and Comprehensive Design Report", *White paper from ACSA Topic Groups for the Accreditation Review Conference*, committee chaired by Renee Cheng, Oct 2007.
11. New Challenges, New Opportunities, AECbytes Viewpoint #8 in AEC Bytes website, August 25, 2004. http://www.aecbytes.com/viewpoint/2004/issue_8.html
12. Cheng, N. et. al. "ACADIA White Paper on Digital Design Curriculum" for *National Architectural Accreditation Board*, 2003
13. Cheng, N. (2003) "Digital Curricula: Effective Integration of Digital Courses – a delicate balance", *ACADIA 2003 conference proceedings*, ISBN 1-880250-12-8] Indianapolis (Indiana) 24-27 October 2003, pp. 129-130.
14. Cheng, N. "University of Oregon", student work published in *FormZ Joint Study Annual Reports*, 1996-2002.
15. Cheng N. (2001) "Evolution of Digital Design Teaching: A Course as Microcosm for Educational Issues", *ACADIA Quarterly 2001*, vol. 20, pp. 13-17.
16. Cheng, N. (1999) "Digital Design at UO", *ACADIA Quarterly*, 1999, vol. 18, no. 4, p. 18.

SCHOLARSHIP – CREATIVE PRACTICE

1. "Resilient Growth", Portland Winter Light Festival, UO White Stag Block, Feb 4-13, 2022.
2. Surface into Form, an exhibit of creative work at PLACE landscape architecture studio, with opening lecture and two workshops, Portland, OR. Designer & fabricator, assisted by team of five. June 21-July 29, 2017. *invited*.
3. Emerging Leaders in the Arts Network, Sam Bond's Brewery, Eugene, OR. Designer with 2 assistants. April 2017. *invited*.
4. Oregon BEST Fest Stage Installations, UO AAA Lawrence Hall lobby, co-designer with Marziah Zad, erected with 2 assistants. November 2016.
5. Shelley luminaire prototype, Luminaries show, Gallery 135, Portland, Oregon, designer and fabricator. October 2015. *invited*

6. Interlacing Light, co-designer with Marziah Zad, Oregon BESTFest, Oregon Convention Center, September 2015. *Invited.*
7. Dancing Light, (organizer with UO students Tina W. Wong, Nicholas Shanks, Srivashini Balaji and Si Emma Chen, White Stag Block, Portland, March 2013.
8. Shaping Light Veil, Demonstrated how parametric modeling and digital fabrication techniques could be used to explore optical properties. Designer, fabricated with student assistants. White Stag Block, Portland., Winter 2011.
9. AAA Voices installation, organizer with UO students Erik Hegre, Matt Linn, Daniele Cohen. Lawrence Hall, May 2009.

RESEARCH & TEACHING FUNDING

1. International team led by James Milner. “Local Engagement Refugee Research Network”, a proposal for the Government of Canada’s New Frontiers in Research Fund, 2022 Transformation Competition. \$CAD 4M. January 2022 letter of intent.
2. “Built Environment Inequalities during the COVID-19 lockdown “a cross-national survey of UK, USA and South Africa”, Co-PI with lead PI Amar Bennadji, Robert Gordon University, Scotland and Onyeka Nkwonta, Mangosuthu University of Technology, South Africa. \$200,000 + £ 310,000 + R750,000 proposal to the Trans-Atlantic Platform for Social Sciences and Humanities. (*submitted July 2021*)
3. “Digital Twins for Life Cycle Management of Mass Timber Buildings”, Co-PI with lead PI Raffaele De Amicis, Mariapaola Riggio and Yelda Turkan, \$300,000 proposal to the USDA Agricultural Research Service via the Tallwood Institute. (*submitted Nov. 19, 2021*)
4. “Demonstrating Mass Timber for a Circular Economy”, Co-PI with lead PI Mariapaola Riggio and Namhyuck Ahn. proposal to the USDA Agricultural Research Service via the Tallwood Institute. Funded for \$10,000 first year of \$30,000 three year proposal. Dec. 2021.
5. “Aalto : Light—2022 Reynolds Symposium”, UO College of Design Scandinavian Award. PI with Philip Speranza. \$15,000, June 2021.
6. “Adaptable Refugee Housing”, UO Global Justice Project, Savage Endowment for International Relations and Peace 2020-2021. PI, \$28,725.
7. Regional Arts & Culture Council’s 10th and Yamhill Garage artwork with \$1M Construction budget. Designer shortlisted one of four national finalists, February 2019. *Project on hold.*
8. University of Oregon Center for Asian and Pacific Studies’ Jeremiah Lecture Series funding, \$1500 for Weijen Wang Lecture Fall 2018.
9. Ripples of Influence, Oregon BESTFest, for Built Environment & Sustainable Technologies Center, Inc., World Trade Center, Portland, Oregon. Designer, supervisor of fabrication assistants. September 8-9, 2016, \$2500.
10. Design studio support grant for architectural and urban design of historic downtown, City of Milwaukie, Oregon. \$2000. Jan-June 2015
11. UO Global Oregon Faculty Collaboration funding to bring SIAL Director Jane Burry of RMIT to Oregon for 3 weeks. ~\$5000 value June 2015.
12. Design Competition top 3 finalist. Countdown Clock for Pioneer Courthouse Square’s International Association of Athletics Federation World Indoor Championship, Design collaborator with Mayer/Reed, Innovative MetalDesign and Security Signs. Jan. 2015.
13. Association for Computer Aided Design in Architecture ACADIA Society Award of Excellence, October 2014.

