

Curriculum Vitae – David Rockwood – July 2017

Education

- 83 Princeton University, *Master of Architecture* degree.
- 78 University of Oregon, *Bachelor of Architecture* degree.

Registration

- 04-17 Registered Architect, State of Hawaii.
- 85-09 Registered Architect, State of Oregon.

Research Labs

- 02-17 Construction Process Innovation Lab, Director.
- 14-17 Urbanism Research Lab, Co-Director.

Grants and Awards

- 16-17 Fulbright U.S. Faculty Scholar Award 2017-18.
- 16-17 Johnson Controls Foundation, *Co-Principal Investigator*. A \$5,000 award for prototyping an aeroelastic wind energy harvester (with David Garmire, Dept. Electrical Engineering).
- 16 U.S. Department of the Interior, Technical Assistance Program, *Principal Investigator*. A \$495,000 proposal to design, prototype, test, and build a demonstration sustainable resilient house for the Republic of the Marshall Islands.
- 14 Fulbright Specialist Grant in Urban Planning at Danang University of Science & Technology, Vietnam. The \$11,500 grant allowed curricular development and investigation of improved sustainable and affordable housing for Vietnam.
- 14 US AID PACAM fund/Japanese Embassy, *Co-Principal Investigator*. A \$350,000 proposal to design, prototype, test, and build a demonstration sustainable resilient house for the Marshall Islands.
- 14 Sinclair Library Thermal Comfort Study, *Co-Project Leader*. A \$30,000 award from the Environmental Research and Design Lab and Hawaii Natural Energy Institute to research and implement human comfort measures.
- 11 National Science Foundation (NSF), *Co-Principal Investigator*, Integrative Graduate Education and Research Traineeship (IGERT). Invited on interdisciplinary UHM team to submit a proposal for a \$3,000,000 grant to support advanced sustainable design education and training.
- 09-11 U.S. Dept. of Energy Solar Decathlon. *Principal Investigator*. A \$50,000 award to support student and faculty travel, and research stipends. Led the Team Hawaii entry for the international competition to design, build, and operate a net-zero solar powered house. The team was comprised of over 90 students and 6 faculty advisors, from UHM Shidler College of Business, College of Engineering, School of Architecture, Dept. of Computer Science, and College of Tropical Agriculture, and Honolulu Community College, and Kapiolani Community College, and with 9 primary professional consultants. Team activities included research, design, construction documents, construction, fundraising, marketing, and public relations.
- 10 National Science Foundation (NSF), *Principal Investigator*, Emerging Frontiers in Research and Innovation 2010 (EFRI-SEED), "Chameleon Project - Intelligent Kinetic Skins for Sustainable Architecture in the Tropics". Led an interdisciplinary SoA and UHM College of Engineering team to submit a proposal for a \$2,000,000/4 year grant.
- 06 College of Social Sciences Award. A \$3,000 award was given to the CPI Lab for design work on a proposed café located on the ground floor level of Saunders Hall.
- 05 School of Architecture Travel Award. The SoA funded travel to allow the presentation of my paper entitled "Collaborative Research, Development, and Patent Licensing for and Energy-Saving Roofing System" at the 2005 Architecture Research Council Consortium (ARCC) Annual Conference.

- 04 University of Hawaii Office of Technology Transfer and Economic Development (with Gregor Fischer, Asst. Prof., UHM Dept. of Civil and Environmental Engineering). A \$5,000 award was offered for prototyping and testing of the invention "Ventilating Roofing System".
- 04 College of Engineering Research Council Seed Grant, UHM (with Gregor Fischer, Asst. Prof., UHM Dept. of Civil and Environmental Engineering). "Modular building technologies for green and cost-efficient housing structures using advanced composites and recycled materials." Project Funded in amount of \$20,000.
- 04 University Research Council Faculty Travel Fund. A \$1,400.00 award was made to allow travel to Oakland, California to deliver a paper entitled "Emulating Natural Processes in Industrial Production: Considerations of Mass-Customization as an Influence in Ecological Design Pedagogy" at the Eco-Wave conference in Oakland, CA.
- 03 Research Relations Fund, UHM, Research Grant Proposal (with Jin-Ho Park, Asst. Prof., UHM School of Architecture), "A Full-Scale Construction of Rudolph Schindler's Panel Post Construction System, 1933-42." The project investigated R.M. Schindler's Post Panel Construction Method (PPCM) of 1933-42. Project Funded in amount of \$3,200.00 for the period May 1, 2003 – April 30, 2004.
- 93 National Endowment for the Humanities/Oregon Council for the Humanities. The grant allowed research into models of contemporary architectural practice, and a public lecture given on the topic.

Patent Applications

- 14-17 "Variable Diameter Pulley Assembly and Continuously Variable Transmission Using the Same" (with David Garmire) U.S. Patent Pending.
- 15-16 "Method of Manufacturing a Composite Structure including a Textile Fabric Assembly" (with Gregor Fischer).
- 13 "Continuously Variable Transmission" (with David Garmire).
- 12 "Reinforced Fabric Permanent Formwork and Method" (with Gregor Fischer).
- 11 "Reconfigurable Tactile and Touch Screen Display and Input Device" (with David Garmire).
- 11 "Variable Ratio Drive" (with David Garmire).
- 11 "Variable-Speed Moving Walkway" (with Peter J. Berkelman and David Garmire).
- 07 "Heat and Moisture Dissipating Building Cladding" (with Gregor Fischer).
- 05 "Heat and Moisture Dissipating Low-Slope Roof Assembly".
- 04 "Modular Floor Assembly".
- 04 "Reinforced Cast Structure and Method" (with Gregor Fischer).
- 04 "Variable Ratio Drive".
- 04 "Weather Protecting Cladding System" (with Gregor Fischer).
- 03 "Deployable Braced Structure".
- 03 "Expandable Braced Structure".
- 03 "Modular Panel Assembly".
- 03 "Ventilating Roofing System" (with Gregor Fischer).
- 03 "Accelerating Moving Walkway".

Professional Experience

- 02-16 **David Rockwood Architect**, Honolulu, HI (formerly New York, NY, and Portland, OR). *Principal*.
 -Vietnam Television Outdoor Studio Detail Planning in Soc Son, Hanoi, Vietnam. Invited to join a team of foreign experts for project planning. Contract awarded 2016.
 -Private House, Danang, Vietnam. Schematic Design through Construction Documents. The house is designed using passive shading, ventilation, and a ventilated cavity wall to increase thermal comfort.
 -Esdee Houses, Oahu, HI. Schematic Design through Construction Documents. The house uses prefabricated tropical hardwood components.

- Viveros Resort, Isla Viveros, Panama. Schematic house design through Design Development, and site planning for an upscale resort community. The nine houses use prefabricated tropical hardwood components and a unique cable suspended roof system.
- Hunter House, Maui, Hawaii. Schematic Design through Construction Documents. The house uses prefabricated tropical hardwood components with a complex truss roof structure.
- Wright-Wieczorek House. Schematic Design through Construction Documents. The project involved the addition of a large lanai structure.
- Private Apartment. Schematic Design through Construction Documents. The design uses prefabricated hardwood panels allowing rearrangement of space and demountability.
- Small House, Honolulu, Hawaii. Schematic and Design Development The house uses an assembly of prefabricated tropical hardwood post and beam structural elements.
- Booher House, Kaneohe, Hawaii. Schematic Design. The house uses Tripanel concrete construction.
- Spencer House, Honolulu, Hawaii. Schematic Design. The house uses wooden prefab pole construction and special foundations for steep slope construction.
- Moriarty House, Honolulu, Hawaii. Schematic Design through Construction Documents. The project includes substantial renovation of the existing house necessitating raising the house and providing a new substructure. In addition, the house is sited on a relatively steep slope, and requires a substantial water mitigation system.
- Folk House, Crestone, Colorado. Schematic Design through Construction Administration. The house design is based on a prefabricated log system of construction and uses energy saving features including passive solar heating, passive ventilation, and super insulation.
- Gragg Condominium, Portland Oregon. Schematic and Design Development. A project initiated by the architecture critic for *The Oregonian* newspaper having the objective of formulating a new sustainable mixed-use urban building prototype for small corner and infill lots. The design uses an assembly of standard and custom precast concrete components to create an aesthetically pleasing, high performance building at minimum cost.
- Learning Center, Honolulu Zoo, Honolulu, Hawaii. Schematic Design. Work on the project consisted of the submission of a proposal and schematic design for a first phase of the Learning Center including classroom and related buildings. The project incorporates high-performance fiber-reinforced concrete precast panels connected such to allow future change or demountability. Sustainable features include use of waste materials, and natural lighting and ventilation.
- Cogut House, Portland, Oregon. Schematic Design. A 4,500 square foot house overlooking the Columbia River. The design incorporates energy-saving features and high-performance modular precast concrete sandwich panels.
- Saunders Hall Café, UHM campus, Honolulu, Hawaii. Schematic and Design Development. The project seeks to provide a new and improved use for the ground floor area below Saunders Hall – promoting social and academic exchange between various departments and disciplines. The design includes a new hyperbolic paraboloid tent, terrace paving, food kiosk, lighting, signage, and other elements.
- Copsey Houses, Laie, Hawaii. Schematic Design. A 5,000 square foot main house and a guesthouse. The design uses prefabricated tropical hardwood structural framing and wall panel elements.

