SCHOOL OF ARCHITECTURE & ENVIRONMENT

GUIDE TO FACULTY RESEARCH

WINTER 2020

HISTORIC PRESERVATION
LANDSCAPE ARCHITECTURE
INTERIOR ARCHITECTURE
ARCHITECTURE
SPATIAL JUSTICE FELLOWS

HISTORIC PRESERVATION

JAMES BUCKLEY

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Ph.D, Architecture, UC Berkeley, 2000
MCRP, UC Berkeley, 1986
BA, Art History & American Studies, Yale University, 1982

Buckley's academic interests include the study of vernacular architecture and cultural landscapes. His previous research includes an investigation of urban development related to the redwood lumber industry in nineteenth-century California and a study of the built environment of Latinos in California's Central Valley. In 2015, he served as a Fulbright Senior Fellow at the Universadad Politécnica de Madrid studying new approaches for "urban regeneration" in historic neighborhoods in Spanish cities. His current research examines the use of historic preservation approaches to assist minority and low-income communities.

Recent work includes:
"People in Place: Local Planning to Preserve Diverse Cultures," in Neil Silberman and Angela Labrador, eds., The Oxford Handbook of Public Heritage Theory and Practice (Oxford University, 2018)
- "Tangible Benefits from Intangible Resources: Using Social and Cultural History to Plan Neighborhood Futures," Journal of the American Planning Association 82:2 (2016), 152–166 (with Donna Graves)

KINGSTON HEATH

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Ph.D, American Studies, Brown University
MA, Art History, University of Chicago
BA, English, Lake Forest College

Heath's work experience includes positions as the State Architectural Historian for the Montana State Historic Preservation Office, supervisor of Historical Interpretation at Mystic Seaport, and professor of Architectural History and Historic Preservation at Montana State University and the University of North Carolina at Charlotte. He is a past three-term member of the board of directors of the Vernacular Architecture Forum (VAF). Areas of specialization include vernacular architecture of the American West, New England workers' housing, American building construction history, and vernacular architecture theory.

In addition to several articles and book chapters, Heath is the author of The Patina of Place: The Cultural Weathering of a New England Industrial Landscape, winner of the 2002 Abbott Lowell Cummings Prize by the VAF "in recognition of the outstanding work in North American vernacular studies," and Vernacular Architecture and Regional Design (2009). As founder of the Croatia Field School, an interdisciplinary program focused on the traditional stone architecture of Croatia's Central Dalmatian Coast, he served for several years as director and continues to foster its growth.

DONALD PETING

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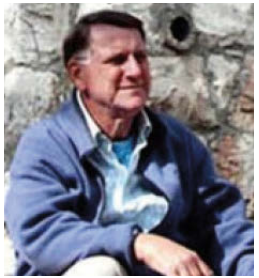
BArch, University of Illinois at Urbana Champaign



Donald Petting is the former director of the Historic Preservation Program for the University of Oregon, former director of the Pacific Northwest Preservation Field School, and former associate dean for the School of Architecture and Allied Arts (now known as the College of Design). Peting is a historical architect and maintains a consulting practice that focuses on 19th and early 20th century architecture.

Areas of interest include traditional building technologies, early powered mills, and seismic retro-fitting of historic structures. Peting has been a Fellow of the American Academy in Rome since 1978. In 2005, the National Council for Preservation Education honored his educational career with their James Marston Fitch lifetime achievement award.

CHAD RANDL

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MA, Historic Preservation Planning, Cornell University
BA, History, University of Illinois at Urbana Champaign

Randl's research involves various aspects of US domestic architecture. He recently co-edited a special issue on cast and wrought iron in the APT Bulletin: The Journal of Preservation Technology.

His work includes:
Revolving Architecture: A History of Buildings that Rotate, Swivel, and Pivot (New York: Princeton Architectural Press, 2008)
A-Frame (New York: Princeton Architectural Press, 2004)
"Look Who's Designing Kitchens: Personalization, Gender, and Design Authority in the Postwar Remodeled Kitchen," Buildings and Landscapes, 21 no. 2 (Fall 2014): 57–87

LANDSCAPE ARCHITECTURE

JACQUES ABELMAN

ASSISTANT PROFESSOR | DEPARTMENT OF LANDSCAPE ARCHITECTURE

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MLA, Amsterdam Academy of Architecture, The Netherlands, 2014
MA in Design for the Environment, Chelsea College of Art, University of the Arts, London, UK, 2002
BA, Independent Scholar in Environmental Science, Philosophy, and Fine Arts, Amherst College, MA, 1996

My aim as a designer and educator is to envision the future city through the potential of landscape. My teaching focuses on multi-functional green infrastructural systems from the level of urban fabric down to the site scale. My current research seeks to engage and develop "research through designing" methodologies to investigate infrastructural ecologies at the intersection of agroecological and social systems. In my built work and installations, I primarily seek to bring ecological cycles and food systems to life through aesthetic, tactile, and educational interventions. The intention of all of my work is the weaving together of spatial design strategies, social justice engagement, and productive landscape systems.

LISKA CHAN

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MLA, Cornell University, 2000
BA, Hampshire College, 1990

The theme that runs through the continuum of Chan's creative work and scholarship consists of three intertwined threads of practice and thinking. The first thread is landscape palimpsests, which involves mapping historical patterns of human settlement and infrastructure and the social and physical legacies left in the contemporary landscape. The second related component is landscape perception and the deep influences sensory perceptions and cultural ideals have on how we build places. This thread involves a practice of temporarily altering physical landscapes, such as braiding fields of grass into sculptural forms. The third is a pursuit of new mapping methods that combine the representation of both measurable and indeterminate (i.e., phenomenological) aspects of landscape. Chan's creative practice and scholarship reference phenomenology, visual studies, and perception theory while being grounded in techniques of drawing, art, and fundamental spatial design principles.