14. International Champion, Australian Research Council funded project, “Integrating Architectural and Mathematical Knowledge to Capture the Dynamics of Air in Design” with PI’s Mark Burry, Robin Drogemuller, Jane Burry, et. al. RMIT University, \$4600, March-June 2014.
15. “Data Driven Illustrations for Climate Smart Communities Scenarios”, Oregon Transportation Research and Education Consortium, with Oregon Metro Principal Transportation Manager Kim Ellis and GIS Program Supervisor Molly Vogt. \$10,000, March 2013.
16. ePortfolios Project, \$45,000 UO provost funding for 5-person team researching online systems for learning and assessment, 2008-2011
17. Inter/National ePortfolios Research Coalition group membership: ~\$8000 funding for 3 years travel and membership fees, 2008-11.
18. "Shaping Light with Digital Fabrication", UO AAA Summer Research Award, \$4000, 2011
19. “Digital to Physical: See it, Measure it, Feel it”, UO Jerry and Gunila Finrow Studio Enrichment Award, \$5000 for Fall 2009.
20. AAA Voices installation, a collaboration with Erik Hegre, Matt Linn, Daniele Cohen. UO AAA Equity and Diversity Fellowship: \$1000 for May 2009
21. “Distinguished Speaker Series: Creating the Unimaginable: How Computers Have Transformed Art and Design” funding for a lecture series, UO College of Arts and Sciences (\$8000), Computer Science Department (\$5000), AAA (\$3000), 2008.
22. UO Educational Technology Funding, \$23,600 for digital sketching in design collaborations, 2006-2007
23. UO IT Fellowship, \$8000 for Digital Sketching website & lessons, 2005-2006
24. Northwest Academic Computing Consortium, “Tracing Ideas Through Digital Sketching”, \$10,000, April 2003
25. UO Educational Technology Curriculum Development Grant “Communicating Place” \$15,500 Mar 2002
26. John Yeon course release research grant, \$8,000 Winter 2002
27. Gold medal for Environmental Sensitivity with Scott Howe, ShelterResorts Design Competition, 2000.
28. Intel's Research and Development Arts and Entertainment division equipment grant (with Department of Art faculty) ~\$200,000, 1998-1999
29. Autodesk donation: group proposal for AutoCad software ~\$75,000, summer 1997
30. University of Oregon Foundation, Research start-up funding, \$75,000, 1996-1999
31. Leung Kau Kui Research & Teaching Endowment Fund, University of Hong Kong for Spatial Visualization and Design Representation, \$19,430, awarded Jan 1994.
32. Committee on Research and Conference Grants (CRCG), Univ. of Hong Kong, Research Grant for “Developing Spatial Representations Through New Media”, \$19,490
33. CRCG, Univ. of Hong Kong, five grants for travel to international conferences
34. Global Seminars Development Grant for developing University of Hong Kong and University of Oregon Sustainable Design Exchange program, UO International Affairs, \$2500, awarded June 2013.
35. International Travel Grant for developing University of Hong Kong and University of Oregon Sustainable Design Exchange program, UO’s National Resource Center for East Asian Studies, \$750, awarded May 2013.

SCHOLARSHIP - INVITED LECTURES & WORKSHOPS

INTERNATIONAL

- 2022 “*The Architecture of Migration*” with Grace Aaraj and Earl Mark. Architectural Institute of British Columbia, Vancouver, BC, May 4, 2022
- 2021 “Timber Tectonics in the Digital Age: Learning AEC Collaboration”, virtual lecture for Cardiff University, Welsh School of Architecture, Computational Methods in Architecture, Oct. 21, 2021
- 2016 “Sensory Detectives: Accentuating environmental perception”, SmartGeometry 2016 Cluster, Chalmers University of Technology in Gothenburg, Sweden, April 4-9, 2016. *Workshop co-authored with RMIT researchers, competitive selection.*
- 2014 “Cool Folding” workshop and “Creating Sustainable Portland” lecture, Huazhong University and 403 International Art Center, Wuhan, China, July 13-21, 2014
- 2014 “Shaping Light” lecture, University of Newcastle, School of Architecture and Built Environment, Newcastle, Australia, May 28, 2014
- 2014 “Shaping Light” lecture, Deakin University, School of Architecture, Geelong, Australia, May 2, 2014
- 2014 “Shaping Light: from Origami to Sun-shading Screens”, RMIT University Design Hub, Melbourne, Australia, March 18, 2014
- 2014 “Shaping Light” workshop, Hochschule Rheinmain, Wiesbaden, Germany, Feb. 17-20, 2014.
- 2013 “Data-Driven Illustrations for Climate Smart Communities” lecture, Indian Institute of Architects, Andhra Pradesh Chapter, Hyderabad, India, December 20, 2013.
- 2013 “Sustainable Portland” and “Shaping Light” lectures, Sri Venkateshwara College of Architecture, Hyderabad, India, December 17, 2013.
- 2013 “Data-Driven Illustrations for Climate Smart Communities”, plenary lecture, Green India: Strategic knowledge for combating climate change, Pondicherry University, India, Dec. 5-7, 2013.
- 2013 “Sustainable Portland: What makes it green?” lecture Shanghai Xian Dai Architectural Design Group, Shanghai, China, Nov. 12, 2013
- 2013 “Shaping Light” lecture, XinCheJian Hackerspace, Shanghai, China, November 26, 2013
- 2013 “Shaping Light: from Origami to Sun-shading Screens” lecture, Shanghai Xian Dai Architectural Design Group, Shanghai, China, Oct. 29, 2013
- 2013 “Shaping Light” Lecture and Workshop, Xian Jiaotong Liverpool University, Suzhou, China, October 18-22, 2013.
- 2010 Keynote speaker: CAAD - Cities - Sustainability, the 5th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2010), Fez (Morocco), 19-21 October 2010.
- 2007 “Design Education at the University of Oregon” lecture and “Digital Sketching: Design Media and Process” presentation, Kumamoto University, Japan. Dec. 2007.
- 2006 “Media & Design Thinking” lecture, “The Beauty of Shadows” workshop, University of Applied Sciences-Wiesbaden, Germany, Dec. 2006.
- 2004 Seminar & workshop “Place Tools & Digital Sketching”, Univ. of Hong Kong, May 4, 2004
- 2004 Seminar “Place Tools and Digital Sketching”, Univ. of Singapore, May 17, 2004