85-02 **David Rockwood Architect**, New York, NY, and Portland, OR). *Principal*.

- Norwegian Wood Store, Katz House, Wattis House, “Jack-In-the-Box” House Prototype, Urban Row House Prototype, Energy House Prototype, In/Out House, United Carriage Building, Residential Tower Prototype, Alex Forma Menswear 2, Product Design for Swid Powell, Inc., Bucek House, Barnett House, Aspenwall Cabin, Choragic Monument to 20th C Architecture, Neilson House, Alex Forma Menswear, Taffs House, Gordon House, Burnside House, Rockwood House, Fiore House, Belfiglio House, Padon House, Arrien House, Starrett House, Anderson House and Studio, Gilfillian House.

-Consulting for Garfield Hacker Architects:

-The High Desert Museum, Bend OR, *Project Architect*. Coordinated design, consultants, government agencies, and contractor from concept through construction.

-Arizona Historical Society Museum, Tempe, AZ, *Project Designer* (a \$7M project won in national competition). Developed key design/construction details.

82-84 **Michael Graves Architect**, Princeton, NJ

-Newark Museum, Newark, NJ (a \$21M, 146,000 square foot addition and renovation project), *Project Designer and Assistant Project Manager*.

-The Humana Building, Louisville, KY (a \$60M, 27 floor single-tenant office tower project won in invited competition). *Designer* (competition phase).

-San Juan Capistrano Regional Library, San Juan Capistrano, CA (a \$1.8M, 10,000 square foot project won in invited competition). *Production Team Member*.

-The Republic Building, San Antonio, Texas (A design/feasibility study for a 1 million square foot banking, office, and retail development). *Design Team Member*.

-Michael C. Carlos Hall, Emory University, Atlanta, GA (a \$2.6M renovation of the university's Museum of Art and Archaeology). *Designer*.

-Object and Exhibition Design. Sunar side chair (winner of *Progressive Architecture* International Furniture Design Competition Award). *Project Designer*. Allesi Tea Service (one of a collection of silver tea services commissioned for traveling exhibition). *Project Designer*, Alacantra Pavilion (an exhibition pavilion for the Italian manufacturer's fabric collection). *Design Team Member*.

83 **Batey & Mack**, San Francisco, CA. *Designer*, Kaffie Residence, Corpus Christi, TX .

81 **Self Employed**, Portland, OR. *Designer and Contractor*. Residential projects.

80 **Selig/Henslee Architects**, Portland, OR. *Draftsperson / Designer*. Institutional projects.

80-78 **Gordon H. Hoops, Architect**, Portland, OR. *Draftsperson / Designer*. Residential projects.

Honors

17 Fulbright International Institute of Education, U.S. Dept. of State, *Fulbright U.S. Faculty Scholar 2017-18 award*).

14 Fulbright International Institute of Education, U.S. Dept. of State, named a *Fulbright Specialist*.

14 Fulbright Specialist Urban Planning Review Committee, *Member*.

06 University of Hawaii at Manoa – UHM Sustainability Council Certificate of Nomination.

99-00 Pratt Institute Faculty Development Award.

92 Represented by Yokohama Design Library (a Japanese international design center).

92 Invited artist, *A Mailbox Auction*, The Smithsonian Institution Archives for American Art.

91 Work included in *Architectural Digest*, August 91 Special Issue, *The AD 100: Architects*

87 *Progressive Architecture*. Work included in the Special Issue, *Young Architects*.

87-88 Western Home Awards, Award of Merit, A.I.A./ *Sunset Magazine*.

86 OCAPA Award for Excellence in Concrete.

85 Fulbright Grant. Recommended by American and Italian Committees (named as alternate).

82-83 Princeton University. Full tuition merit scholarship.

Exhibitions

14 "Urbanism Matters," an exhibition organized and curated by the Urbanism Research Lab, Haigo and Irene Shen Architecture Gallery, Honolulu, HI.

13 "Summer Vacation", Haigo and Irene Shen Architecture Gallery, Honolulu, HI.

13 "Convergence, Glitch_Click_Thunk, Featuring Mark Amerika," Art Gallery, UHM, Honolulu, HI.

- 13 "SD 2011 – Excerpts from Team Hawaii's U.S. Dept. of Energy Solar Decathlon 2011 Design," Haigo and Irene Shen Architecture Gallery, Honolulu, HI.
- 10 "U.S. Department of Energy Solar Decathlon 2011 Finalists: A Special Exhibition," National Building Museum, Washington, D.C.
- 10 "Honolulu 2050: Designing for the Future of the City," Honolulu Culture & Arts District / Small Business Resource Center, Honolulu, HI, , Honolulu, HI.
- 09 "Architectural Drawing," American Institute of Architects, Honolulu Chapter, Honolulu, HI,.
- 04 International Architecture Competition for the realization of the Olympic Landmark, Pavilion d'Arsenal, Paris, France.
- 00 "Hells Kitchen South," Storefront for Art and Architecture, New York, NY (with Claudia Dias).
- 98 Pratt Institute School of Architecture, New York, NY.
- 95 Buenos Aires International Biennial of Architecture, Buenos Aires, Argentina.
- 95 Pratt Institute School of Architecture, New York, NY.
- 94 University of Washington School of Architecture, Seattle, WA.
- 93 Buenos Aires International Biennial of Architecture, Buenos Aires, Argentina.
- 93 University of Washington School of Architecture, Seattle, WA.
- 92 ARS Nova Gallery, Portland, OR, "Four Architects."
- 88 American Institute of Architects, Portland Chapter, Portland, OR, One-person exhibition.
- 87 Portland Architectural League, "Building and Landscape."
- 86 Works Current, Portland, OR "Best of Show."
- 83 Princeton University School of Architecture, Princeton, NJ. Exhibition (best of student work).
- 81 Princeton University School of Architecture, Princeton, NJ. Exhibition (best of student work).

Competitions

- 17 Da Nang City Square Planning, Landscape, and Architectural Design Competition, Da Nang City, Vietnam, invited on team as *International Consultant*.
- 16 International Landscape Design Competition for Han River, Da Nang City, Vietnam, invited on team as *International Consultant*.
- 13 Architecture Magazine R + D Awards, "Large Module Prefabricated Housing." Entrant.
- 10 Architecture Magazine R + D Awards. Accelerating Moving Walkway entry submission (with David Garmire). Entrant.
- 04 Designtope Competition: Wooden Small Chairs. Entrant.
- 04 International Architecture Competition for the realization of the Olympic Landmark, Paris, France. Entrant.
- 04 Living Smart: Big Ideas for Small Lots – A Competition for Narrow Lot House Designs of Excellence. Entrant.
- 03 The World Trade Center Site Memorial Competition (with David Katz). Entrant.
- 98 The Potus (international competition for Clinton Memorial Library), 1st place.
- 97 The Chair (international ideas competition for memorial facility), 2nd place.
- 96 The Idiot (international ideas competition for educational facility), 3rd place.
- 95 The Juice (international competition for crime victim's memorial), Semi-Finalist.

Invited Lectures and Conferences

- 16 European Association for Architectural Education (EAAE) /Architectural Research Centers Consortium (ARCC)/ International Conference, Lisbon, Portugal, "Vietnamese workforce housing research and design."
- 14 9th Energy Forum on Advanced Building Skins, Bressanone, Italy, "Combined solar shading, daylighting, and wind harvesting skin system." (paper accepted, presentation forthcoming).
- 14 Architectural Research Centers Consortium (ARCC)/European Association for Architectural Education (EAAE) International Conference on Architectural Research, Honolulu, HI, "Collaborative design of a multi-functioning building envelope."
- 14 Urbanism Research Lab, Colloquium 1, What is the City Now?, *Panelist*.