ARICA DUHRKOOP-GALAS

SENIOR INSTRUCTOR | DEPARTMENT OF LANDSCAPE ARCHITECTURE

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MLA, University of Oregon, 2005
CELTA, University of Cambridge, 1999
BA, Portland State University, 1998
Registered Landscape Architect

Duhrkoop-Galas's creative practice is landscape design in a small firm focusing primarily on high-end residential, with some commercial and municipal projects. Their work supports sustainability through designs built with local, long-lived materials and healthy soils. Within this framework Duhrkoop-Galas has excelled in designing with plants for deer resistance and clay tolerance. Projects include habitat plants to support backyard creatures such as birds, butterflies, and a variety of pollinators and she is compiling a climate resilient plant list of plants that are drought tolerant, can grow in clay soils, and are also cold hardy. She is also designing landscapes for climate resilience through a design studio course to determine how ecologically functional landscapes can fit into the developed urban fabric while focusing on aesthetic principles and human comfort in the face of climate change. Her passion lies at a larger scale, where green infrastructure can play a role in healthy, livable cities. The idea that a linked system of green roofs, storm-water swales, pollinator meadows, and edible gardens could support multiple ecological functions and walkability is appealing to her, and she sees potential in every roadside strip, abandoned alley, and vacant lot. Duhrkoop-Galas has chosen the combination of professional practice and instruction to bring current field knowledge and methods to university students while keeping academic thinking alive in the profession. Landscape architects need to be leaders and educators in addition to project managers and liaisons for the earth sciences.

MARK R. EISCHEID

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Ph.D, University of Edinburgh, 2017
MFA, Edinburgh College of Art, 2010
MLA, UC Berkeley, 2000

BS, (Applied Earth Science), Stanford University, 1994
Registered Landscape Architect

Eischeid's current and near-term research focuses on a number of separate yet related fronts connected to the landscape architectural arts and humanities. One front follows on from the work of a number of scholars on modernist landscape architecture and aims to take a closer look at the work of the American landscape architect Dan Kiley (1912–2004). Another front studies the discourse of philosophical aesthetics as a methodological approach for interpretation. This work is one of the ways in which Eischeid is re-evaluating Kiley's work, and it has opened up a number of other nascent avenues for research, including an analysis of Edmund Burke's concept of the artificial infinite, critical interpretations of contemporary landscape architecture projects and a number of other studies related to the sublime, design, and art. As a licensed landscape architect (California) and a practicing artist, Eischeid's critical practice supports his humanities-based research by both reflecting upon and informing his work on the sublime and landscape generally through photography, printmaking, drawing, painting, sculpture, and installations. This work has been exhibited in solo and group exhibitions in the United Kingdom, Japan, Denmark, and Greenland and is included in public and private collections in the United States, United Kingdom, and the Netherlands.

CHRIS ENRIGHT

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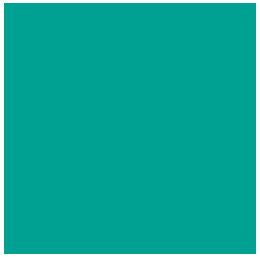
BLA, University of Oregon, 2003
BA, University of California Santa Barbara, 1984



Enright's dissertation research explores the potential for the Willamette Valley's agricultural landscape to provide ecosystem services as part of an intentionally co-evolving social and ecological system. Since 2002 Enright has worked with the UO's Institute for a Sustainable Environment as part of Dave Hulse's research group. She has co-taught the department's introductory GIS course since 2006 and contributed as a graduate teaching fellow to the planning studio, the introductory planning course and the plants course. Before coming to the university, Enright worked as a botanic garden curator and nursery manager.

MICHAEL GEFFEL

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MLA, University of Virginia, 2013
BS, Geography, University of Oregon, 2006
Registered Landscape Architect

Geffel is a registered landscape architect and urban designer, with professional experience working on public urban landscapes, landscapes on structure, green infrastructure, and regional planning. He has practiced in the Pacific Northwest, New England, the Mid-Atlantic and SE Asia on projects ranging in size from the street to the city. Prior to entering the field of landscape architecture Michael worked extensively in horticulture and landscape construction, which culminated in the founding of a design/build centered on restoration ecology and green infrastructure. He teaches design studios and seminars on field study, design detail, and landscape theory. His current design research is guided by one central question: how can landscape architecture engage landscape processes more directly? To investigate this, his research focuses on three areas of practice that provide critical opportunities for landscape architects—landscape operations and maintenance, tactical urbanism, and landscape infrastructure.

Michael's principal method of study uses field experiment to understand the generative capacity of maintenance—that is, how maintenance operations mediate and construct landscape and how they may be utilized as design instruments to engage territories outside the traditional scope of landscape architecture. His installations have been exhibited around the country and are published in various academic and online publications. Many field experiments take place in vague terrain, gauging the potential for tactical urbanism to build, test, and adapt designs through the everyday life of the site. These guerilla installations ask tough questions about the ownership of public space, seeking to increase design equity and a "right to the city." Geffel is currently partnering with VenetaWorks on a transitional landscape installation for Veneta's historic main street, which has been plagued by vacancy following the decline of the timber industry.

BART JOHNSON

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Ph.D, Ecology, University of Georgia, 1995
MLA, University of Georgia, 1992
BS, Cornell, 1987

Johnson's research reflects his lifelong passion for learning how to integrate people and their use of the land with native ecosystems and evolutionary processes. His core projects focus on biodiversity conservation and fire management in the context of climate change and urbanization. This includes landscape planning, simulation modeling, restoration experiments and assessments, prescribed fire, and historical vegetation reconstruction. The ecological context of these studies centers on Pacific Northwest oak savanna, upland prairie and wetland prairie, all imperiled ecosystems. Johnson also has ongoing research and practice centered on urban ecosystems, most recently as Steering Committee Chair for the UO's Sustainable Cities and Landscapes Hub. This work includes supporting ecological function and biodiversity in novel urban ecosystems, as well as the implications of the urban microbiome for human health.