NATIONAL

- 2022 “Designing for Refugees” presentation with Grace Aaraj. A’22 American Institute of Architects’ Conference on Architecture, June 23-25, 2022.
- 2021 “40th Anniversary Event” panelist, ACADIA 2021, Nov. 6, 2021.
- 2020 “Network Sketching”, AIA/ACSA Intersections Research Conference, Oct.1, 2020 (*virtual*).
- 2019 “Teaching Interdisciplinary Collaboration for Data-Driven Wood Structures”, Advances in Mass Timber Research in Sustainability Workshop, Association for the Advancement of Sustainability in Higher Education, Spokane, WA, Oct. 27, 2019, *invited, national*
- 2017 “Shaping Light with Folded Surfaces” workshop, Society of Building Science Educators’ Retreat, Silver Falls Conference Center, Silverton, OR, July 27, 2017
- 2017 “Shaping Light” workshop, Facebook campus, Menlo Park, CA. March 31, 2017
- 2016 Education Panel Presentation: “Oregon Partnerships for Innovation”, *New Languages of Wood Symposium*, Fay Jones School of Architecture, University of Arkansas, Aug 26-27, 2016.
- 2015 Architecture Week workshop leader: “Shaping Light with Folding Surfaces”, and Panelist on “The Role of Digital & Analogue resources in Architectural Education”, School of Architecture + Engineering Technology, Florida A&M University, March 25-27, 2015.
- 2014 “Shaping Light” public workshop & lecture to first year Architecture students, Carnegie Mellon University, Pittsburgh, PA, Feb 5 and 10, 2014.
- 2013 “Shaping Light” lecture, Bay Area Maker’s Faire, San Mateo, CA, May 29, 2013
- 2012 “Digital Technology in Architectural Education” respondent, 100th ACSA Annual Meeting, Boston, MA. March 2012
- 2010 “Using E-Portfolios in a Web 2.0 Community to Develop Professional Skills” with Andrew Bonamci and Ron Bramhall, EDUCAUSE Learning Initiative Annual Meeting, Austin, TX. Jan 19-21, 2010.
- 2005 “Digital Sketching” Workshop, Ball State University, Muncie, IN, March 2005
- 2005 “Digital Sketching” Workshop, Design Communication Association in Montana, August 2005
- 2005 “Digital Sketching” Workshop, ACADIA Conference, Savannah, GA, Oct. 2005
- 2005 “Cool Tools for Designers” workshop, AIA National Convention, San Diego, May 18, 2005
- 2005 Lecture & workshop, “Digital Sketching”, Florida Atlantic Univ., March 17-18, 2005
- 2004 “Intelligent Building” panelist, AIA-Technology in Architectural Practice / ACADIA 2004 Fabrication Conference, November 12, 2004.
- 2004 “Cool Tools for Designers” workshop, AIA National Convention, Chicago, June 2004
- 2003 “Effective Digital Collaboration” panel organizer and moderator, Connecting the Dots, the AIA-Technology in Architectural Practice Fall Conference, San Francisco, Sept. 16-19, 2003.
- 2003 “Capturing Places: Mobile Tools for Site Data” co-presenter with Mitsuo Morozumi, the AIA-Technology in Architectural Practice 2003 Fall Conference, San Francisco, Sept 16-19, 2003.
- 2002 ACADIA Architectural Education panelist, Nov. 2002

- 2002 "Collaboration Strategies in Architectural Education" for the AIA-Technology in Architectural Practice's Six Degrees of Collaboration conference, D.C., April 4-6, 2002
- 2001 Lecture, "Communicating Place", Univ. of Washington, Nov. 2001
- 2001 Lecture, "Communicating Place", Ball State University, Oct. 2001
- 2001 Panelist "Round-table on Distance Education", ACSA Annual Meeting, Baltimore, March 2001
- 2001 "Web Portfolios that Work" seminar, AIA National Convention, Philadelphia
- 2000 "Web Portfolios that Work" seminar, AIA National Convention, Denver May 2000
- 1998 Lecture & workshop "Architects and the Web", Southern Univ., Baton Rouge, Aug 1998
- 1998 Lecture & workshop "Digital Design in the Virtual Studio", University of Utah, Jan 1998

REGIONAL

- 2020 Digital Design Collaboration – Architecture Schools. Webinar with Jerolim Mladinov and Ryan Al-Schamma for AIA Oregon. April 29, 2020.
- 2019 "Timber Tectonics in the Digital Age" and "Biomimicry & Parametric Modeling for Sustainable Design" presentation with UO students, *Shift19*, AIA Oregon Design Conference, Gleneden Beach, OR, April 17-19, 2019.
- 2018 Panel on "Needs of the Future Workplace around Equity, Diversity and Inclusion", *Future Vision 2018 symposium*, AIA Portland Committee on Equity, Diversity and Inclusion, Portland, OR, May 18, 2018
- 2017 "Surface into Form" with Marziah Rajabzadeh, Bora Architects Portland, OR. July 2017.
- 2017 "Shape into Form" talk at exhibit opening June 21; "Shaping Light with Folded Surfaces" workshop July 8; "Shaping Space with Fabric" July 29; PLACE landscape architecture firm, Portland, OR.
- 2017 "Digital Techniques in Architecture: design, analysis & fabrication" presentation at the Digital Construction Summit and The Future of Making, UO White Stag Block, Portland, July 21, 2017
- 2017 "Shaping Light" workshop, AuthenticITY, AIAS Northwest Regional Conference, Portland, OR. March 25, 2017.
- 2017 "Folding Surface Research", FFA Architecture and Interiors, Portland, OR. March 2017.
- 2014 "Shaping Light with Folded Surfaces, Oregon Museum of Science and Industry's Empirical Theatre, November 18, 2014.
- 2013 "Shaping Light" lecture, exhibit and activity booth, Portland Mini-Maker Faire, Oregon Museum of Science and Industry, Portland, OR, September 14-15, 2013.
- 2013 "Shaping Light", Forum for Women in Architecture and Related Design, Portland, OR, May 23, 2013
- 2012 "Cutting Edge: Digital fabrication and craft today" w/ Heidi Beebe & Susanna Hohmann, Oregon Design Conference, Salishan, OR, April 26-28, 2012.
- 2010 Panel on Sustainable Cities Initiative, AIA Oregon Design Conference, Salishan, OR. May 8, 2010
- 2009 Architectural Education in Oregon, Randy Gragg's Bright Lights discussion series, Portland, OR. Oct. 5, 2009
- 2008 "Building Information Modeling and Sustainable Design", Oregon University System's Summer Sustainability Institute, Portland, OR July 22, 2008