- 13 8th Energy Forum on Solar Building Skins Conference, Bressanone, Italy, “Multi-layered Interactive Building Envelope for Tropical Housing.” In addition, served as co-chair for the session “Integrated Multi-functioning Building Envelopes”.
- 13 Designing Dhaka Book Launch, Center for South Asia, *Introducer and Commentator*.
- 13 AIAS Paper Architecture Night (PAN), *Invited Speaker*, “20 Projects”.
- 11 SoA Advisory Council Semi-Annual Meeting, “Team Hawaii Solar Decathlon”.
- 11 UH OTTED, Technology Showcase, One of three UH selected technologies presented to a group of investors and venture capitalists. Presented the “Variable Ratio Drive” invention.
- 11 Construction Specifications Institute (CSI) Annual Dinner. Invited Keynote speaker, “Team Hawaii Solar Decathlon Project”.
- 10 UHM School of Architecture, AIAS, Faculty Work, “My Work”.
- 10 Tongji College of Architecture and Urban Planning, Shanghai, China, “UH Team Hawaii Solar Decathlon”.
- 10 Construction Specifications Institute (CSI)-American Institute of Architects (AIA) 11th Pacific Building Trade Expo, Technology Showcase, One of 5 selected technologies presented to a group of investors and venture capitalists. Presented the “Variable-Speed Moving Walkway” invention.
- 10 5th Energy Forum on Solar Building Skins Conference, Bressanone, Italy, “Chameleon Project: Intelligent Kinetic Skins for Sustainable Architecture in the Tropics”. In addition, served as moderator for the concluding Round Table discussion.
- 10 Hawaii Gifted Association Conference, “Modular and Prefabricated Housing”.
- 10 UH OTTED, Technology Showcase, One of 5 selected UH technologies presented to a select group of investors and venture capitalists. Presented the “Variable-Speed Moving Walkway” invention.
- 09 SoA Advisory Council Semi-Annual Meeting, “CPI Lab”.
- 09 Petcha Kutcha Honolulu Chapter, “Team Hawaii Solar Decathlon – Conceptual Design”.
- 09 Kuai Planning & Action Alliance, Kuai, Hawaii, “CPI Lab Design and Research – Affordable Housing”.
- 09 European University of Lefke, Lefke, Cyprus, “My Work”.
- 08 Petcha Kutcha Honolulu Chapter, “My Work”.
- 07 SoA Practicum Faculty Meeting, “CPI Lab”.
- 05 Architectural Research Centers Consortium (ARCC) 2005 Research Conference, “Collaborative Research, Development, and Patent Licensing for an Energy-Saving Roofing System”.
- 04 San Francisco Institute of Architecture, Eco Wave 2004 Conference, “Emulating Natural Processes in Industrial Production”.
- 03 AIA-CSI Pacific Building Trades Expo, “Experimental Construction Methods”.
- 03 Fifth International Symposium on Asia Pacific Architecture, School of Architecture, UHM, “Intimate Architecture Machines: The Speed of Architecture in the Age of Digital Simulacra.”

Selected Design and Research

- 16-17 FRC sandwich panels (with Gregor Fischer and Tran Duc Quang).
- 12-14 Bamboo Gridshell Construction. The work was conducted with UHM students and Danang University of Science and Technology faculty and students.
- 11 Prefabricated and Modularized Tropical House Construction. The system uses tropical hardwood structural components with fabric roof structures.
- 09 Modular Panelized Housing Systems (with Asst. Prof. Gregor Fischer, Dept of Civil Engineering, UHM). The research was continued on the original CoE grant to investigate panelized low-cost housing systems using molded Fiber-Reinforced Concrete (FRC).
- 07 UH Business Plan Competition. The Ventilating Roofing System invention was selected by a team of Shidler College of Business MBA students who formed a start-up company to manufacture and distribute concrete roofing tiles.
- 05 Heat and Moisture Dissipating Low-Slope Roof Assembly.
- 05 Permanent Fabric formwork for FRC Shell Structures.
- 04 Energy-Efficient Portable Classroom Design.

- 04 Post-tensioned Floor Assembly Modules.
- 04 Workstation Design, Dept. of Civil Engineering, UHM.
- 04 Molded Modular Panel System and Structural Components of Fiber-Reinforced Concrete applied to Low-Cost Housing (with Asst. Prof. Gregor Fischer, Dept of Civil Engineering, UHM).
- 04 LCD Panel Information Display Enclosures for SoA.
- 03 FRC Cantilever Chair.
- 03 Shell-structure Table of Fiber Reinforced Concrete.
- 03 Modular Shelving of Fiber Reinforced Concrete.
- 03 Post-tensioned Modular Block-wall System of Recycled Glass.
- 03 Testing Apparatus for Engineered Cementitious Composites (with Asst. Prof. Gregor Fischer, Dept of Civil and Environmental Engineering, UHM).
- 02 Aluminum and Steel Table using moment-joint clamping.
- 02 Stainless Steel and Wood Couch.
- 02 Tropical House Prototype. Project served to explore fabric tension roof and post-tensioned concrete girder floor systems.
- 01 PDA Adapters.
- 01 Mini Electric Composite Car.
- 01 Folding Commuter Bike.
- 01 Modular Electric Violin.
- 99 Ejecting CD Case.
- 99 Fine Tuning Viol Peg.
- 99 Robotic Track Lighting System.
- 99 Hell's Kitchen, NYC, Urban Design, Hell's Kitchen Neighborhood Association and the Design Trust for Urban Space.
- 95 ThinkCap. A wearable multimedia computing/communication device.
- 94 Dinnerware for Swid Powell, Inc.

Academic Administration

- 07-09 **University of Hawaii at Manoa School of Architecture.** *Interim Associate Dean.*
- 06-07 **University of Hawaii at Manoa School of Architecture.** *Assistant Dean.*
- 99 **Pratt Institute School of Architecture.** *Acting Chair, Graduate Arch & Urban Design.*
- 97-99 **Pratt Institute School of Architecture.** *Graduate Thesis Coordinator.*
- 95-96 **Pratt Institute School of Architecture.** *Assistant Dean, Academic Affairs.*
- 94-95 **Pratt Institute School of Architecture.** *Coordinator of Student Advisement.*
- 88-91 **Oregon School of Architecture + Design.** *Director of Academic Affairs.*

Teaching

- 02-17 University of Hawaii at Manoa School of Architecture.** *Professor (tenured 06).*
- 17 Spr ARCH 690 Special Topics: Tropical Screen Systems
- 17 Spr ARCH 220 Introduction to Environmental Systems A
- 17 Spr ARCH 786 Doctorate Project II, Mike Poscablo, *D.Arch. Project Chair*
- 17 Spr ARCH 786 Doctorate Project II, Ana Molinar, *D.Arch. Project Chair*
- 17 Spr ARCH 786 Doctorate Project II, Duc Tran, *D.Arch. Project Chair*
- 17 Spr ARCH 786 Doctorate Project II, Arthur Simpson, *D.Arch. Project Chair*
- 16 Fall ARCH 726 Architecture Systems V: Integration
- 16 Fall ARCH 744 Architecture Studio V: Comprehensive Design
- 16 Fall ARCH 784 Doctorate Project I, Zoila Caseneda, *D.Arch. Project Chair*
- 16 Fall ARCH 784 Doctorate Project I, Arthur Simpson, *D.Arch. Project Chair*
- 16 Fall ARCH 784 Doctorate Project I, Tran Minh Duc, *D.Arch. Project Chair*
- 16 Spr ARCH 743 Architecture Studio IV: Urban Design
- 16 Spr ARCH 690 Special Topics: Tropical Screen Systems
- 16 Spr ARCH 786 Doctorate Project II, Mark Tabucbuc, *D.Arch. Project Chair*