Johnson's teaching is substantially aligned with his research to explore the integration of ecology into landscape design, planning, and management, with an emphasis on linking innovative design with rigorous research. In addition to landscape design and planning studios, he teaches required courses for landscape architecture majors including Principles of Applied Ecology, and Landscape Research II. Other recent courses include Climate Change Planning and Design, and two intensive field courses, Reading the Landscape of Wild Oregon and Fire as a Tool for Landscape Design and Management.

HARPER KEELER

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MLA, University of Oregon, 2011
BLA, University of Oregon, 1995

Keeler has been involved with the Urban Farm program since 1992. He began his teaching career as an adjunct instructor beginning in 2001 and has been directing the Urban Farm as a career instructor since 2008. In addition to running the farm, he serves on the Faculty Advisory Council of the UO's Food Studies program.

Keeler earned his MLA in 2011 centering on experimental, place-based education within the pedagogy of Landscape Architecture. He was central to the creation of the Food for Lane County Grass Roots Garden Program beginning in 1996 and has extensive experience working with Urban Farm-related programs throughout our local agararian community. As an active board officer with the Willamette Farm and Food Coalition, he has more than 10 years of experience in the local nonprofit sector, working on issues related to food production, education, access, and equity. His professional practice has been centered around the work he did while with the Eugene-based design-build firm, Daichi Landscape.

YEKANG KO

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Ph.D, Landscape Architecture & Environmental Planning, UC Berkeley, 2012
MA, Kyung Hee University, 2007
BS, Korea University, 2005

Ko's research focuses on urban energy planning, green infrastructure, and physical planning and design for climate change mitigation and adaptation. She teaches urban sustainability, energy landscapes, and landscape planning and analysis, with a geographic focus on the Asia-Pacific region. Her teaching and professional projects are heavily based on community engagement and advocacy, collaborating with governments, nonprofits, and professionals locally and internationally. Ko is currently directing the BLA program and the Sustainable Cities and Landscapes Hub of the Association of Pacific Rim Universities (APRU), a network of university thought leaders, researchers, and policymakers brought together to exchange ideas and find solutions to the most challenging problems of the century.

JUN HAK LEE

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Ph.D, Environmental Science, Policy, & Management, UC Berkeley, 2010
MS, Korea University, 2001
BS, Korea University, 1999

Lee's research focuses on assessing and measuring landscape performance by using GIS and remote sensing. His research interests include the use of spatially explicit 3D data to model carbon and water cycling in natural and built environments and the use of remote sensing technologies in ecological assessments and measurements of landscape performance. Lee teaches Environmental Data Visualization, 3D Mapping with LiDAR, Sensing the Environment (introduction to distributed environmental sensors), and Tools for Landscape Performance Assessment.

ROB RIBE

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Ph.D, University Wisconsin-Madison, 1990
MA, University of Wisconsin-Madison, 1987

MS, University of Wisconsin-Madison, 1981
BS, Unviersity of California-Riverside, 1977

Ribe focuses on landscape assessments that effectively address policy mandates and legal or administrative requirements. His research aims to produce evidence-based knowledge, methods and landscape analyses that defensibly impact policy decisions, administrative rules, legal cases, and best practices or standards for landscape planning. His projects often focus on the validity of information related to public perceptions, public participation in planning, and achievement of policy mandates.

He has contributed to the implementation and monitoring of the Northwest Forest Plan in Washington, Oregon and California; location and design of wind farms in Switzerland; design of timber harvests in Tasmania; conservation of scenic views in Portland, Oregon, and Vancouver, British Columbia; urban growth management plans around Portland; designs for a new city southeast of Portland; creation of a new national park in New Mexico; wildfire fuel reduction strategies for the Willamette Valley; scenic highways in California; and the location of high-voltage transmission lines.

He teaches landscape analysis classes and design or planning studios that emphasize procedural or evidence-based assessment of landscapes and design proposals. These classes often focus on designs that are responsive to institutional or policy contexts, such as land use plans or urban design agendas. He also teaches advanced theory, research methods, and occasional classes in planning, media, storm water, or construction technologies.

KORY RUSSEL

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Ph.D, Civil & Env. Engineering, Standford University, 2016
MS, Environmental Science, Taylor University, 2013

MES, Taylor University, 2005
BS, Environmental Biology, Taylor University, 2003

Russel's primary research focuses on planning, designing, and implementing sustainable water and sanitation (WASH) services in low- and middle-income countries. Additionally, he is the co-founder of the “re.source sanitation” research initiative originally funded by the Bill and Melinda Gates Foundation focused on extremely low-cost, sanitation services in dense informal settlements. Russel is the Chair of the Container-Based Sanitation (CBS) Alliance, which is a coalition of CBS practitioners around the world with extensive experience in developing and providing CBS services (cbsa.global).

In addition to sanitation research, he has conducted extensive research on the topic of the non-networked water supply in Mozambique, specifically studying the caloric energy women expend when collecting water. Other research topics include 1) water, energy, and resource recovery from waste streams; 2) sustainable delivery of water services in rural and urban settings; 3) development and analysis of entrepreneurial-based sanitation service delivery models; and 4) creation and use of green space to enhance communities while providing wastewater services.

BRAD STANGELAND

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BLA, University of Oregon, 1983

Stangeland operates an award-winning firm in Eugene that prides itself on working instructively with clients, architects, engineers, and planners to create landscapes that range in scale from residential to commercial to institutional. His experience on projects in both Israel and Mexico has served to broaden his depth of knowledge and ability to communicate and work successfully with a wide variety of professionals and a diverse set of personalities.

Website: http://www.stangelandlandscape.com

ROXI THOREN

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MLA, University of Virginia, 2013
MArch, University of Virginia
BA, Architecture, Wellesley College

Thoren's research focuses on the integration of productivity in landscape architectural design, including a series of research and design projects around agriculture, forestry, and power. She is currently completing a book manuscript Farmscape: The Design of Productive Landscapes (co-authored with Phoebe Lickwar), which examines the integration of agriculture and landscape architecture throughout history.