LOCAL

- 2019 "Professor Showcase", International Interior Design Association, Eugene, OR, Jan. 23, 2019, *local*
- 2017 "Shape Dis-Place" tensile fabric workshop, HOPES conference, Eugene, OR April 15, 2017.
- 2014 "Shaping Light with Folded Surfaces", University of Oregon, Department of Architecture public lecture series, Portland: Jan 8, 2014, Eugene: Nov. 10, 2014
- 2010 "Blogging and Instruction: A Panel Discussion" with Mark Blaine, Lori Hager and Ron Bramhall, Educational Technology session, University of Oregon Knight Library, Nov. 10, 2010.
- 2010 "ePortfolio Learning for 21st Century Readiness with the University of Oregon", with Lori Hager and Ron Bramhall, web teleconference for the Electronic Portfolio Action and Communication group, Nov 15, 2010.
- 2009 "Teaching Graphic Techniques" lecture/demonstration for UO Information Services' Collaboration Center Symposium, March 2009.
- 2009 "Greening our Planet: Intentional Communities", Good Earth Green Home Show, Jan 2009
- 2008 "Teaching Graphic Techniques", UO Collaboration Center, and Open House, Nov. 2008
- 2008 "Computing Across the Curriculum" UO Educational Technology workshop, April 2008
- 2008 "Collaboration" panel, UO HOPES Eco-Design Conference, April 2008
- 2007 "Digital Sketching" workshop, American Institute of Architects-Southwest Oregon, June 2007
- 2003 "Mobile tools & Digital Sketching" lecture, American Institute of Architects-Southwest Oregon, Eugene. June 2003

PUBLICATIONS ABOUT RESEARCH & CREATIVE WORK

- 2021 Changemaker: Nancy Yen-wen Cheng approaches sustainable design with a focus on resilience and adaptability, Energy Trust Blog: Commercial News, April 21, 2021. <https://blog.energytrust.org/changemaker-nancy-yen-wen-cheng-approaches-sustainable-design-with-a-focus-on-resilience-and-adaptability>
- 2018 Postel, L. "The S.O.B. and the Hardhat", <https://postel-ink.com/s-o-b-hardhat/> April 18, 2018. (*originally published for Graphisoft, USA*)
- 2012 "Pay Attention Folks, the ACADIA Digital Tribe is Going to Change the World", Oct. 24, 2012. http://www.architizer.com/en_us/blog/dyn/58770/pay-attention-folks-the-acadia-digital-tribe-is-going-to-change-the-world
- 2012 DeFreitas, S. "Smart Digital Origami Sunshades Shape the Light", Earth Techling, September 13th, 2012. <http://www.earthtechling.com/2012/09/smart-digital-origami-sunshades-shape-the-light/>
- 2011 Samiee, S. (2011) "Shaping Light Veil: Prof. Nancy Yen-wen Cheng, Jeffrey Maas and Nicolaus Wright, January 29, 2011. <http://aaablogs.uoregon.edu/blog/2011/01/29/shaping-light-veil-professor-nancy-yen-wen-cheng-jeffrey-maas-nicklaus-wright/>
- 2009 Chinn, Andre. (2009) "Profile: Nancy Cheng" in the Collaboration Center Symposium and Open House ", Cover Story of UO *IT Connections*, April 18, 2009. <http://it.uoregon.edu/itconnections/collaboration-center-symposium-and-open-house>

2004	Logitech Io Forum Expert Event featuring Nancy Cheng Jun 3- Aug 15, 2004
2003	Khemlani , Lachmi. (2003) " AIA Technology in Architectural Practice Conference--Part 1" in CADENCE AEC Tech News #108, October 23, 2003.
2002	Laiserin, Jerry. (2002) "From atelier to e-telier: virtual design studios", Architectural Record; Jan 2002, vol. 190, no. 1, p. 141.
2000	Oregon Multimedia Association's Women in Multimedia Webpage.
1998	Intel Corporation's Showcase of Creative Applications, Hillsboro, OR, Nov. 19

TEACHING

STUDENT DESIGN AWARDS

1. Biomimicry and Parametric Design student Alex Balog won 1st place (\$5000) in the 2020 University of Oregon's Provost's Innovation Challenge with MBA candidate Ben Cooper, and have a prototyping contract with OSU.
2. Biomimicry and Parametric Design students Julia May and Alex Balog were selected to present Basking Shark projects to the national 2019 ASLA conference for the Extreme Design Challenge and receive funding to participate in the Ocean Exchange pitch competition. See <https://design.uoregon.edu/shark-filter-and-partnership>
3. Student Nicole Epple wins Illuminating Engineering Society of Oregon's 2017 JC Garber Student Grant Competition (\$2000) with a luminaire designed in Cheng's ARCH423 course.
4. Lyceum Fellowship national student competition 2015: Students Vincent Jiawei Mai: 1st place \$12,000, Haley Davis: Honorable Mention. <http://www.lyceum-fellowship.org/>
5. Biomimicry Student Design Challenge, student entry in top 10 finalists 2012.