16 Spr ARCH 786 Doctorate Project II, Zoila Caseneda, *D.Arch. Project Chair*
 16 Spr ARCH 786 Doctorate Project II, Sarah Giardina, *D.Arch. Project Chair*
 16 Spr ARCH 784 Doctorate Project I, Ana Molinar, *D.Arch. Project Chair*
 15 Fall ARCH 726 Architecture Systems V: Integration
 15 Fall ARCH 744 Architecture Studio V: Comprehensive Design
 15 Fall ARCH 786 Doctorate Project I, Scott Macri, *D.Arch. Project Chair*
 15 Spr ARCH 220 Introduction to Environmental Systems A
 15 Spr ARCH 743 Architecture Studio IV: Urban Design
 15 Spr ARCH 788 Doctorate Project II, Parker Lau, *D.Arch. Project Chair*
 15 Spr ARCH 786 Doctorate Project II, Stephanie Clark, *D.Arch. Project Chair*
 15 Spr ARCH 784 Doctorate Project I, Mark Tabucbuc, *D.Arch. Project Chair*
 14 Fall ARCH 526 Architecture Systems V: Integration
 14 Fall ARCH 544 Architecture Studio V: Comprehensive Design
 14 Fall ARCH 546 Doctorate Project I, Stephanie Clark, *D.Arch. Project Chair*
 14 Fall ARCH 548 Doctorate Project I, Parker Lau, *D.Arch. Project Chair*
 14 Spr ARCH 342 Intermediate Architectural Studio B
 14 Spr ARCH 693 Special Topics in Architecture and Design
 14 Spr ARCH 546 Doctorate Project I, Chester Barbasa, *D.Arch. Project Chair*
 14 Spr ARCH 546 Doctorate Project I, Mohuhano Tu'ikolongahau, *D.Arch. Project Chair*
 14 Spr ARCH 546 Doctorate Project I, Michael Hill, *D.Arch. Project Chair*
 14 Spr ARCH 546 Doctorate Project I, Russell Wozniak, *D.Arch. Project Chair*
 13 Fall ARCH 526 Architecture Systems V: Integration
 13 Fall ARCH 544 Architecture Studio V: Comprehensive Design
 13 Fall ARCH 546 Doctorate Project I, Chester Barbasa, *D.Arch. Project Chair*
 13 Fall ARCH 546 Doctorate Project I, Parker Lau, *D.Arch. Project Chair*
 13 Spr ARCH 490 Special Topics
 13 Spr ARCH 542 Architecture Studio III
 13 Spr ARCH 548 Doctorate Project I, Keith Short, *D.Arch. Project Chair*
 13 Spr ARCH 548 Keith Short, *D.Arch. Project Chair*
 13 Spr ARCH 548 David Cook, *D.Arch. Project Chair*
 12 Smr ARCH 699 Directed Work
 12 Spr ARCH 522 Architecture Systems I: intro to Systems
 12 Spr ARCH 542 Architecture Studio III
 11 Fall ARCH 526 Architecture Systems V: Integration
 11 Fall ARCH 544 Architecture Studio V: Comprehensive Design
 11 Fall ARCH 546 Doctorate Project I, David Cook, *D.Arch. Project Chair*
 11 Smr ARCH 490 Special Topics
 11 Smr ARCH 690 Special Topics Seminar
 11 Spr ARCH 399 Directed Work
 11 Spr ARCH 434 Digital Design Synthesis
 11 Spr ARCH 692 Special Topics in Architectural Technology
 11 Spr ARCH 699 Directed Work
 11 Spr ARCH 546 Doctorate Project I, Keith Short, *D.Arch. Project Chair*
 11 Spr ARCH 546 Doctorate Project I, Christopher Strahle, *D.Arch. Project Chair*
 10 Fall ARCH 399 Directed Work
 10 Fall ARCH 544 Architecture Studio V: Comprehensive Design
 10 Fall ARCH 693 Special Topics in Architecture and Design
 10 Fall ARCH 699 Directed Work
 10 Smr ARCH 526 Architecture Systems V: Integration
 10 Smr ARCH 693 Special Topics in Architecture and Design
 10 Spr ARCH 542 Architecture Studio III
 10 Spr ARCH 591 Digital Design and Fabrication
 10 Spr ARCH 693 Special Topics in Architecture and Design

09 Fall ARCH 399 Directed Work
 09 Fall ARCH 523 Architecture System II: Wood and Steel
 09 Fall ARCH 526 Architecture System V: Integration
 09 Fall ARCH 699 Directed Work
 09 Fall ARCH 699 Directed Work
 09 Spr ARCH 508 Architecture Doctorate Studio B, Chad Henderson, *Arch.D. Project Chair*
 08 Fall ARCH 523 Architecture Systems II: Wood & Steel
 08 Fall ARCH 507 Architecture Doctorate Studio A, Chad Henderson, *Arch.D. Project Chair*
 08 Smr ARCH 699 Directed Work, Shelley Hoenie, *Instructor*
 08 Spr ARCH 518 Advanced Systems
 08 Spr ARCH 508 Architecture Doctorate Studio B, Caroline Hoshi, *Arch.D. Project Chair*
 08 Spr ARCH 508 Architecture Doctorate Studio B, Douglas Hebert, *Arch.D. Project Committee*
 08 Spr ARCH 508 Architecture Doctorate Studio B, Sun-Young Reih, *Arch.D. Project Committee*
 08 Spr ARCH 508 Architecture Doctorate Studio B, Derrick Ching, *Arch.D. Project Committee*
 08 Spr ARCH 508 Architecture Doctorate Studio B, Frederick Hong, *Arch.D. Project Chair*
 07 Fall ARCH 317 Structure/Material Systems A - Wood
 07 Fall ARCH 507 Architecture Doctorate Studio A, Caroline Hoshi, *Arch.D Project Chair*
 07 Fall ARCH 507 Architecture Doctorate Studio A, Sun-Young Reih, *Arch.D. Project Committee*
 07 Fall ARCH 507 Architecture Doctorate Studio A, Derrick Ching, *Arch.D. Project Committee*
 07 Fall ARCH 507 Architecture Doctorate Studio A, Frederick Hong, *Arch.D. Project Chair*
 07 Fall ARCH 507 Architecture Doctorate Studio A, Douglas Hebert, *Arch.D. Project Committee*
 07 Fall ARCH 699 Directed Work, Christopher Parker, *Instructor*
 07 Fall ARCH 699 Directed Work, BIM, *Co-Instructor*
 07 Spr ARCH 518 Advanced Systems
 07 Spr ARCH 508 Architecture Doctorate Studio B, Christina Brown, *Arch.D. Project Committee*
 06 Fall ARCH 301 Advanced Architecture Studio A
 06 Fall ARCH 317 Structure/Material Systems A - Wood
 06 Fall ARCH 508 Architecture Doctorate Studio B, Lori Lee, *Arch.D. Project Committee*
 06 Fall ARCH 508 Architecture Doctorate Studio B, Rattana Kamlong, *Arch.D. Project Chair*
 06 Fall ARCH 507 Architecture Doctorate Studio A, Christina Brown, *Arch.D. Project Committee*
 06 Spr ARCH 418 Non-structural Materials
 06 Spr ARCH 505 Practicum Studio B, Caroline Yoshi, *Practicum SoA Instructor*
 06 Spr ARCH 505 Practicum Studio B 6 CR, Eric Badgett, *Practicum SoA Instructor*
 06 Spr ARCH 505 Practicum Studio B 6 CR, Michael Suapan, *Practicum SoA Instructor*
 06 Spr ARCH 507 Architecture Doctorate Studio A, Rattana Kamlong, *Arch.D. Project Chair*
 06 Spr ARCH 507 Architecture Doctorate Studio A, Lori Lee, *Arch.D. Project Committee*
 06 Spr ARCH 508 Architecture Doctorate Studio B, Phil Gallegos, *Arch.D. Project Committee*
 06 Spr ARCH 508 Architecture Doctorate Studio B, Mujtaba Ahsan, *Arch.D. Project Chair*
 06 Spr ARCH 699 Directed Work, Rattana Kamlong, *Instructor*
 05 Fall ARCH 301 Advanced Architecture Studio A
 05 Fall ARCH 317 Structure/Material Systems A – Wood
 05 Fall ARCH 505 Practicum Studio B, Heidi Newton, *Practicum SoA Instructor*.
 05 Fall ARCH 505 Practicum Studio B, Elizabeth Bonsato, *Practicum SoA Instructor*
 05 Fall ARCH 505 Practicum Studio B, Van Johnson, *Practicum SoA Instructor*
 05 Fall ARCH 507 Arch Doctorate Studio A, Phillip Gallegos, *Arch. D. Project Committee*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Branka Knezevic, *Arch.D. Project Chair*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Brian Chappel, *Arch.D. Project Chair*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Young-Ho Seo, *Arch.D. Project Chair*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Mujtaba Ahsan, *Arch.D. Project Chair*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Neel Chapagain, *Arch.D. Project Committee*
 05 Fall ARCH 508 Architecture Doctorate Studio B, Angela Phillips, *Arch. D. Project Committee*
 05 Spr ARCH 302 Asia Pacific Architecture Studio
 05 Spr ARCH 418 Non-structural Materials

04 Fall ARCH 301 Advanced Architecture Studio A
04 Fall ARCH 320 Intro. to Building Systems
04 Spr ARCH 477 Research Seminar
04 Spr ARCH 418 Non-structural Materials
04 Spr ARCH 302 Asia Pacific Architecture Studio
03 Fall ARCH 317 Structure/Material Systems A - Wood
03 Fall ARCH 301 Advanced Architecture Studio A
03 Spr ARCH 418 Non-structural Materials
03 Spr ARCH 302 Advanced Architecture Studio B
02 Fall ARCH 301 Advanced Architecture Studio A

94-02 Pratt Institute School of Architecture. Adjunct Associate Professor.