Her next project is Second Nature: Trees, Forests and Landscape Architecture, a book proposing a landscape architectural framework for integrating productive forests into landscape architectural design. Through a series of case studies, the book will explore the definition of a forest (as opposed to an urban canopy or any number of other “tree gardens”), how to design for the long time frames of forests, and how to incorporate forest management into design practice. Student engagement in this project could include archival research, field work recording the composition and structure of designed forests, GIS and other mapping, and creation of information visualization.

INTERIOR ARCHITECTURE

KYU HO AHN

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MFA, Interior Design, Iowa State University, 2002
BFA, Interior Design, Hong Ik University, 1992

The built environment has a profound impact on human performance and quality of life. Ahn's research focuses primarily on studying interactions between humans and the built environment and developing design assessment/application models that inform design decisions. His two major research areas are:

1. Investigating human-near environment interactions through a universal design platform that includes built-environments for individuals with Autism Spectrum Disorder. It looks at universal design issues of architectural environments from a diversity point of view. This research tries to identify design issues that promote independence of both abled and disabled individuals based on disability profiles. Recent work includes design development of "SOAR," an adult daycare center for people with autism in Chico, CA, and “Post Occupant Evaluation Study of Ed Roberts Campus in Berkeley, CA.”

2. Examining commercial design, particularly in retail environments, with a focus on behavioral response to environmental stimuli and their correlations. Ahn has developed a theoretical framework called the A2S Model that conceptualizes the typology of store stimuli and describes the relationships between store stimuli and shopping behavior within retail environments. This model offers a designer a systematic method that supports evidence-based design approaches while optimizing creativity for a better design solution to satisfy the business vitality of a store. One research project in this area is an empirical study, “Consumer Motivation, Arousal Quality of Lighting and its Relationship with Comfort in Determination of Shopping Experience and Behavioral Intentions in a Servicescape,” for empirical support of the theory.

ESTHER HAGENLOCHER

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MArch, The Bartlett, School of Architecture, University of London, UK 1998
Diplom Ingenieur Architecture and Design, State Academy of Art and Design, Stuttgart, Germany, 1994
Professional Certificate: Cabinet-Maker, Technical College Stuttgart, 1987
Registered Architect, Germany, 2002

Hagenlocher is an architect, scholar, and practitioner, studying the intersection of architecture and interior architecture, typically associated with issues of scale and generally understood to be largely a matter of material and detail. As a professional, she has designed primarily residential and exhibition spaces. As different as these spaces may seem, they have an important feature in common: They are often small in size, necessitating strategies to expand space.

Small spaces are important for a range of social issues. They are affordable to a wider range of incomes and they generally require fewer resources, using less material per person. They achieve a greater density for population using less land and they have the potential to cost less to build and maintain.

Current research speaks to the efficient use of space, with a focus on color and material studies—how to apply and how to teach it. Her research projects primarily focus on two topics: Color in the Basic Design and Aesthetic Education, and Color-reflectivity in the Context of Small Spaces.

SOLMAZ KIVE

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Ph.D, University of Colorado, 2018
MArch, II, McGill University, 2010
MArch & BArch, Shahid Beheshti University, 2005

Kive is interested in the political dimension of architecture. Her current research investigates the built environment as well as its representations and theories in relation to the practices of identity. She is particularly interested in two main venues through which the identities of the self and its “others” are constructed and reenacted—museums/exhibitions and architectural history. The nature of this research requires close interaction with other disciplines, such as art history, museum studies, cultural geography, and philosophy.

One current project is "The 'Global' of Architectural History," which explores surveys of architectural history. As early as the mid-nineteenth century some architecture historians attempted to extend the scope of their study beyond the primarily European styles and incorporate the rest of the world. The result, however, was rarely free from strong traces of Eurocentrism. In a well-known case, Banister Fletcher divided the world architecture between “historical” and “non-historical” styles. Needless to say, these categories were mapped on Western and non-Western traditions. This project primarily focuses on the general approaches and the systems of classification within a wide range of textbooks on architectural history. It involves close reading, discourse analyses, data gathering, and visualization.

Cory Olsen

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office Lawrence 476A

Masters of Interior Design, University of Texas, 2017
B.S. in Interior Desgin, University of Texas, 2008

Assistant Professor Cory Olsen mixes traditional modes of construction with digital fabrication techniques to create new forms and production methods for furniture and interior elements. Cory experiments with the meaning of craft and how digital processes and output can challenge our historic understanding of authorship, skill, and material knowledge. He leverages CAM methods in finished pieces as well as process jigs, celebrating the expression or suppression of individual manufacturing methods. Professor Olsen integrates design process, parametricism, and media with new methods of fabrication into his teaching in the Furniture Design Studio required technical courses and seminars.

LINDA ZIMMER

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MIARCh, University of Oregon, 1990
BIARCh, University of Kansas, 1982

In both her creative practice and research, Zimmer is interested in flexible spaces and furnishings and how people use, adjust, and change interiors over time. Most of her research focuses on commercial buildings such as modern office buildings and schools. In these she looks at applied theories of flexibility and compares actual patterns of use and change. In her creative practice, Zimmer designs, builds, and writes about flexible, fitted-out interior spaces and furnishings that accommodate and enable people. She employs both conventional and digital design and fabrication techniques and is energized by experimenting with new techniques and materials. Current research includes:

Secret Life of Buildings: This project examines how interior spaces in modern office buildings have changed over time. Using permit drawings from the City of Portland, she tracks changes to the floor-plans of various tenants in buildings over a lengthy time span. The Equitable Building by Pietro Belluschi is the first case study to date, and changes to the interior lease spaces show how building interiors have evolved over time in response to economic and organizational factors in office design.

Six-board chest: This project involves digital design and fabrication of prototypical storage elements that can be downloaded, customized, and manufactured locally by means of CNC technology and 3-D printing. Based on historic precedent, six-board chests (there are three designs thus far) are intended to reconnect people with simple elemental design in a new technological vernacular.