COURSES TAUGHT - UNIVERSITY OF OREGON

DESIGN COMMUNICATION COURSES - REQUIRED

ARCH 202	Design Skills: introductory drawing for undergraduates, Winter 2008
ARCH 222	Intro to Architectural Computer Graphics for undergraduates Fall 1997-2002
ARCH 611	Graduate Design Process: introductory drawing, Summer 2006
ARCH 610	Graduate Intro to Architectural Computer Graphics, Fall 2005, Fall 2006, Winter 2009
ARCH 4/523	Design Development Media, Fall 2002, Fall 2003, Spring 2005, Winter 2006, Winter 2007, Fall 2007, Spring 2008, Winter 2010, Fall 2014, Winter 2017, Summer 2018

DESIGN COMMUNICATION COURSES - ELECTIVE

ARCH 4/524	Advanced Design Development Media, 1997, 1998, 2000, 2001
ARCH 4/508	Design Collaboration, Winter 1997, 2004
ARCH 4/508	Computer Modeling and Rendering Workshop, Summer 1998
ARCH 4/508	Grasshopper Parametric Design Workshop, Fall 2019
ARCH 4/510	Understanding CAD, Spring 1997
ARCH 4/601	Research on Digital lighting, Wearable computers, Animation & lighting, Placetools, Shaping Light, Winter/Spring 2000, 2001 ,2003, 2013
ARCH 4/606	Special Studies in Digital Media, Web Portfolios, Summer 1999, Winter 2000, 2001, 2003

ARCHITECTURAL DESIGN STUDIOS

ARCH 181,182	Beginning Architectural Design I & II, undergraduate, 1997-2003, Spring 2008
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- ARCH 281 Intermediate Architectural Design I, undergraduate, Fall 2000-2, 2004-7, 2009
- ARCH 283 Architectural Design I, undergraduate Winter 2021 (organizer)
- ARCH 284 Architectural Design II, undergraduate Spring 2020 (coordinator)
- ARCH 384 Architectural Design IV undergraduate instructor & coordinator, Spring 2007, 2009, 2014, 2015
- ARCH 680 Graduate Introductory Architectural Design, Summer 1999
- ARCH 681 Graduate Introductory Architectural Design, Fall 2016, Fall 2017
- ARCH 4/584 Architectural Design, undergraduate and graduate, 1997–2003, Spring 2006, Winter 2007, Fall 2007, Fall 2008, Fall 2009, Fall 2014, Winter 2015, Fall 2015, Spring 2017, Summer 2018, Fall 2020
- ARCH 4/585 Advanced Architectural Design I, undergraduate and graduate, Winter 2005, 2011, 2012, 2013, 2016
- ARCH 4/586 Advanced Architectural Design II, undergraduate and graduate, Spring 2005, 2011, 2012, 2013, 2016

DESIGN ELECTIVES

- ARCH 4/510 Timber Tectonics in the Digital Age, co-taught with Oregon State University Prof. Mariapaola Riggio, Winter 2017, Spring 2018, Spring 2019
- ARCH 4/507 Form and Performance: Parametric design & Biomimicry, Winter-Spring 2015, Winter 2016, Spring 2017, Fall 2017, Winter 2019,
- ARCH 4/507 Light and Shadow Seminar, Spring 2011, Spring 2012
- ARCH 4/507 Ecovillages Seminar, Winter 2005
- ARCH 4/507 Rome Summer Abroad Preparation Seminar: A Sense of Place, Spring 2002
- ARCH 4/507 Thesis Preparation Seminar 2010-12, 2014, 2015
- ARCH 608 The Beauty of Shadows Workshop, Winter 2009

INTERNATIONAL PROGRAMS

- 2012-present UO - Shanghai Xian Dai Sustainable Design Program & Exchange – Director student internship & professional architect hosting. 2012, 2015-16 instructor
- 2018 Rome Summer Architecture and Art History Program – Co-director
- Aug 2015 Hong Kong Sustainable Urban Design and Development program – Instructor
- 2012-2015 University of Hong Kong student exchange – Program Initiator & Coordinator 2002-2006
- 2010 "Designing for Usability - Tea Implements" workshop, Tatung University, Taipei, Taiwan, December 2010.
- 2009 "Food as Cultural Offering", UO workshop for Tatung University Students, Eugene, OR 2009.
- 2002 Rome Summer Architecture and Urban Design Program – Director

THESES

- AAAP503 Historic Preservation M.S. Thesis Committee: William Chang, "Improving Preservation for Historic Properties Using BIM: Case Study of Pearson Field Hangar, Vancouver, Washington", Fall 2017
- HC 477H Honors College Thesis Supervision: Shaeda Marashi, "Bio-inspired Water Systems: Coastal Fog as a Seasonal Water Resource for Northern California", 2016-17

PRACTICAL TRAINING

- 4-day Urban Experience for new graduate students 2010 San Francisco, 2011 Seattle, 2012 Seattle

- ARCH 409 Practicum University Teaching (various)
- ARCH 602 Supervised College Teaching (various)
- ARCH 609 Practicum, Off-Campus Experience 2012-2013