02 Spr ARCH 603 Graduate Thesis Architectural Design Studio
02 Spr ARCH 400 Advanced Design Studio.
01 Fall ARCH 603 Graduate Thesis Architectural Design Studio
01 Fall ARCH 400 Advanced Design Studio.
01 Smr ARCH 521C CAD (form Z).
01 Spr ARCH 603 Graduate Thesis Architectural Design Studio
01 Spr ARCH 485P Degree Project Design Studio
00 Fall ARCH 603 Graduate Thesis Architectural Design Studio
00 Fall ARCH 484P Degree Project Research.
00 Spr ARCH 603 Graduate Thesis Architectural Design Studio
00 Spr ARCH 610 Graduate Thesis Research
00 Spr ARCH 521C CAD (form Z)
99 Fall ARCH 603 Graduate Thesis Architectural Design Studio
99 Fall ARCH 610 Graduate Thesis Research
99 Spr ARCH 603 Graduate Thesis Architectural Design Studio
99 Spr ARCH 610 Graduate Thesis Research
99 Spr ARCH 521C CAD (form Z)
98 Fall ARCH 603 Graduate Thesis Architectural Design Studio
98 Fall ARCH 610 Graduate Thesis Research
98 Fall ARCH 213 Advanced Architectural Media
98 Smr ARCH 521C CAD (form Z)
98 Spr ARCH 603 Graduate Thesis Architectural Design Studio
98 Spr ARCH 602 Graduate Architectural Design Studio
97 Fall ARCH 603 Graduate Thesis Architectural Design Studio
97 Fall ARCH 602 Graduate Architectural Design Studio
97 Smr ARCH 521C CAD (form Z)
97 Spr ARCH 300 Undergraduate Thesis Advisor
96 Spr ARCH 521C CAD (form Z)
96 Fall ARCH 603 Graduate Design Thesis Advisor
96 Fall ARCH 212 Life Support Systems
96 Fall ARCH 300 Advanced Design Studio
96 Fall ARCH 300 Undergraduate Thesis Advisor
96 Smr ARCH 565P Designing with Form Z
96 Spr ARCH 300 Advanced Design Studio.
96 Spr ARCH 300 Undergraduate Thesis Advisor
95 Fall ARCH 301 Advanced Design Studio
95 Spr ARCH 300 Advanced Design (vertical) Studio
94 Fall ARCH 301 Advanced Design Studio

94 Portland State University. Adjunct Professor of Architecture.

94 Smr ARCH 211 Architectural Media I & II

94 Wtr ARCH 461 Advanced Architecture Design Studio

93 University of Washington. Visiting Lecturer in Architecture.

93 Fall ARCH 503 Graduate Architecture Design Studio

92 Pacific Northwest College of Art. Instructor.

92 Fall Principal Critic/Advisor for Graduate Architectural Design Thesis.

92 Smr Architecture and Urban Design Studio

91-92 University of Washington. Visiting Lecturer in Architecture.

92 Fall ARCH 500 Graduate Architecture and Urban Design Studio

92 Wtr ARCH 501 Graduate Architecture Design Studio

91 Fall ARCH 500 Graduate Architecture and Urban Design Studio

85-89 Oregon School of Architecture + Design. Assistant Professor of Architecture.

89 Smr ARC 340 History / Theory Seminar, Le Corbusier and Terragni

89 Spr ARC 202 Architecture Design Studio

88 Fall ARC 201 Architecture Design Studio

88 Smr ARC 301 Architecture Design Studio

88 Spr ARC 412 History / Theory Seminar, Modern Architecture II

88 Spr ARC 202 Architecture Design Studio

87 Fall ARC 201 Architecture Design Studio

86 Fall ARC 401 Architecture Design Studio

86 Spr ARC 112 History / Theory Intro Survey II

86 Fall ARC 502 Architecture Thesis Design Studio

86 Smr ARC 501 Architecture Thesis Design Studio

85 Fall ARC 301 Architecture Design Studio

85 Fall ARC 111 History / Theory Intro Survey 1

83 Princeton University. Graduate Teaching Assistant.

81 University of Oregon. Assistant Instructor.

77 University of Oregon. Teaching Assistant.

Academic Service

17 Talking Tropics: Mitigating Challenges and Opportunities for Emerging Tropical Cities in the 21st Century, Brooklyn, NY. *Panelist.*

17 The Open Construction & Building Technology Journal, *Paper Peer Reviewer.*

16 ARCC 2017 Conference, *Paper Peer Reviewer.*

16 International Journal of Sustainable Development & Planning, *Paper Peer Reviewer.*

16 European Journal of Transport and Infrastructure Research (EJTIR), *Paper Peer Reviewer.*

16 Sustainable Cities & Society journal (Elsevier), *Paper Peer Reviewer.*

16 Façade Tectonics 2016 World Congress, University of Southern California, *Paper Peer Reviewer.*

15-16 UHM Graduate Council, *Member.*

15 UHM College of Engineering SpaceX Hyperloop Pod Competition Team, *Faculty Advisor.*

14-15 Fulbright Specialist Urban Planning Review Committee, *Member.*

14 Architectural Research Centers Consortium (ARCC), ARCC 2015 Conference: Future of Architectural Research conference, *Abstract and Paper Reviewer.*

14 ARCC/EEAE 2014 International Conference, *Co-chair; Chair – Call for Papers; Co-Editor, Proceedings.*

- 11-14 International Cooperative Programs. Traveled to Vietnam and met with delegations from Ho Chi Min City Architecture University and with Da Nang University of Technology to initiate cooperative agreements for student and faculty exchange, and research collaboration. Worked with DUT students and faculty during sabbatical fall 2012. Initiated discussion for MOU agreement.
- 13 “Revenant: The Undeath of ideas in Architecture,” CoXist Studio, Honolulu, HI, *Panelist*.
- 05 Sixth International Symposium on Asia Pacific Architecture, 2005. *Co-Secretary General*, Call for Papers, *Co-Chair*, Symposium Proceedings *Co-Editor*.
- 02 Convergence – Development at the Edge of Waikiki: A Design Charrette, *Co-Director*.

02-14 Standing and Ad Hoc Committees

Recent Committees - UHM School of Architecture

- Spr 17 Architecture Personnel Committee
- Spr 17 Curriculum Committee
- Spr 17 Architecture Faculty Senate, *Officer Alternate*
- Fall 16 Architecture Personnel Committee
- Fall 16 Curriculum Committee
- Fall 16 Architecture Faculty Senate, *Officer Alternate*
- Spr 16 Executive Committee, *Member*
- Spr 16 Facilities Committee, *Member*
- Spr 16 Architecture Faculty Senate, *Chair*
- Spr 16 Faculty Search Committee, *Co-Chair*
- Fall 15 Architecture Faculty Senate, *Chair*
- Fall 15 Architecture Personnel Committee, *Co-Chair*
- Fall 15 Curriculum Committee, *Member*
- Fall 15 Facilities Committee, *Member*
- Spr 15 Facilities Committee, *Member*
- Spr 15 Graduate Admissions Committee, *Member*
- Spr 15 Portfolio Review Committee, *Member*
- Spr 15 Facilities Committee, *Member*
- Fall 14 Graduate Admissions Committee, *Member*
- Fall 14 Portfolio Review Committee, *Member*
- Fall 14 Exhibitions Committee, *Member*
- Fall 14 Facilities Committee, *Member*
- Spr 14 Graduate Program Working Group, *Member*
- Spr 14 Faculty Handbook Committee, *Member*
- Spr 14 Facilities Committee, *Member*
- Fall 13 Graduate Program Working Group, *Member*
- Fall 13 Faculty Handbook Committee, *Member*
- Fall 13 Facilities Committee, *Member*
- Spr 13 Faculty Search Committee, *Chair*
- Spr 13 Facilities Committee, *Member*
- Spr 13 Portfolio Review Committee, *Member*

