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Education	M.S. Architecture Studies, Building Technology 2005 Massachusetts Institute of Technology Thesis: <i>Beyond Red and Blue Arrows: Optimizing Natural Ventilation in Large-scale Buildings</i>
	Bachelor of Architecture 2003 University of Hawai‘i at Mānoa
License	State professional architecture licensure Expected 2017-2018
Experience	Assistant Professor, University of Hawai‘i at Mānoa, Aug. 2013-present School of Architecture and Sea Grant College Program Expertise: Sustainable Buildings and Community Design <i>Duties: Research, teaching, and outreach focused on high-performance building design and policy, including enabling coastal communities to adapt to the effects of climate change.</i>
	KYA Design Group June 2016 - present Atelier Ten, Environmental Designers June 2005 - June 2013 Parsons The New School June 2008 – June 2012

Other Appointments/Professional Affiliations (current or as dated)

- LEED Accredited Professional, Building Design + Construction (BD+C)
- Completed Autodesk Building Performance Analysis Certificate
- Faculty, Interdisciplinary Coastal Sustainability Initiative Cluster Hire, University of Hawaii at Manoa
- Faculty, Center for Smart Buildings and Community Design, University of Hawaii Sea Grant College Program
- Faculty, Environmental Research and Design Laboratory, University of Hawaii at Manoa School of Architecture
- Steering Committee Member, American Institute of Architects (AIA) New York Committee on the Environment. 2012. Helped organize 2012 speaker series and develop curriculum for energy modelling training series.
- Member, Urban Green (United States Green Building Council, New York Chapter)
- Founding president of University of Hawaii Gamma Mu Chapter of the Tau Sigma Delta Honor Society.

Awards/Recognition on Individual Efforts

Invited individual testimony at a U.S. Senate field hearing on policy recommendations regarding energy and water efficiency in the State of Hawaii and nation. Hosted by U.S. Senator Brian Schatz. April 16, 2014

University of Hawaii at Manoa Research Council Travel Grant, 2014

Atelier Ten Foundation Grant, 2011
SOM Foundation Building Systems Technology Research Grant, 2004
Valedictorian, UH School of Architecture, 2003
Alpha Ro Chi Medal, (leadership, service, professional merit), 2003
Henry Adams Medal, American Institute of Architects Award, 2003
Fort Street Mall Business Improvement District Design Competition Winner, 2003
Allen R. Johnson-Roy C. Kelley Architectural Research Travel Scholarship, 2002
Merit Scholarship 1998-2001; Merit Scholarship 2003-2005

Research **University of Hawai‘i at Mānoa** Honolulu, HI
Coastal development risk, adaptation and resiliency study: effects of future sea level rise, hurricane, and tsunami on the built environment's planning, design, and construction, Fall 2013-ongoing.

University of Hawai‘i at Mānoa Honolulu, HI
Obama Presidential Library Bid. Wrote report to guide competition design teams on coastal risk management and sustainable building guidelines.

MIT Department of Architecture Cambridge, MA
Thesis Advisors: Leslie K. Norford & Andrew Scott, Reader: Leon Glicksman
Examined three case studies to identify key decisions, team dynamics, and analysis required for the successful design and operation of large mixed mode ventilation buildings. Included research interviews with over twenty design team members, facility operators, and industry leaders.

Applied Research Achievement - Critical Recognition & Discussion

Built architectural work and unbuilt designs can be recognized as high-level applied research through award, peer review and/or criticism. I led the environmental design team for the following built works being recognized.

Croton Water Filtration Plant. Grimshaw Architects

- Article, “What Lies Beneath: One of New York’s largest construction projects unites public space and essential urban infrastructure,” Architectural Record, March 2016
- Article, “25 Masterpieces that Prove 2016 Was an Incredible Year for Architecture,” Wired Magazine, 2016

The Columbia University Jerome L. Greene Science Center. Renzo Piano Building Workshop.

- Television show, “Treasures of New York: Jerome L. Greene Science Center,” Public Media, 2017
- Article, “The Best Architecture in New York of 2016,” New York Times, 2016
- Award Winner: 2015 Architects Newspaper Best of Design Awards, Façade

- Article, “At Manhattanville, Columbia Strives for Sustainable Construction,” Columbia Spectator, 2016
- Article, “Renzo Piano’s Jerome L. Greene Science Center of Columbia University edges closer to completion,” Architect’s Newspaper, 2016.
- Article, “Thick Skinned,” Architectural Record, March 2015

Belfer Research Building, Weill Cornell Medical College. Ennead Architects.