INVITED UO PRESENTATIONS

- 2011 "Skins" for Kiersten Muenchinger's Product Design Biomimicry class, April 2011
- 2006 "Digital Sketching Workshop", UO Computer and Information Science Colloquium, December
- 2006 "Digital Sketching", UO IT Fellows Presentation, March 13, 2006
- 2006 "Digital Sketching", UO AAA Board of Visitors, Feb 2006
- 2004 "Placetools & Digital Sketching" lecture for Julianna Newton in UO Journalism
- 2004 "Collaborative Studios & Digital Sketching" lecture, UO Faculty Multimedia Training, June 2004
- 2003-2005 "Digital Sketching" workshops for J. Reaves Arch 611 Graduate Design Process, July 2005; M. Reaves' Art class, Fall 2004; G. Utsey's Arch 4/523 Design Development Media, Fall 2003; G. Utsey's Arch 611 Graduate Design Process, July 2003; K. O'Connell's Arch 4/523, July 2003
- 2003 "Mobile tools & Digital Sketching" talk, Architecture Department Faculty Research Forum, March 2003

COURSES TAUGHT – RMIT UNIVERSITY

- ARCH1040 Digital Material – co-taught with Nicholas Williams and Mehrnoush Latifi, March-June 2014
- MDIT Designing Responsive and Adaptive Environments, Intensive Workshop – co-taught with Jane Burry for Master in Design Innovation and Technology students, May 2014

COURSES TAUGHT - UNIVERSITY OF HONG KONG

DIGITAL MEDIA

- 1993-1995 Computer Aided Architectural Design I, Fall 1993, Fall 1994, Fall 1995
- 1994-1996 Computer Aided Architectural Design II, Spring 1994, Spring 1995, Spring 1996
- 1993-1995 Virtual Design Studio, Spring 1993, Spring 1994, Spring 1995
- 1994-1996 Seminar on Architectural Representation, Fall and Spring, 1994-1996

ARCHITECTURAL DESIGN

- 1994 First Year Architectural Design, Spring 1994
- 1993-1996 Second Year Architectural Design, Fall 1993, Fall 1994-Spring 1996, Coordinator Spring 1995
- 1993-1996 M.Arch. Thesis supervision

STUDENT WORK EXHIBITS ARRANGED

- 2010-2012 Selected Graduation Work, UO White Stag Block
- 2010 Sustainable Cities, Gresham City Hall, meeting with Congressman Blumenhauer
- 2007 River Road Ecovillage Design Studio Exhibition, Atrium Building, Eugene, OR
- 2006 "Cohousing Design workshop" at the Village Building Convergence, Portland, OR
- 2000 ACADIA exhibit at A/E/C Systems conference, Washington, D.C.
- 1999 ACADIA conference, Salt Lake City, UT
- 1999 ACADIA exhibit at A/E/C Systems conference, Los Angeles, CA

- 1999 AIA Pacific Northwest Regional Conference, Sunriver, OR
- 1998 ACSA Annual Meeting, Cleveland, OH
- 1997 UO Alumni Advocates lobbying state funding for higher education, Salem, OR

PEDAGOGICAL ADVISING

- 2015 Advisor to faculty on Design Communication pedagogy, Florida A&M University, School of Architecture + Engineering Technology, March 27, 2015.
- 2012-2013 Autodesk Sustainability Workshop's Building Performance Analysis Certificate, Pilot Educator Group
- 1999 "Design for the Digital Age" course development consultant, University of Minnesota

PROFESSIONAL SERVICE – NATIONAL & INTERNATIONAL

LEADERSHIP POSITIONS

- 2020-2021 American Institute of Architecture (AIA) - Higher Education Advisory Team (national), emeritus 2022-23
- 2014-2017 Harvard Graduate School of Design - Alumni Council
- 1995-2013 Association for Computer Aided Design in Architecture (ACADIA) Board
2004 Conference co-chair, Vice-President 2007-9, President 2009-2011, Past President 2011-2013.
- 2012 American Institute of Architecture (AIA) Oregon Design Conference, Organizing Committee
- 2003-2011 Int'l Journal of Architectural Computing Editorial Board (founding member)
- 2003-2008 International Journal of Architectural Computing, Editorial Board
- 2001-2005 AIA Technology in Architectural Practice knowledge community - national leadership
2004 Chair

RESEARCH REVIEW COMMITTEES

- 2021 Technology Architecture and Design (TAD), Paper Reviewer
- 2016 Façade Tectonics at USC, Paper Reviewer
- 2008, 2011 International Journal of Architectural Computing, Reviewer
- 2014, 2016
- 1996-2003 ACADIA (North American) & 2003 Pedagogy Node Chairman
- 2006, 2011
- 2012 Practical Building Information Modeling Symposium, USC
- 2009, 2011 Computer Aided Architectural Design Futures (international)
- 2001-2007 Education and Research in Computer Aided Architectural Design in Europe
- 2009, 2011
- 2007, 2009 Arabic Society of Computer Aided Architectural Design (ASCAAD)
- 1997-2000 Computer Aided Architectural Design Research in Asia (CAADRIA)
- 2002, 2003, 2007
- 2009 Preservation Education & Research journal
- 2001, 2007, Iberoamerican Society of Digital Graphics (SiGraDi)
- 2008
- 2007 Architectural Research Center Consortium

2006 Artificial Intelligence for Engineering Design, Analysis and Manufacturing (AIEDAM) journal

2006 First International Conference on Digital Architecture & Construction, Organizing Committee, Seoul, Korea, September 19 – 21, 2006

2006 Environmental Design Research Association, EDRA 38.

2004, 2006 Design Computing and Cognition, Advisory Board

2004 Design Decision Support Systems, University of Eindhoven, the Netherlands

2004 Computing and Education Journal reviewer, September 2004

1997, 1998 Association of Collegiate Schools of Architecture

2000, 2002

GRANT REVIEWER

2020 Agricultural Research Services & UO-OSU Tallwood Design Institute streamlined review

2014 Impulse Council Fund for university colleges, University of Leuven, Belgium

2013, 2011 Maine Development Awards, administered by the Research Competitiveness Program, American Association for the Advancement of Science

2005, 2006 Hong Kong Research Grants Council

2008

BOOK PROPOSAL REVIEWER FOR PUBLISHERS

2014 Advancing Wood Architecture – A Computational Approach, edited by Achim Menges, Oliver David Krieg, Tobias Schwinn, Routledge, Dec. 2014

2012 Chapter of Designing the Dynamic, edited by Jane Burry, Royal Melbourne Institute of Technology, May 2012

2010 Chapter of *Computational Design Methods and Technologies: Applications in CAD, CAM and CAE Education* edited by Ning Gu and Xiangyu Wang, University of Newcastle and University of Sydney, July 2010

2010 Mobile information processing in architecture and building by TU Delft Prof. Alexander Koutamanis. Multi-science Publishing 2010.