Recent Committees – UHM

- All Campus Council of Faculty Senate Chairs, *Member*
- UHM Graduate Council, *Member*
- UHM Tenure and Promotion Review Committee, *Member*

Prior Service

UHM School of Architecture (dates of service vary for each entry)

- Portfolio Review Committee, *Member*
- Admissions Committee, *Member*

- Curriculum Committee, *Member*
- Strategic Planning Committee, *Member*
- Practicum Advisors Committee, *Member*
- Dean Search Committee, *Member*
- Faculty Senate, *Secretary*
- A.I.A.S. Chapter, *Faculty Advisor*
- Sustainable SoA Energy Savings Task Force, *Chair*
- Graduate Education Task Force, *Chair*
- Construction Management Task Force, *Co-Chair*
- SoA Electronic Bulletin Board Task Force, *Member*
- Faculty Search Committee, *Member*
- Student Recruitment Committee, *Member*
- Faculty Personnel Committee, *Member, Chair*
- Faculty Research Committee, *Member*
- Lectures Committee, *Member*
- Symposium Committee, *Member*
- Grievance Committee, *Member*
- Exhibits Committee, *Member*
- Structures/Materials Curriculum Strand, *Coordinator*
- SoA-UHPA, *Faculty Representative*
- UHM Prioritization Task Force, *Member*

UHM College of Engineering

07 Faculty Search Committee, *Member*

05 Building Materials Lab Task Force, *Member*

07-09 Activities, *Interim Associate Dean*

Degree Programs

-4+3 Program (conversion of 7-year D.Arch to 4-year B.EnvD + 3-year D.Arch):

- Curriculum Committee: Formulated new 4+3 curriculum.
- Bachelor of Environmental Design Program: Principal author, Authorization to Plan document submitted to the University.
- Course Descriptions: Principal author, new course descriptions/NAAB SPC assignments/NAAB matrix, Student Learning Outcomes, pre-requisites.
- UHM Catalog/Banner: Author, all University forms to modify or add courses.
- Continuing Student Transfer: Author, transfer policies.

-Master of Landscape Architecture Program: Member, program development task force.

-Bachelor of Construction and Project Management Program: Member, program development task force. Principal author, curriculum draft and Authorization to Plan document submitted to the University.

-D.Arch. Program:

- University Program Review: Principal author.
- University Provisional to Established status: Principal author.
- School Policies and Procedures: Principal author.
- Professional Studio: Principal author for key course/program changes.
- D.Arch. II program (post-professional): Lead author, program description and curriculum outline.
- D.Arch. Global Studies program: Worked with the Dean to develop a program in cooperation with leading universities in China and Korea.

- NAAB Accreditation: Principal author, Architectural Program Report. Organized Team Visit.
- Western Association of Schools and Colleges Accreditation. School Coordinator and Member of University WASC Accreditation Committee. WASC Annual Report: Lead Author.

General Administration

- Mission Statement: Led faculty development and served as lead author of revised school mission.
- Staff and Faculty Position Descriptions: Lead author for position descriptions including Secretary II, Secretary I, Shop Supervisor-APT, Shop Supervisor-Student, Director of Student Services, General Assistant, and Full-Time tenure track positions in Computer Applications, Building Technology, Sustainable Design, History/Theory.
- Course Offerings: Determined courses to offer, instructor assignments, time and room assignments. Worked with Dean and faculty to negotiate salaries, and drafted contracts.
- Faculty Information Document ("faculty handbook"): Principal author.
- Course/Instructor Evaluations: Instituted first use of online eCAFE system for conducting end of semester evaluations. Worked with faculty to develop question set included in the evaluations.
- Facility:
 - School Building:
 - Coordinated Digital Fabrication Services set-up with IT Specialist.
 - Drafted plans for optimizing building use and coordinated ECS Lab, CPI Lab, and Administrative Office relocations.
 - Coordinated electrical service upgrades for digital fabrication equipment.
 - Proposed Sinclair Library Space:
 - Initiated and led feasibility study, programming and schematic design to use Sinclair Library space to house the school (assuming school triples enrollment and Sinclair Library relocated).
- Assessment:
 - Formulated and implemented an academic program assessment plan used for reporting to the University and WASC.
 - Student Learning Outcomes: Principal Author of SLO's for required courses.
 - Surveys: Wrote, conducted, received reports, and analyzed an end of year student survey and alumni survey.
 - Exit interviews: participated with meetings with the Dean and graduating students.
- Academic Calendar: Coordinated main calendar items. Led revision of the end of semester schedule including Studio Review week and Doctorate Project presentations.
- Admissions and Recruitment:
 - Coordinated with University Admissions to establish new procedures for incoming students (first degree and second degree).
 - Participated in University-organized recruiting events, and ACSA recruiting event at USC and Boston Society of Architects recruiting event at Wentworth Institute.
 - Principal author of all print and web recruiting materials/information.

- Chair of Admissions Committee: reviewed all applications and made final admissions decisions.
- Student Services:
 - Coordinated all Student Services Office activities.
 - Initiated University Banner system automated prerequisite check.
 - Revised probationary status policies and procedures.
 - Advised students having difficult or complex issues.
 - Completed University Admissions requests for transfer credit equivalencies.
- Commencement: Participated in general coordination and editing of Commencement Script.
- Budget: Worked with the Dean to develop and implement budget and coordinate faculty, teaching assistant and graduate assistant allocations.
- Committee Service: Curriculum, Development, Student Recruitment and Admissions (Chair), Strategic Planning (Chair), NAAB (Chair), Website/Publications (Chair).
- ACSA School Representative: Served as liaison between the ACSA and the school faculty.

06-07 Activities, Assistant Dean

General Administration

- Course Offerings: Determined courses to offer, instructor assignments, time and room assignments. Worked with Dean and faculty to negotiate salaries, and drafted contracts.
- Summer Program: Led development of special summer “superstudio” program involving students from the school and students and faculty from other schools.
- Academic Calendar: Coordinated main calendar items.
- Admissions and Recruitment:
 - Participated in University-organized recruiting events
 - Principal author of all print recruiting materials/information.
 - Chair of Admissions Committee: reviewed all applications and made final admissions decisions.
- Student Services:
 - Coordinated all Student Services Office activities.
 - Advised students having difficult problems.
 - Completed University Admissions requests for transfer credit equivalencies.
- Studio Culture Policy: Coordinated work of students and faculty to draft the policy.
- Commencement: Participated in general coordination.
- Budget: Worked with the Dean to develop and implement budget and coordinate faculty, teaching assistant and graduate assistant allocations.
- Committee Service: Curriculum, Development, Student Recruitment and Admissions (Chair), Strategic Planning, NAAB (Chair), Public Relations/Publications (Chair).
- ASCA School Representative: Served as liaison between the ACSA and the School faculty.