- Article, “Weill Cornell Medical College’s Double Skin,” Architect’s Newspaper Blog, 2014
- Project Profile, Arch Daily 2014
- Project Profile, eOculus 2014
- Award of Honor, Society of American Registered Architects New York Council, 2016
- Engineering News-Record New York’s Best Projects, Merit Award for Higher Education, 2014

General Services Administration Federal Office Building, Krueck + Sexton Architects.

- Article, “FBI South Florida Headquarters,” Arch Daily, June 2015
- Article, “Benjamin P. Grogan and Jerry L. Dove Federal Building,” Architect, Journal of the American Institute of Architects, June 2015
- Award Winner: General Services Administration Design Award: Design Excellence Citation, 2014
- Award Winner: “Best Project” from Engineering News Record Southeast, 2015
- Article, “South Florida FBI building is unexpected architectural jewel in the wetlands,” Miami Herald, September 2015

Consortium for Building Energy Innovation Renovation and New Building, Kieran Timberlake Architects.

- Article, “CBEI Team Overcomes Project Delivery Hurdles Through Collaboration,” Engineering News Record, 2014

Accolades for student work by Kris Juegeta’s in a design studio I taught: 1) AIA Honolulu Student Design Award, and 2) “Manoa Horizons” peer-reviewed student journal publication, and 3) display at the Building Voices Symposium. 2016-17.

Ritter, Axel. Smart Materials book featured design project “Matscape.” 2007.

Kauffman, Jordan. “To LEED or not to Lead.” Log. Summer 2006.

Grants Awarded

Title: A Primer on Coastal Transportation System Resilience and Adaptation to Sea Level Rise on Oahu Using Living Shorelines and Green Infrastructure

Result: Awarded \$20,000

Source of Funds: Pacific Southwest Region University Transportation Center

Award Period: 2018

Collaborators: none

Title: Kalihi Civic Center Sustainability and Resilience Primer

Result: Awarded \$50,000

Source of Funds: UH School of Architecture Community Design Center

Award Period: 2018

Collaborators: none

Title: Travel Award to present at the Society of Building Science Educator's Retreat

Award Amount: \$2000

Source of Funds: University of Hawaii University Research Council

Award Period: Summer 2014

Teaching and Mentoring

I recognize the privilege of formal and informal mentoring of students and postdoctoral collaborators via teaching, advising and other activities and continually endeavour to develop and integrate pedagogical innovation in all aspects of my work.

Teaching	University of Hawaii at Manoa, Assistant Professor	Honolulu, HI
	Architecture Undergraduate Intermediate Design Studio	2013-present
	Architecture Graduate Environmental Technology, Sustainability, and Analysis	2013-present
	Architecture Undergraduate Green Building Rating Systems	2014
	Architecture Directed Studies in Coastal Adaption and Resiliency	2014
	Chair to four Doctorate of Architecture students	2014-2016
Parsons The New School for Design (Parsons), Part Time Faculty		New York, NY
	Environmental Technology for M.Arch. students, co-teacher	2008-2009
	Ecotect and Radiance Software Workshop, teacher	2008-2012
	M.Arch, Interior Design, and Lighting Design Studio, consultant	2009-2012
Parsons, Columbia University, University of Pennsylvania, Harvard		
	M.Arch. Guest Critic	2009-2016
Advising	University of Hawaii at Manoa	Honolulu, HI
	Advisor, postdoctoral researcher	2013-2015

Committee member, undergraduate honors thesis 2015
- Won award: Honorable Mention in Arts & Humanities

University, Professional and Community Service

University Invited Participant, UH Manoa Energy Working Group, 2014-2015. Co-author and editor of energy portion of UH system-wide Executive Sustainability Policy, which was signed into effect February 2015.

Co-organizer of a “Green Building” session at *Ascent (ASCENT) Conference on Energy and Water Sustainability*, a day-long conference at UH Mānoa on April 15, 2014. The Ascent conference, which focused on the energy-water nexus, was hosted by UH Sea Grant/School of Ocean and Earth Science and Technology, the UH Mānoa Chancellor’s Office and the Office of U.S. Senator Brian Schatz. ASCENT participants included U.S. Senator Brian Schatz, U.S. Senator Barbara Boxer (plenary), and Hawaii State Governor Neal Abercrombie as well as dozens of policy makers, civil servants, business leaders, university administrators and researchers from within and outside Hawaii. The capstone of the ASCENT event was a Stephen and Marylyn Pauley Seminar in Sustainability featuring Vice President Al Gore. Served as coordinator of ASCENT Green Building working group. Gave testimony on building energy and water performance at a U.S. Senate field hearing.