DESIGN JURY

2020-21 Design reviewer for studios in IAAC Barcelona ES, Swinburne University Melbourne AUS, San Jose State University.

2007 Design Communication Association's Design Exhibition, Summer 2007

2007 Koizumi International Lighting Design Competition for Students, May 2007

2005 Possible Futures III competition at the Biennial Miami + Beach 2005, invited by Alfredo Andia, Florida International University, November 2005.

2001,2002 Far Eastern International Digital Architectural Design award

2004

TENURE & PROMOTION REVIEWS

2021 Iowa State University

2018 Carnegie Mellon University

2016 Clemson University

2016 University of Florida

2015 University of Texas at Austin

2015 Carnegie Mellon University (third year review)

2014 Scott Sutherland School of Architecture and the Built Environment, Scotland

2014 University of Calgary, Canada

2013	Carnegie Mellon University
2013	Texas Tech University
2012	California Collage of the Arts
2010	University of Missouri
2010	University of Sydney
2008	King Fahd University of Petroleum & Minerals, Saudi Arabia
2007	University of Florida
2006	Mississippi State University, Univ. of Wisconsin Milwaukee, & Univ. of North Carolina Greensboro
2005	Georgia Institute of Technology
2003	Carnegie Mellon University

PROFESSIONAL MEMBERSHIPS & ACTIVITIES

2020, 2015	Harvard Graduate School of Design - Class of 1990 Reunion Committee
1994-2018	Association for Computer Aided Design In Architecture (ACADIA) member
2007	Living In the Knowledge Society (LIKES) Tech Community-building Project
1994-2005	American Institute of Architecture member
2003	ACADIA Digital Pedagogy Topic Chair & panel moderator, Oct. 2003
2002	ACSA Annual Meeting Topic chair, "Electronic Media in Education" panel, March 2002

PROFESSIONAL SERVICE – REGIONAL & LOCAL

2021-present	Architectural Foundation of Oregon – Board Member
2010	Rail-Volution: Building Livable Communities with Transit - Local Host Committee
2009	AIA-Southwest Oregon Speaker Committee
2008-2009	Oregon 3D Digital Initiative, member

UNIVERSITY SERVICE

UNIVERSITY OF OREGON

2021- present	UO Teaching Academy
2017-present	International Scholarship Awards Committee
2020	UO Women in Leadership group, Organizer
2018-2019	UO Teaching Excellence and Evaluation Community Accelerating the Impact of Teaching
2015-2016	University Faculty Research Awards, Chair
Fall 2017	CoDac Faculty Writing Circle Facilitator
2014-2016	Faculty Research Awards Selection Committee, 2015-6 Chair
2009-2013	Portland White Stag Art and Interior Design Committee
2011	Riverfront Design Advisory Committee, Summer 2011
2009-2011	Portland White Box Gallery Committee
2010	Portland Sustainability Committee
2008-2009	Summer Research Awards Committee
2009	Energy Monitoring Advisory Committee
2005-2007	Campus Planning Committee 2005-07

2002-2003 Campus Planning Committee Design Review Subcommittee Chair
 2005-2007 Architect Selection Panels for Campus Planning
 2004-2006 Center for Study of Women in Society, Executive Board
 2005 Vice Provost of Information Services Search Committee
 2003 Vice Provost of Academic Affairs Search Committee
 1998-2000 Technology Transfer Committee

UO COLLEGE OF DESIGN (SCHOOL OF ARCHITECTURE AND ALLIED ARTS)

2018-2021 School of Architecture & Environment Leadership Team
 2019 Summer Academy to Inspire Learning workshop, June 16, 2019
 2014-2016 Faculty Personnel Committee, 2015-16 Chair
 Fall 2015 Portland Staff Promotion Review Committee
 2011, 2013, Staff Search Committee
 1996, 1997
 1996-2000, Digital Media Task Force member, previously Computing Task Force
 2007-2009
 2004-2006 Equity and Diversity Committee

UO ARCHITECTURE DEPARTMENT

Fall 2021 Admissions Committee, Review Schedule & Studio assignments.
 Jan 2018 Department Head
 -Mar 2021
 2020, 2021 Organized Mentoring Circles to connect professionals with UO Architecture and Interior Architecture students.
 2020 “Beyond the Call: Connecting, planning for remote teaching”, 2020
<https://around.uoregon.edu/content/beyond-call-connecting-planning-remote-teaching>
 1997-1999 Faculty Search Committee
 2000-2001, 2003, 2006-7, 2010-11, 2014-15 (Chair)
 2009-present Initiator & coordinator, Shanghai Xian Dai student summer internship program
 1996, Curriculum Committee
 2004-2006, 2016-17
 2008 Admissions Committee
 2010-2013, 2015
 2011-2013 Design Communications Task Force
 2010-2013 Lectures & Exhibits Committee
 2007, 2012-13 Personnel Committee
 1996-2013 Computer hardware and software purchase advising
 2012 University of Liechtenstein exchange pilot trip
 2009 Scholarship Committee
 1996-2002 FormZ Joint Study Coordinator: archiving and publishing student work
 2001, 2010 Digital slideshow program for accreditation & Web gallery
 1999-2001 Technology Teaching Certificate Program Workgroup, Web author
 2001 Autodesk Architectural Studio (Studiodesk) liaison
 1997-2001 Computer Requirement Subcommittee
 1996 Computer Instructional Support Search Committee