ARCHITECTURE

VIRGINIA CARTWRIGHT

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MArch, University of Oregon, 1981
AB, (Fine Arts), UC Berkeley, 1975

Research on Alvar Aalto's Daylighting:
"For the inhabitants of the northern latitudes, light is a precious gift. In a country of lakes, snow and ice, light is often reflected from below, or it may turn into an illuminated mist or glowing matter. Light is the most subtle of all media of artistic expression; light can communicate grief or bliss, melancholy or joy, nostalgia or ecstasy. Light mediates between matter and spirit." —Juhani Pallasmaa, Living in Finland

The architectural work of Alvar Aalto has achieved world renown for the luminous character of its spaces and forms. As the building type with the most demanding need for light, in various amounts and quality, the libraries designed by Aalto present us an opportunity to study the means that he employed to achieve their luminous character. These library designs represent a range in time from the early stages of his practice in 1927 to the years just before his death in 1976. As he matured as an architect, Aalto's designs for the libraries became more sophisticated and the lighting strategies that he employed evolved and expanded. Cartwright's research focuses on developing a technical understanding of the lighting devices that Aalto employed through digital and
physical modeling.

NANCY CHENG

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MArch, Harvard University, 1990
BA, cum laude (Arch & Mech Eng) Yale University, 1983

Cheng researches how new tools and approaches can shape our thinking and interactions: looking at how and why influence what results. She studies how integrating collaboration, analysis, and fabrication into conceptual design can improve decision-making and streamline workflows. Her recent work in lightweight structures explores the expressive potential of sculpted surfaces and researches how surface geometry can interact with sun, wind, and water. Cheng is interested in maximizing spatial quality with minimal materials and effort. She finds aesthetic possibilities in cutting, bending, and joining materials, then explores their creative opportunities through computation. She uses parametric software to generate formal variations, then tests the effectiveness in aspects such as structure, shading, and ventilation using digital simulation or physical testing. Research into the potential of surface geometries began with Shaping Light: a project to study how cut and folded surfaces can generate evocative light gradients, as in sun-shading screens, luminaire shades, and art installations. To maximize the cooling effect of screens, Cheng has worked on Breathing Skins, a project to study the effects of screen morphology on airflow. For this, she partnered with Melbourne colleagues lead by Jane Burry, assisted by the UO Energy Studies in Buildings Lab experts.

DON CORNER

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MArch, UC Berkeley, 1974
BA, Dartmouth College, 1970

Professor Donald Corner teaches design studios and building technology courses, including basic construction, structural analysis, systems of building enclosure, and green building technologies. His courses are offered on campus and in Europe. Opportunities for research engagement with Professor Corner include The Production of Housing, past projects for which have included the development of appropriate building technologies in developing economies, the replacement of housing lost in disaster, and the study of prefabrication strategies for context-responsive infill units. Present interests include high-performance residential envelopes, leading to the 2017 publication of Passive House Details, with Alison Kwok and Jan Fillinger. For the project Green Building Technology, students are invited to participate in an ongoing series of investigative seminars that serve as a point of entry into further research. Seminar topics include the high-performance façade, deep energy retrofit, and integrated façade design, systems of structure and green building in detail.

HOWARD DAVIS

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MArch, University of California, Berkeley, 1974
MS, Physics, Northwestern University, 1970
BS, Physics, The Cooper Union, 1968

Cities provide the settings for much of human experience, and Davis's research and teaching concern how the social and economic life of cities interact with design and buildings. His work has resulted so far in three books. The Production of Houses (co-authored) describes an experimental housing project in Mexico in which families took responsibility for the design and construction of their own houses. The Culture of Building is concerned with the history and present state of the social, economic, and professional frameworks of building production and how they affect the human quality of the built environment. Living Over the Store: Architecture and Local Urban Life is concerned with buildings that combine commercial and residential uses, emphasizing the adaptability of urban districts and buildings. Living Over the Store prompted new questions on the social and economic sustainability of cities, leading to new work on cities as sites of work and production. A new book in progress, Working Cities: Architecture, Place and Production, deals with the idea that Western cities may regain their role as places where goods are manufactured and food is processed, and that such a regenerative role may be supported through architectural design, planning, and policy.

Davis's work has been supported by research in various cities, including Portland, New York, and London; by research seminars; and by design studios that have emphasized the design of prototypical buildings that combine productive and residential uses. He is particularly interested in the grassroots production economy, and how people at the lower end of the economic ladder may enter the economy through the formation of small businesses focused on the production of goods and food.

MARK DONOFRIO

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MArch, (Structures Opt.), Univ. of Illinois, 2006
BA, (Arch Studies), Univ. of Illinois, 2004

Mark Donofrio is an architect, engineer, and associate professor of Structure + Architecture. He is responsible, along with Stephen Duff, for the core structures curriculum for both the BArch and MArch programs. He teaches core, intermediate, and advanced design studios, as well as advanced technical electives that examine the relationship between geometry, structure, architecture, and construction.

By capturing a more diverse series of design parameters and considerations, this work helps to foster material innovation and material-efficient design solutions. His work utilizes emergent computational methods and advanced manufacturing techniques to achieve sustainable design solutions that challenge preconceived typologies. Donofrio's current projects include: TMODUmobileHOME This design-research-build project explores the design and development of a modular mobile tiny home system. The system is developed to be easy to assemble by relatively unskilled labor, self-built, and easily transformable over time by the owners.The Resilient Shelters research project is focused on identifying ways in which modular buildings using cross laminated timber (CLT) panels can provide resilient and sustainable structures in environments with limited resources that face synthetic and natural threats.

STEPHEN DUFF

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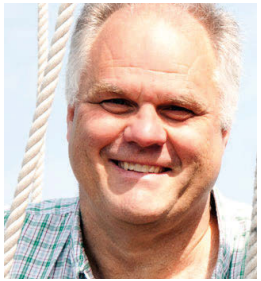
MS, Structural Eng, Mech & Materials, UC Berkeley, 1993
MArch, University of California, 1988
BA, Architecture, Univ. of Washington, 1985



Apart from windows, doors, and vertical conveyances, most buildings have few moving parts and are conceived and built as static artifacts. Driven by issues of sustainability and the desire for adaptive control of building environments, kinetic architecture has emerged as an exciting subdiscipline in design and construction communities. Duff is currently working on a publication of case studies of the kinetic architectural systems of arguably the most prominent design and fabrication firm engineering and building kinetics devices for buildings. Student research opportunities include: 3-D modeling and animation of existing kinetic systems and case study research and an on-going design project of a large traditionally rigged sail training ship and its associated research projects, which include development and definition of a viable internationally compliant regulatory regime; a computational fluid dynamics (CFD) campaign to study the relationship between variations in keel form and hydrodynamic behavior, CFD studies of sail plan, detailed modeling of the evolving general arrangement, and systems design and specification.