Facilitator, UH Leadership Workshop and Reception on Energy Solutions. April 2014.

Organized UH School of Architecture Faculty Research Forum for presentation of faculty research for inquiry and discussion with peers and students. Spring 2014.

Council Member, UH Manoa Sustainability Council. Fall 2013 - Spring 2014.

Consultant and collaborator, GG 105 Planetary Science to create curriculum for new studio class Oct-Dec 2014.

Guest Juror, UH School of Architecture undergraduate and graduate studios nine times. 2013-2016

Juror, Architectural Research Centers Consortium Medal, King Student Medal award. May 2014 and May 2015.

UH School of Architecture Committees: Curriculum, Scholarship, Admissions, New Faculty Handbook. 2013-2016.

Wrote twenty-nine letters of recommendation for fourteen students 2014-2016.

Professional Invited scientific committee member. Simulation in Architecture and Urban Design conference. December 2016.

Invited reviewer of proposals. Building Health and Well-Being Conference. June 2016.

Steering Committee Member, American Institute of Architects (AIA) New York Committee on the Environment. 2012. Co-organized 2012 speaker series and developed curriculum for energy modelling training series.

Judge, Landscape Sustainability Awards , Landscape Industry Council of Hawaii. October 2014

Community Heeia watershed education taro field service day with Sea Grant, 2015

Presentations-International

Invited Expert and Presenter. Energy Efficient Buildings Workshop, U.S.-Asia Pacific Comprehensive Energy Partnership (USACEP) and the U.S.-Singapore Third Country Training Program (TCTP). Participants included approximately 100 attendees from 10 nation states. Singapore. September 2014.

Other Presentations/Seminars/Lectures

Invited “Climate Change Mitigation and Adaptation in the Built Environment.” Sakamaki Extraordinary Lecture Series. W. Meguro, L. Roth. Invited Presentation. Summer 2016.

“Rethinking Design: Structures, Systems, Context.” Pacific Building Trade Expo. W. Meguro, S. Carr, J. Stilgenbauer, D. Friedman. Invited presentation. Fall 2015.

“Climate Change Mitigation and Adaptation in the Built Environment.” UH Renewable Energy and Island Sustainability Seminar in Civil Engineering. W. Meguro. Invited presentation. Fall 2015.

“Adaptation & Resiliency in Coastal Built Environments.” Beaches, Reefs, and Climate Change course taught by Charles Fletcher in the UH Geology and Geophysics department. W. Meguro. Invited presentation. Spring 2015.

“Ecosystem-based adaptation. Using Nature to Respond to Climate Change” World Town Planning Day. W. Meguro. Invited presentation. November 2014.

“Resource[ful]: A vision for research and the School of Architecture” Dean’s Council Lecture. W. Meguro. Invited presentation. November 2014.

“Then & Now: School of Architecture Alumni Reflections” Pecha Kucha “PAN” event at School of Architecture. W. Meguro, R. Chock. Invited presentation. October 2014.

“Hawaii Presidential Center Bid: Sustainability” Build & Buy Green Conference. W. Meguro, R. Perkinson. Invited presentation. May 2014.

“Coastal Sustainability Initiative” Helber Hastert & Fee (planning firm). W. Meguro. Invited presentation. March 2014.

“Current Research on High Performance Buildings and Coastal Communities’ Adaptation to Sea Level Rise” School of Architecture Advisory Council. W. Meguro. Invited presentation. February 2014.

“Buildings: Energy, Water, and Climate Change.” Environmental Planning and Policies course taught by Daniele Spirandelli in the UH Department of Urban and Regional Planning. W. Meguro. Invited presentation. February 2014.

“UH Manoa High Performance Buildings, Sustainable Master Planning, and Net Zero Energy Designs.” Hawaii Sustainability in Higher Education Summit. W. Meguro and the Environmental Research & Design Lab. Invited poster. February 2015.