Professional/Community Service

- 17 The Open Construction and Building Technology Journal, *Paper Peer Reviewer*.
- 17 Tropical Case Study Houses International Competition, *Advisory Board Member and Juror*.
- 16 Prototropic, Surf and Samba: Panel Talk on Tropical Architecture and Urbanism of Honolulu and Rio, Center for Architecture, AIA Honolulu, *Panelist*.
- 16 Urbanized: Urban Development on Waialae Avenue, Honolulu, Center for Architecture, AIA Honolulu, *Panelist*.
- 16 ARCC 2017 Conference, *Paper Peer Reviewer*.
- 16 International Journal of Sustainable Development & Planning, *Paper Peer Reviewer*.
- 16 European Journal of Transport and Infrastructure Research (EJTIR), *Paper Peer Reviewer*.
- 16 Sustainable Cities & Society journal (Elsevier), *Paper Peer Reviewer*.
- 16 Façade Tectonics 2016 World Congress, University of Southern California, *Paper Peer Reviewer*.
- 12-16 Hawaii Gifted Association, *Board Member*.
- 11 UH OTTED, Technology Showcase, Presented "Variable Ratio Drive" invention as one of three selected UH technologies to a select group of investors and venture capitalists.
- 11 Construction Specifications Institute (CSI) Annual Dinner. *Keynote speaker*, "Team Hawaii Solar Decathlon Project".
- 11 Roosevelt High School Senior Project, *Mentor*.
- 10 Tongji College of Architecture and Urban Planning, Shanghai, China, "UH Team Hawaii Solar Decathlon".
- 10 Construction Specifications Institute (CSI)-American Institute of Architects (AIA) 11th Pacific Building Trade Expo, "UH Team Hawaii Solar Decathlon".
- 10 Technology Showcase, One of 5 selected technologies presented to a select group of Investors and venture capitalists. Presented the "Variable-Speed Moving Walkway" invention.
- 10 Hawaii Gifted Association Conference, "Modular and Prefabricated Housing".
- 10 UH OTTED, Technology Showcase, One of 5 selected technologies presented to a select group of investors and venture capitalists. Presented the "Variable-Speed Moving Walkway" invention.
- 09 Hawaii Gifted Association, *Conference Presenter*
- 09 Petcha Kutcha Honolulu Chapter, "Team Hawaii Solar Decathlon – Conceptual Design".
- 09 Kauai Planning & Action Alliance, Kuai, Hawaii, "CPI Lab Design and Research – Affordable Housing".
- 09 European University of Lefke, Lefke, Cyprus, "My Work".
- 08 Petcha Kutcha Honolulu Chapter, "My Work".
- 05 A.I.A.S. (American Institute of Architecture Students), *Faculty Member*.
- 04 Hawaiian Cement Concrete Achievement Awards, *Juror*.
- 03 AIA-CSI Pacific Building Trades Expo, "Experimental Construction Methods".
- 03 A.I.A. Honolulu Chapter Architectural Registration Examination Workshop, *Workshop Presenter*.
- 03 A.I.A./CSI Annual Building Trade Expo 2003, *Invited Speaker*
- 02 A.I.A. Honolulu Chapter Architectural Design Awards, *Juror*.

Publications

Since Initial Hire

Books of Original Scholarship

-Rockwood, David, *Bamboo Gridshells*, Routledge, 2015, 1st Edition.

Chapters in Books

-Rockwood, David, (Ashraf, K., Editor), "Reinventing the Tropical House", *Locations, Vol. 1*, Oro Editions, 2016.

-van Uffelen, Chris, *Bamboo Architecture & Design*, Braun, 2014.

-Yee, Rendow, *Architectural Drawing: A Visual Compendium*, John Wiley & Sons, 2003, 1st Edition, p.51.

-Yee, Rendow, *Architectural Drawing: A Visual Compendium*, John Wiley & Sons, 2011, 4th Edition, p.79.

Articles in International or National Refereed Journals

- Rockwood, David, and Tran Duc, Quang, "Urban immigrant worker housing research and design for Da Nang, Viet Nam," *Sustainable Cities and Society* 26 (2016) 108-118. [Rockwood contribution 80%].
- Rockwood, David *et al*, "Design and Prototyping of a FRCC modular and climate responsive affordable housing system for underserved people in the pacific island nations." *Journal of Building Engineering*, 2015. [Rockwood contribution 75%].
- Rockwood, David; Garmire, David; Cook, David; LeRoy, Majdoline, "Combined solar shading, daylighting, and wind harvesting skin system," *Sustainable Energy Technologies and Assessments* (Elsevier, currently in review). [Rockwood contribution 60%].
- Rockwood, David, "Tropical Case Study House No. 1," *Prototropic 0.1*. Last Modified October 2015, http://issuu.com/xmanifest/docs/prototropic_-_tropical_case_study_h/1.
- Rockwood, David, and Garmire, David, "A New Transportation System for Efficient and Sustainable Cities: Development of a Next Generation Variable Speed Moving Walkway," *Sustainable Cities and Society*, 2015 [Rockwood contribution 85%].
- Rockwood, David, and Garmire, David, "A continuously variable transmission for efficient urban transportation," *Sustainable Materials and Technologies*, 2015. [Rockwood contribution 80%].

Articles in Other Journals

- Caseley, Laura, "Solar Decathlon 2011: University of Hawaii, Hale Pihonua, The Applied Materials Blog, Last modified September 20, 2011, <http://www.earthtechling.com/2011/09/solar-decathlon-2011-university-of-hawaii-hale-pihonua/>.
- Ceniceros, Matt, "Team Hawaii Solar Decathlon 2011: Creating Sustainable and Affordable Housing Solutions for Hawaii, The Applied Materials Blog, Last modified February 23, 2011, <http://blog.appliedmaterials.com/keywords/team-hawaii>.
- "DOE Picks 20 Teams to Compete in the 2011 Solar Decathlon." Last modified April 21, 2010, http://www1.eere.nergy.gov/solar/sunshot/news_detail.html?news_id15940.
- Editors, "Hale Pihonua, A Sustainable and Floatable Home," *Green Passive Solar Magazine*, Last modified May 3, 2011, <http://www.greenpassivesolar.com/2011/05/hale-pihonua-sustainable-floatable-home/>.
- Editors, "Hawaii withdraws from Solar Decathlon," *Hawaii Star*, Last modified June 1, 2011, <http://www.hawaiistar.com/2011/06/uh-team-withdraws-from-solar-decathlon/>.
- Fears, Darryl, "Solar Decathlon Houses now have a home on the Mall," *Washington Post*, Last modified February 23, 2011, <http://www.washingtonpost.com/wpdyn/content/article/2011/02/23/aar2011022307849.html>
- "Geeky Hale Pihonua." Last modified March 1, 2011, <http://www.firstpost.com/topics/organization/solar-decathlon-geeky-hale-pihonua-video-ecdit6hbska-76828-31.html>.
- Gragg, Randy, "Portland's 10 Greatest Homes", *Portland Monthly*, April, 2011, p. 54.
- "Hawaii's Hale Pihonua." Last modified August 3, 2011, <http://www.tinyhousedesign.com/2011/08/03/2011-solardecathlon-preview/hawaii-hale-pihonua/>.
- Hoyt, Alex, "2011 Solar Decathlon Team Hawaii." *The Applied Materials Blog*, Last modified October 27, 2011, <http://www.ecobuildingpulse.com/technology/solar-decathlon-profile-team-hawaii.aspx>.
- Ileva, Antonina, "Solar Decathlon," *Open Buildings*, Last modified October 7, 2011, <http://www.openbuildings.com/blog/2011/10/solar-decathlon>.
- Meinhold, Bridgette, "Team Hawaii Withdraws From Solar Decathlon Competition Despite Amazing Design," *Inhabitat*, Last modified June 9, 2011, <http://www.inhabitat.com/team-hawaii-withdraws-from-solar-decathlon-competition-despite-amazing-design/>.
- Roma Villa, Mari, "Latino students contribute to Hawaii Team competing in 2011 Solar Decathlon," *Latina Lista*, Last modified April 26, 2011, <http://www.latinalista.com/latino-students-contribute-to-hawaii-team-competing-in-2011-solar-decathlon/>.
- Schmieder, Martina, "Team Hawaii's Semi-Monocoque House Hale Pihonua," *Plastruction*, May-June, 2010, p. 17.