IHAB ELZEYADI

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Ph.D, Architecture, University of Wisconson-Milwaukee, 2001
MS, Architecture, Penn State University, 1996
BArch, Ain Shams University, Cairo, 1988

Prof Certificate in Project & Facility Management, American University in Cairo, 1990
Dipl Eng, Arch Eng, Ain Shams University, Cairo, 1990

Professor Ihab Elzeyadi's research and creative practice focus on design for indoor environmental quality in green buildings and its impact on occupants' health. He has provided consulting services for the design of a number of high performance and net-zero energy buildings including offices, K–12 schools, and hospitals. He is the founder and director of the High Performance Environments Laboratory (HiPE). HiPE is an Oregon BEST signature research laboratory with expertise and testing facilities for fundamental, applied research, and design assistance services. The lab's research explores the relationship between high-performance buildings design and their triple bottom-line impacts on people, planet, and productivity. Current research opportunities include lighting, architecture, and neuroscience (LANS). Researchers are collaborating with multiple research groups in physics, psychology, physiology, and neuroscience to investigate the relationship between different lighting and daylighting spectrums and their effects on human performance, stress, and stress recovery. This is achieved through a number of experiments utilizing run-rooms in the LISB building. Dynamic Façades Integrated Technologies (FIT): Assessment and Performance Evaluation of Active Envelopes and Dynamic Facades: Design and testing of various innovative façade technologies for daylighting, natural ventilation, and dynamic shading in commercial buildings.

MICHAEL FIFIELD

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MArch, UCLA, 1980
BA, (Architecture), UC Berkeley, 1973
BS (Physics) The Cooper Union, 1968

Fifield teaches architectural and housing design studios and courses on housing such as Housing Prototypes, Community Design, and Minimal Dwelling. His research interests focus on sustainable neighborhood design including issues of "smart growth" and small(er) unit design. He is especially interested in how we can develop meaningful neighborhoods at higher densities with smaller residential units that are integrated with appropriate open space.

Current applied research through the University includes "A New Residential Design Strategy," a set of principles and designs for new residential neighborhoods. His part-time professional practice concentrates on community and urban design consulting and small residential projects such as Accessory Dwelling Units (ADUs). Recent projects through Fifield Architecture + Urban Design have included City of Eugene ADU Alley Study, Portland Courtyard Housing Design Competition Administration, Housing Design Principles for Collaboration Corvallis, the Minimal Live/Work Studio in Eugene, and the design and development for a tiny house at Emerald Village Eugene, a development of small houses for the formerly homeless. He also consults with local architectural firms during the initial stages of residential projects.

MARK FRETZ

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MArch, University of Oregon, 2013
DDS, University of Missouri-Kansas City, 2003
BA, Bethel College, 1998

Fretz's research is focused on exploring and designing synergies that optimize human occupant health while reducing energy use in buildings. An important theme in his exploration is understanding how human migration from outdoor to indoor dwelling has affected evolutionary mechanisms connected with health and how architectural design can restore these evolutionary relationships.

As a former dentist in the Public Health Service, Fretz was interested in oral microbiomes and biofilms. The treatment of these films and stability of the microbial community could be the difference between health or the need for surgical incision and drainage. As a designer and researcher, he is interested in microbiomes in buildings, biofilms, and communities of bacteria because, like the oral microbiome, the stability of a diverse microbial community in buildings could influence pathogens and be the difference between health and disease, especially among vulnerable populations such as in daycares, nursing homes, and hospitals. Previous work by the Biology and the Built Environment (BioBE) Center has demonstrated an architectural influence on indoor microbial ecology, including ventilation, occupancy, and spatial adjacency. His work with the center builds on previous work to examine architectural influence of daylight, including indoor distribution and glazing spectral characteristics, on structuring indoor microbial communities to be more diverse and similar to outdoor communities.

GERRY GAST

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MArch, Urban Design, University of Illinois, 1969
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Licensed Architect, California

Gast is co-founder and principal of the California architecture and urban design firm Gast Hillmer Urban Design. The firm recently completed the urban design component of the award-winning (State of California American Planning Association Best Comprehensive Plan Award) Plan for the City of Redwood City in Silicon Valley. Previous projects include the Master Plan for the San Diego County Government Center on the Downtown San Diego waterfront, the award-winning "Uptown District" mixed use development in San Diego, and urban design studies for cities in California and the western states. Gast recently developed the Master Plan, architectural studies and design of the public spaces for the new Stryiskyi Park campus of the Ukrainian Catholic University (UCU) in Lviv, Ukraine. UCU is the first Catholic University on the territory of the former Soviet Union and serves as a beacon of independent education and research in Ukraine. Four major buildings have been completed and a fifth is currently in design. Since 2016 I have been involved in research and design with the Pies Descalzos Foundation of Colombia. The Foundation builds and participates in the operation of public schools in marginalized communities of Colombia. Current work focuses on new schools in Barranquilla and Cartagena, Colombia, and a design monograph "Schools in Colombia" to help guide the design of future schools in the country. Graduate students are currently working on the design studies and design monograph.