Other

“Landscape and Water Sensitive Urbanism.” Building Voices Symposium. W. Meguro and four co- presenters. April 2017

“Living shorelines on Tropical Islands: Creating and maintaining healthy coastal systems and improving community resilience in the face of climate change.” Hosted workshop at the International Union for the Conservation of Nature’s World Conservation Congress. Held every four years. 100 international participants at workshop. 8,000 international participants at Congress. Created and presented “Living Shorelines” physical models. Ten multi-disciplinary, international co-presenters. September 2016.

Hawaii Pacific Pavilion Reception host at the International Union for the Conservation of Nature’s World Conservation Congress. Created and presented “Living Shorelines” physical models. Held every four years. 100 participants at workshop. 8,000 participants at Congress. September 2016.

"The University’s Role in Coastal Built Environments’ Adaptation to Climate Change." W. Meguro. Society of Building Science Educators Retreat. June 2014.

“Designing for a Changing Climate.” UH School of Architecture Faculty Research Forum. February 2014.

"Reducing Campus Carbon Emissions through Cogeneration." W. Meguro and B. Coffey. Society of Colleges and University Planners Conference. April 2012.

"Double Skin Facade Innovation at Weill Cornell Medical College." W. Meguro, C. McIlhenny, and J. Pachuta. Urban Green Expo in New York, NY. September 2010.

"Simulation in Practice: Perspectives from Architects and Engineers." W. Meguro. SimBuild Conference by International Building Performance Simulation Association. 2006.

"Analysis Tools for High Performance Building Design." Gave additional talks at several architecture firms including RMJM, Skidmore Owings & Merrill, HOK, Gensler, Adrian Smith + Gordon Gill, Beyer Blinder Belle, Dewberry, and Clodagh. 2008-2013

Publications Meguro, W. "Beyond Blue and Red Arrows: Optimizing Natural Ventilation in Large-scale Buildings." Massachusetts Institute of Technology. 2005.

Additional

Professional Experience **Atelier Ten, Environmental Design Consultants** New York, NY
Associate, July 2005-July 2013

- Consult design teams and communities on environmentally sustainable building practices to reduce greenhouse gas emissions, decrease operating cost, enhance thermal and visual comfort, design high performance building envelopes, create healthy interiors, manage stormwater, and sort waste.
- Analyze environmental performance complex large projects with construction budgets up to \$600 million. Clients include universities, the U.S. General Services Administration, and private organizations. Consult high profile architects including Renzo Piano Building Workshop, Grimshaw Architects, and Ennead Architects.
- Lead carbon management and strategic sustainability service for building portfolios. Research potential clients and develop marketing materials and proposals. Assess greenhouse gas (GHG) emissions and create a prioritized "road map" for reductions for organizations, geographic regions, or campuses. Use lifecycle cost analysis to determine investments with greatest impact.
- Execute and oversee quantitative analysis of design options and communicate recommendations to design team. Analysis includes daylight and shading simulation, building and central plant energy modeling, life cycle cost analysis, water reuse study, renewable energy feasibility, net-zero carbon or site energy approaches, low-emitting transportation, etc. Recommendations are used to inform design decisions.
- Organize design and construction team sustainability charrettes to establish goals and quantitative targets to assess the progress of the design.
- Create campus environmental sustainability masterplan frameworks.
- Lead, schedule, and budget multiple simultaneous in-house teams to deliver contracted services. Manage workflow for office group.
- Write scope of services and fee proposals; participate in weekly business development meetings and workflow LEED credit guidance, documentation and certification.

Select built project work at Atelier Ten:

Project Name, Location, Architect, Benchmarking	Participation Dates 2008 - 2013
<ul style="list-style-type: none"> • Manhattanville Campus, Columbia University NEW YORK, NY Project included Campus Sustainability Framework, Central Energy Plant, Jerome L. Greene Science Laboratory, and Lenfest Center for the Arts. Area: 600,000 million s.f. RENZO PIANO BUILDING WORKSHOP WITH DAVIS BRODY BOND ARCHITECTS LEED ND PLATINUM AWARDED, LEED NC GOLD TARGET FOR BUILDINGS 	
<ul style="list-style-type: none"> • Consortium for Building Energy Innovation Renovation and New Building, Interior Area: 67,000 s.f. Est. Construction Cost: \$67 million PHILADELPHIA, PA KIERAN TIMBERLAKE LEED GOLD TARGET 	2011 - 2013
<ul style="list-style-type: none"> • General Services Administration Federal Office Building, Design Excellence Project BROWARD COUNTY, FL KRUECK + SEXTON LEED GOLD TARGET 	2011 - 2013
<ul style="list-style-type: none"> • National Geographic Headquarters Masterplan for Renovation and Addition WASHINGTON DC WEISS MANFREDI ARCHITECTS 	2012 - 2013
<ul style="list-style-type: none"> • Croton Water Treatment Plant. Area: 18,000 s.f. building; 9 acre green roof. BRONX, NY GRIMSHAW ARCHITECTS LEED GOLD TARGET 	2007 – 2013
<ul style="list-style-type: none"> • Collegiate School (K-12) NEW YORK, NY GLUCK + LEED GOLD TARGET 	2013
<ul style="list-style-type: none"> • Belfer Research Building, Weill Cornell Medical College. Area: 480,000 s.f. Construction Cost: \$680 million. NEW YORK, NY ENNEAD ARCHITECTS LEED GOLD CERTIFIED 	2008 - 2012
<ul style="list-style-type: none"> • Tencent Headquarters SHENZHEN, CHINA NBBJ ARCHITECTS LEED GOLD TARGET 	2010 - 2012
<ul style="list-style-type: none"> • Museum of the Moving Image Renovation and Addition QUEENS, NY, LEESER ARCHITECTURE LEED SILVER TARGET 	2005 – 2009
<ul style="list-style-type: none"> • “Kay e Sante nan Ayiti” - Haiti Housing and Health Competition Winner ST. MARC, HAITI DXA STUDIO WITH ARCHIVE 	2011

- Rising Currents Exhibition at the Museum of Modern Art | 2011
NEW YORK, NY, MATTHEW BAIRD TEAM, “WORKING WATERLINE”
- Massachusetts Institute of Technology Building E52 | 2012 - 2013
CAMBRIDGE, MA, BEYER BLINDER BELLE | LEED GOLD TARGET
- Exxon Mobil New Campus| HOUSTON, TX 2010 - 2011
PICKARD CHILTON |
- Greenspun College of Urban Affairs, Univ. of Nevada | LAS 2005 - 2008
VEGAS, NV
ROBERT A.M. STERN WITH HKS INC. | LEED GOLD
- Harsen House | NEW YORK, NY 2008 - 2010
BKSK ARCHITECTS | LEED SILVER
- Finn and Edelman Residence Halls, Hotchkiss School | 2005 - 2007
LAKEVILLE, CT
ROBERT A.M. STERN ARCHITECTS | LEED GOLD
- Mamaroneck Public Library | MAMARONECK, NY 2005 - 2007
BKSK ARCHITECTS | LEED SILVER TARGET
- MGM Mandarin Oriental Hotel, City Center | LAS VEGAS, NV 2006 - 2007
KOHN PEDERSEN FOX WITH ADAMSON ASSOCIATES | LEED GOLD

Design Competitions

- Competition winning design that led to built project 2009
Tour Carpe Diem | La Defense, Paris, France
ROBERT A.M. STERN ARCHITECTS | LEED CS Platinum
GOLD
- Competition winning design that led to built project 2012 - 2013
Kent State Design Loft | Kent, OH
- Competition winning design (no built project) 2007
World Mammoth and Permafrost Museum | Yakutsk, Siberia,
Russia LEESER ARCHITECTS
- Natural Talent Design Competition – Honorable Mention Prize 2007
(no built project) Hosted by US Green Building Council | New
York, NY,
Team of five emerging professionals from Grimshaw, Arup, and

Atelier Ten

- National Renewable Energy Lab Office and Data Center 2010
(Design Build Competition – not selected) NREL | Colorado, USA, Whiting Turner
- Renewable Energy Laboratory 2011
(Design Competition – not selected) | Kuala Lumpur, Malaysia
FLAD Architects

Walters, Kimura, Motoda Honolulu, HI
Landscape architecture intern, 2001-2003

Dinmore & Cisco Architects Kona, HI
Architecture Intern, Summer 2000-2001

Other Competencies

Computer Skills Computational analysis and modeling software knowledge includes in-depth experience using Ecotect's solar tools and Radiance daylight analysis. Moderate experience using Daysim and EvalGlare. Manage teams using Rhino, Grasshopper, DIVA, eQUEST (DOE2.2), EnergyPlus, WUFI, Therm, EnergyPlus, StarCCD+, Trnsys, Matlab. Completed Autodesk Building Performance Analysis Certificate in 2016.