- “Solar Decathlon Team Hawaii.” Last modified March 1, 2011, <http://www.hawaiiistomorrow.com/links.html>.
- “Solar Decathlon 2011 University of Hawaii, Hale Pihonua.” Last modified June 5, 2011. http://www.solardecathlon.gov/past/2011/team_hawaii.html.
- “2011 Solar Decathlon: Team Hawaii, Hale Pihonua Connects Home, Land, and Sea.” Last modified March 1, 2011. <http://www.buildpedia.com/aec-pros/design-news/2011-solar-decathlon-team-hawaii.html>.
- “20 Solar Decathlon Designs for 2011.” Last modified August 3, 2011, <http://www.jetsongreen.com/2011/08/twenty-solar-decathlon-home-models.html>.
- “solardecathlon-hawaii-software-mockups.” <http://www.code.google.com/p/solardecathlon-hawaii-software-mockups-issues/list>.
- Solar Decathlon (5)-University of Hawaii’s hale pili honua of 2011,” <http://www.sunisthefuture.net/?tag=hale-pili-honua>.
- “Solar Decathlon: Team Hawaii.” <http://www.slideshare.net/uhmreis/solar-decathlon-team-hawaii>.
- Star-Advertiser Staff, “UH withdraws team from U.S. Solar Decathlon.” Last modified June 2, 2011, <http://www.staradvertiser.com/news/breaking/123004143.html>.
- “Team Hawaii to compete in U.S. Department of Energy’s 2011 Solar Decathlon.” Last modified April 21, 2010, <http://www.hawaii.edu/news/article.php?aid=3571>.
- “teamhawaii to Compete in the Solar Decathlon.” <http://www.sunetric.com/blog/post/teamhawaii-to-compete-in-the-solar-decathlon/>.
- “Team Hawaii Ready to Rock 2011 Solar Decathlon.” <http://www.solarfeeds.com/team-hawaii-ready-to-rock-2011-solar-decathlon/>.
- “Team Solar Decathlon Hawaii’s House.” Last modified December 10, 2010. <http://www.blueplanetfoundation.org/recent-news/entry/team-hawaiis-solar-decathlon-house.html>.
- “UH Competes in Solar Decathlon.” Last modified April 30, 2010, <http://www.hawaii.edu/newsatuh//2010/04/uh-competes-in-solar-decathlon/>.
- “University of Hawaii Computer-Animated Walkthrough (Text version).” Last modified July 29, 2012. http://www.solardecathlon.gov/past/2011/videos_hawaii_text.html.
- Wu, Nina, “A Fullness of Living Lightly, Isle students have designed a home that sparingly affects the environment”, *Star Advertiser*, May 23, 2011, p. D1.

Refereed Conference Contributions

- Rockwood, David, “Intimate Architecture Machines: The Speed of Architecture in the Age of Digital Simulacra,” *Proceedings, Fifth International Symposium on Asia Pacific Architecture, School of Architecture, University of Hawaii at Manoa*, 2003, pp.149-156.
- Garmire, Rockwood, Qu, Park, “Chameleon Project - Intelligent Kinetic Skins for Sustainable Architecture in the Tropics,” *Proceedings, Fifth Energy Forum Solar Building Skins*, 2010, pp. 99-103. [Rockwood contribution 40%].
- Rockwood, David, “Multi-layered Interactive Building Envelope for Tropical Housing,” *Proceedings, Eighth Energy Forum Advanced Building Skins*, 2013, pp. 5-9.
- Rockwood, David, “Collaborative design of a multi-functioning building envelope,” *Proceedings of the 2014 ARCC/EAAE International Conference on Architectural Research*, 2014, pp. 535-544.
- Rockwood, David; Garmire, David; Cook, David; LeRoy, Majdoline, “Combined solar shading, daylighting, and wind harvesting skin system.” *Proceedings, 9th Energy Forum on Advanced Building Skins*, 2014. [Rockwood contribution 60%].

Grants

- Fulbright Specialist Grant in Urban Planning at Danang University of Technology, Vietnam. Awarded \$11,500 grant, 2014.
- US AID PACAM Fund/Embassy of Japan, Co- Principal Investigator, Sustainable and resilient Marshall Islands housing. Awarded \$350,000 grant 2014. Proposal not funded.
- University Research Council. A 2,000 award (pending) for travel to the 9th Energy Forum on Advanced Building Skins Conference, 2014.

- Sinclair Library Comfort Study, *Co-Project Leader*. \$30,000 awarded from Hawaii Natural Energy Institute and Outreach College to Environmental Research and Design Lab and Construction Process Innovation Lab, 2014.
- National Science Foundation (NSF), *Co-Principal Investigator*, Integrative Graduate Education and Research Traineeship (IGERT). A \$3,000,000 proposal submitted (not funded), 2011.
- U.S. Dept. of Energy Solar Decathlon. *Principal Investigator*. Awarded \$50,000 to support student travel and research stipends for the international competition to design, build, and operate a net-zero solar powered house, 2009-2011.
- National Science Foundation (NSF), *Principal Investigator*, A \$2,000,000 Emerging Frontiers in Research and Innovation 2010 (EFRI-SEED) proposal, "Chameleon Project - Intelligent Kinetic Skins for Sustainable Architecture in the Tropics", 2010. Proposal not funded.
- College of Social Sciences. A \$3,000 award to the CPI Lab for design work for Saunders Hall renovations, 2006.
- School of Architecture Travel Award. A \$1,500 award for travel to the 2005 Architectural Research Council Consortium (ARCC) Annual Conference, 2005.
- University of Hawaii Office of Technology Transfer and Economic Development (with Gregor Fischer, Asst. Prof., UHM Dept. of Civil and Environmental Engineering). A \$5,000 award for prototyping the invention "Ventilating Roofing System," 2004.
- College of Engineering Research Council Seed Grant, UHM (with Gregor Fischer, Asst. Prof., UHM Dept. of Civil and Environmental Engineering). A \$20,000 award for developing, "Modular building technologies for green and cost-efficient housing structures using advanced composites and recycled materials," 2004.
- University Research Council Faculty Travel Fund. A \$1,400 award for travel to the Eco-Wave conference to deliver a paper entitled "Emulating Natural Processes in Industrial Production: Considerations of Mass-Customization as an Influence in Ecological Design Pedagogy," 2004.
- Research Relations Fund, UHM, Research Grant Proposal (with Jin-Ho Park, Asst. Prof., UHM School of Architecture), "A Full-Scale Construction of Rudolph Schindler's Panel Post Construction System, 1933-42," 2003. Project awarded \$3,200.

Internal Reports and Other Unpublished Work (Since Initial Hire)

- 14 Fulbright Specialist Project Report: Sustainable and Affordable Housing for Da Nang, Vietnam.
- 14 SoA Faculty Handbook.
- 09 SoA Studio Culture Policy.
- 08 Course Descriptions, Student Learning Outcomes – Revised D.Arch. Program.
- 08 SoA Policies and Procedures.
- 07 UHM Authorization to Plan (for proposed Bachelor of Environmental Design degree).
- 07 UHM Authorization to Plan (for proposed Bachelor of Construction Management degree).
- 07 UHM Program Review.
- 07 UHM Program Provisional to Established.
- 04-05 "Arch. D. Project Handbook" Curriculum Committee, School of Architecture, UHM.
- 04 "Graduate Education at the SoA," Graduate Education Task Force, School of Architecture, UHM.
- 03 "Arch.D Materials/Structures Curriculum Strand," School of Architecture, UHM.

Publications Prior to Initial Hire

Chapters in Books

- Frampton, Kenneth, *American Masterworks: The 20th Century House*, Rizzoli, 1995, pp. 90-96.

Articles in International or National Refereed Journals

- Bartle, Andrew and Kirchenfeld, Jonathan, "The Big Country," *Ottogono*, September, 1988, pp.20-41.
- Boles, Daralice D., "P/A Technics – Precast Concrete," *Progressive Architecture*, March 1987.
- Carmichael, John, "Rockwood Residence," *The Architect – The Journal of the Royal Institute of British Architects*, August, 1987, p.57-60.

- Carmichael, John, "Pumice Concrete Panels," *Concrete International: Design and Construction*, November, 1986, pp.31-32.
- Editors, "Open-and-shut laundry sewing room," *Sunset*, February, 1988, p.134.
- Editors, "Loom rooms with a view," *Sunset*, November, 1987, p.24.
- Editors, "Western Home Awards 1987-1988 Award of Merit," *Sunset*, October 1987.
- Editors, WTC Site Memorial Competition, Downtown Development Corporation, <http://www.wtcsitememorial.org/ent/entl=634202.html>, 2004.
- Fisher, Thomas, "Special Issue – Young Architects, David Rockwood", *Progressive Architecture*, June 1987, p.67-69.
- Gantenbein, Douglas, "David Rockwood, A steel and Glass Bay-front House in Portland," *Architectural Digest*, August, 1989, pp.72-77.
- Gantenbein, Douglas, Architecture: David Rockwood – Une maison de verre et d'acier en bordure de la baie de Portland, *Architectural Digest – Les Plus Belles Maisons du Monde*, February, 1991, pp.74-79.
- Gantenbein, Douglas, Architecture: David Rockwood – Cemento, vetro e acciaio per una struttura modulare, *Architectural Digest – Le Piu' Belle Case del Mondo*, June, 1990, pp.11.
- Hurd, M.K., Pumice and scoria concrete panels for Oregon home, *Concrete Construction*, December, 1987, p.47-48.
- Goodall, Rosan, "Precast Panels Use Pumice," *Concrete Products*, July, 1986, p.44.
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Grants

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