MARK GILLEM

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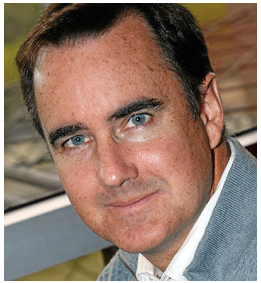
MArch, UC Berkeley, 1996
BArch, University of Kansas, 1989



Over 50% of global carbon emissions are largely the result of places designed and planned by architects, landscape architects, and planners. For designers interested in improving environmental, economic, and social sustainability, this challenge presents unique opportunities. By creating places that use less energy, produce less pollution, and cost less to maintain and operate, designers can be part of the solution. Gillem teaches courses and studios that focus on sustainability. He also serves as director of the Architecture PhD program and of the university's Urban Design Lab. The lab focuses on providing selected students with real-world design challenges so that they can learn how to put sustainability theory into actual practice at the urban scale. Students and faculty in the lab engage local stakeholders in participatory design processes that focus on service-learning opportunities in places large and small.Since 2010, Gillem has served as director of the International Association for the Study of Traditional Environments (IASTE). IASTE is an academic organization dedicated to the comparative and cross-cultural understanding of traditional dwellings and settlements as an expression of informal cultural conventions. He serves as the principal of an interdisciplinary design firm, The Urban Collaborative. His staff of architects, landscape architects, and planners focus on integrating principles of sustainability and resilience into all of their work. They design buildings, landscapes, and cities using unique collaborative processes. The Urban Collaborative provides unique paid internship opportunities for undergraduate and graduate students who frequently join the firm after graduation.

JAMES GIVENS

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MArch, University of Oregon 1989
BArch, University of Oregon 1985

Givens places great emphasis on a design process closely tied to the site and to the reality of the building as it is being built—a reality that evades the predetermination of detailed working drawings. As such, the design develops and changes as construction proceeds. At each step, he tries to do just that thing, that one thing, that will generate more life in what he is designing. Always it is connected to the direct experience of the place itself. Always, it is striving to allow a deeper way of being in the world. His work aspires toward the real, the authentic, toward rooms shaped to enduring purpose, that stand quietly at hand, tended by a deep sense of material beauty. His hope is that you find in them a part of yourself: a feeling or a memory, perhaps first awakened by the light on the surfaces of the room. A momentary recognition that precedes the person you will become there. Places that move us do so precisely because they attend to the small moments, make them visible, and then give them back to us in an unsentimental display of ourselves in their midst. Without fanfare, and with no prerequisite of style, these places hold us in the truth of a moment on the backbone of real materials set to task and configured in the sun. Without language, without special knowledge, or trick of technology, a receptive space of silence is opened inside of us. Stone and wall and ancient dust of light have hallowed the hopes and aspirations of a people not so very different from us, or from what we ourselves seek so many hundreds of years later. Regardless of the many other reasons why we enclose space, in the end, we build places so that they may become for us a deeper way of being in this world.

PETER KEYES

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MArch, Columbia University, 1983
AB, Fine Arts (architectural and urban history) Harvard University, 1978

Most of Keyes's professional practice and research revolves around the design of housing, at scales ranging from neighborhoods to construction details. His current projects include serving on the Steering Committee of Better Housing Together, a coalition of local civic organizations working to increase the supply, diversity, and affordability of the local housing market. Specifically, he is collaborating with university and other colleagues to assess the scale of the problem for different household types and income levels and to ascertain how infill "missing middle" housing can be part of the solution. His students are at work developing prototypes for a wide range of sites, scales and neighborhoods. Expanding the use of a systematic housing typology to include site parameters in low- to mid-rise multifamily housing. Other recent projects have included: The design of a net-zero house on the waterfront, in a historic district in Coupeville, on Whidbey Island, Washington, Design/build of a vernacular-influenced summer house in Coupeville, a long-term project on the documentation and classification of temporary barricades.

ALISON KWOK

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Ph.D, Architecture, UC Berkeley, 1997
MArch, UC Berkeley, 1990

MEd, (Secondary Education), University of Hawaii, 1980
BA, (Biology), Knox College, 1977

A sustainable future, for the design of buildings, lies in design integration—making key design decisions about energy use early in the process; encouraging designers to evaluate building performance through post-occupancy follow up; fostering discussion among educators, architects, engineers, and students about design technologies; and promoting a better and closer union between the fields of architecture and engineering. To fill much-needed gaps in architectural education, Kwok's publications include Mechanical and Electrical Equipment for Buildings, 12th ed. (with co-author Walter Grondzik), affectionately known as "MEEB," a preeminent teaching and practice reference for building environmental control systems. With co-instructors for the Environmental Control Systems class, they publish case study books of building performance studies conducted by award-winning graduate and undergraduate students. Kwok's research areas include adaptive and mitigation strategies for climate change, thermal comfort, natural ventilation in tropical schools, building performance post-occupancy evaluation, zero net energy strategies, building energy metrics, and collaborative practices. Kwok's current research is examining embodied carbon in cross-laminated timber (CLT) with a grant from the TallWood Design Institute. She has guided projects with the Northwest Energy Efficiency Alliance, US Green Building Council (USGBC), Passive House Institute US, American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE), American Institute of Architects (AIA) and was principal investigator for the Agents of Change project, funded by the U.S. Department of Education Fund for the Improvement of Post-Secondary Education (FIPSE). Kwok was named an AIA Fellow in 2019.

NICO LARCO

PROFESSOR | DEPARTMENT OF ARCHITECTURE | DIRECTOR OF URBANISM NEXT CENTER |
CO-DIRECTOR, SUSTAINABLE CITIES INITIATIVE

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MArch & MCPUD, UC Berkeley, 2001
BArch, Cornell University,1996
BA, Cognitive Psychology, Cornell University, 1996

Larco's research focuses on sustainable urban design and on an area called Urbanism Next that explores the effects of emerging technologies on cities. With sustainable urban design, Larco is working on research that catalogs and relates the disparate elements that make up sustainable strategies in urban design. This work organized the broad range of work that fits under urban design (physical design, land use, transportation, ecology, 'guiding' architectural design, water systems, watershed management, parking policy/design, etc.) and defines how these elements relate to each other, potential synergies, and best practices for each area. Urbanism Next is a research initiative of the Sustainable Cities Initiative (SCI), which Larco co-founded and co-directs, focused on how autonomous vehicles, e-commerce, and the sharing economy are affecting city form, design, and development. In this multidisciplinary work, Larco and his colleagues are not looking at technologies themselves but are interested in their secondary impacts on land use, street design, neighborhood design, equity, environmental concerns, pressures on sprawl, etc. This initiative incorporates a national network of partners in the public, private, and academic sectors and spans experts in urban design, architecture, planning, landscape architecture, public administration, law, business, and journalism. Learn more about this at urbanismnext.com. SCI is focused on research, education, training, and policy work on issues relating to sustainability and the built environment and has several research endeavors that would be of interest to students in any of the design fields.