UO LECTURES AND WORKSHOPS – arranged and hosted

- 2021 Wassim Jabi, Cardiff University, Wales, Nov. 9 virtual lecture, “Topologic”
- 2021 Michelle Lee, Behnisch Architekten, Oct. 28 virtual lecture, “Hydroformed Shading: A Calibrated Approach to Solar Control”
- 2021 Alex Miller, USAID, Oct. 11 virtual lecture, “The Invisibilia of Refugee Housing”
- 2020 Hiroto Kobayashi, Oct. 11 virtual lecture, “Participatory Architecture”
- 2019 Marziah Rajabzadeh & Mohsen Marizad, Eugene, July 9 lecture & workshop.
- 2011-19 Shanghai Xian-Dai Architectural Group, China, in Portland & Eugene
- 2018 Weijen Wang, University of Hong Kong, Eugene and Portland, October 1-2.
- 2014 Philippe Block, ETH-Zurich, Eugene and Portland, October 2014
- 2013 Neri Oxman, MIT Media Lab, Portland, April 2013
- 2013 Jeff Maas’s Grasshopper / Diva Workshops, Eugene & Portland
- 2012 Scott Crawford’s Grasshopper / Diva Workshop, Eugene
- 2012 Jim Cowan’s Revit and Vasari Workshops, Portland and Eugene. January
- 2011-12 Oregon College of Arts and Crafts’ design-build collaboration, in Portland
- 2011 Jason K. Johnson and Andy Payne’s Responsive Surfaces: Grasshopper & Firefly workshop, in Portland, August
- 2011 CeramicSkin: digital clay workshop: Oregon College of Arts and Crafts, UO Art collaboration, in Portland and Eugene, January
- 2011 Frank Barkow lecture, Barkow Leibinger, Berlin, Germany in Portland & Eugene
- 2011 Mark & Peter Anderson lecture & workshop, Anderson and Anderson, San Francisco, with Oregon College of Arts and Crafts, in Portland & Eugene
- 2010 Alice Kimm lecture, of John Friedman - Alice Kimm architects & University of Southern California, in Portland and Eugene
- 2009 McNeel’s Rhinoscript programming workshop, in Portland
- 2009 Nancy Clark Brown, Autodesk, “Energy for Sustainable Design”, in Eugene, Feb.
- 2008 Rhino software workshop in Eugene, September
- 2006-2008 Building Information Modeling panel and workshops, in Eugene
- 2007 Ellen Yi-Luen Do lecture, Georgia Tech / UW-Seattle, in Eugene
- 2007 Joachim Kieferle, Univ. of Applied Sciences-Wiesbaden, Germany with Rudiger Ruby of Darmstadt, lectures in Eugene and Portland, City Slices design workshop
- 2006 Henry Sorenson lecture and workshop “Perspective Drawing”, Montana State University, Bozeman, MT, in Eugene
- 2000 Joachim Kieferle research lectures, University of Stuttgart, Germany, in Eugene
- 1999 Prof. Mitsuo Morozumi and Mr. Riken Homma of Kumamoto University, Prof.
- 1999 Jerzy Wojtowicz of University of British Columbia in Eugene
- 1998 Dirk Donath lecture “Augmented and Virtual Reality”, Weimar University, Germany in Eugene
- 1997 Ken Yeang lecture, Hamzah & Yeang, Malaysia. in Eugene

EXHIBITS FACILITATED – coordinated external requirements with local resources

- 2012 Frames for Living: William Wurster, with the Architecture Foundation of Oregon, at UO Portland
- 2012 Smarter Living - the 2000 Watt Society, with the Swiss Consulate of San Francisco, at UO Portland

- 2012 Architecture and Legacy of Pietro Belluschi, Oregon Historical Society (UO student-built models)
- 2010 Behnisch Architects' Ecology - Design - Synergy, at UO Portland
- 2010 wHY Architects' Four Salvaged Boxes, a Sustainable Design Exhibit, at UO Portland

PROFESSIONAL DEVELOPMENT (SELECTED)

- 2021 ARCH 4-538 Housing Prototypes, UO course taught by Michael Fifield
- 2021 Faculty Success Program, National Center for Faculty Development & Diversity, Jan 18 to April 9, 2021
- 2021 DigitalFutures World, Recessive Structures (Jan 30, 2021), Immersive Robotics (Nov.21,2020)
- 2019 u.lab: Leading From the Emerging Future, MITx – 15.671.1x, edX MOOC. Sept 19 – Dec. 14, 2019
- 2019 13th Annual USC BIM Conference, Los Angeles, CA, June 28, 2019
- 2019 ACSA Annual Meeting, Pittsburgh, PA, March 28-30, 2019 (for Accreditation info and Spatial Justice Fellows recruiting)
- 2018-2019 University of Oregon Leadership Academy, graduate
- 2018, 2019 International Mass Timber conference, Portland, Oregon, March
- 2018 National Organization of Minority Architects, NOMA Unbounded Conference, Chicago, IL, October 17-20, 2018 (recruiting)
- 2018 Chicago Architecture and Design Fair (recruiting), Saturday, Oct 20, 2019
- 2018 ACSA Administrator's Conference, Quebec City, Quebec, (for Accreditation info)
- 2017 NSF Workshop on Additive Manufacturing for Civil Infrastructure Design and Construction, Arlington, VA, July 13-14, 2017.
- 2016 Robot Made: Large-Scale Robotic Timber Fabrication in Architecture, ICD Stuttgart and UBC Center for Advanced Wood Products, Vancouver. September
- 2012 SmartGeometry Workshop: Transgranular Perspiration led by Brian Lilley, RPI, Troy, NY. (selected participant)
- 2010 Biodynamic Structures, AA Visiting School at CAA, San Francisco.