JOHN LEAHY

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MArch, Southern California Institute of Architecture, 2006
BS Mechanical Engineering, University of Virginia, 1997

Leahy manages the fabrication lab in the White Stag Block at the UO's campus in Portland. His academic interests pursue the limitations that tools and techniques pose to designers with development and representation. He previously worked as director of the model shop at Rios Clementi Hale Studios, as a designer with Studio Works: Robert Mangurian and Mary-Ann Ray, and as an engineer with McDonough Braungart Design Chemistry. He is now pursuing his own studio practice in art and design. Leahy has exhibited avant-garde architectural proposals with Perry Kulper at the Prague Architectural Biennale and Hernan Diaz-Alonso at the Venice Biennale. Presently his design research examines computational methods, material resourcefulness, and mechanical signatures in digital processes. His art addresses the fragility of spatial awareness.

ERIN MOORE

ASSOCIATE PROFESSOR | DEPARTMENT OF ARCHITECTURE | HEAD, SCHOOL OF ARCHITECTURE AND ENVIRONMENT

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MArch, UC Berkeley, 2003
BA, Smith, 1996
Registered Architect: Oregon and Arizona

Moore works in teaching, research, and creative practice on the life cycle environmental context of building construction and on the ways that buildings shape and reflect cultural constructions of nature. She uses her architecture practice FLOAT Architectural Research and Design as a testing ground for designing with explicit intentions for the ecological context of buildings. Recent work explores the architectural space of fossil fuel consumption, biogenic carbon sequestration, and climate change including the studio course Lines: Lines, Pipelines, and the Contested Space of Fossil Fuel Transport in the Pacific Northwest, the paper "Geologic Time is No Longer Slow Time," and the installation "OUR: Collective Future Project" for the Dhillon Marty Foundation under the aegis of UNESCO's Management of Social Transformations (MOST) programme (2017). Moore was an invited contributor to the art and architecture section of the United Nations Experts' Report on Harmony with Nature (2016). In the face of serious global challenges, Moore believes that it is especially important to develop aggressive, creative innovators who can connect the power of design with good science and rigorous ethical thinking. In her own teaching, Moore works to bring together processes of design and innovation with the science of sustainability in collaborations with chemists, ecologists, and biologists. Her class Molecular Innovation in Material Lifecycles (2013) was a collaboration with chemist Julie Haack. Her class Ecology of Building Materials: Wood (2015) was a collaboration with wood scientist Suzana Radivojevic. Moore has developed a natural history-based introductory design curriculum for the graduate studios, teaches in the terminal (or integrated design) studio sequence on topics related to ecology and global climate change, and teaches the large lecture course Introduction to Building Construction with a focus on connecting material ecology with human experience.

HAJO NEIS

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MCP, City Planning, UC Berkeley, 1980
MArch, UC Berkeley, 1979
Dipl Ing. Architekt, THD, Darmstadt, Germany, 1976

Most of Neis's current research, creative work, or design research is connected in one way or another to three focused organizations and his own firm—the Portland Urban Architecture Research Laboratory (PUARL); the Center for Environmental Structure (CES); the Collaborative for Inclusive Urbanism (CIU, inclusiveurbanism.org); and HNA. The main purpose of PUARL is to conduct and promote activities in urban architecture and urban design research that help to improve the quality of buildings and the city. The focus is on integrating wholeness and sustainability into the architectural and urban design process by conducting basic and applied research throughout the Portland region and other parts of the nation and the world, using pattern languages, urban morphologies, building typologies, and generative processes for civic groups, public agencies, professional firms, and progressive development interest.

Neis has practiced architecture and planning in Frankfurt, Tokyo, Berkeley, and Borken (Germany). His design and oversight of the Eishin Campus, completed with the Center for Environmental Structures in Japan, received honors from the Japan Institute for Architects, the Japanese Association of Architectural Journalism, and the Prefecture of Saitama, and served as the subject of a documentary film.

SIOBHAN ROCKCASTLE

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Ph.D, (Architecture & Sciences of the City), EPFL, 2017
SMArchS (Building Technology), MIT, 2011
BArch, Cornell University, 2008

Rockcastle is a co-founder of OCULIGHT dynamics, a Swiss company offering daylight design support through custom simulation-based tools. Her research and professional work explore topics at the intersection of architectural design, human perception, environmental dynamics, and building performance with a focus on occupant well-being. Rockcastle's current research uses virtual reality to map human responses to light and composition in immersive architectural environments. Her applied work offers new simulation workflows for the multicriteria evaluation of light for human perception, comfort, and health. Before coming to Oregon, she taught design and seminar courses in environmental systems at Cornell University, Northeastern, MIT, and EPFL. Her professional work experience includes KVA matX, Snøhetta, MSR, Epiphyte lab, and Gensler. As a continuation of her thesis at MIT, Rockcastle's PhD dissertation used experiments to measure the impacts of daylight and spatial composition on perceptual responses to architecture and proposed simulation-based algorithms to predict these responses under varied climatic conditions. Her current research topics include: impacts of climate on perception, emotion, and comfort in architecture; use of virtual reality to study subjective, behavioral, and physiological responses to space; impacts of light exposure on human health; and the study of human behavior through wearables that track exposures to environmental conditions.

JOHN ROWELL

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MArch, University of Oregon, 1990
BS, Mathematics, University of British Columbia, 1984

Rowell's research interests are closely connected to his active professional practice, which seeks to apply consistent principles to a wide range of project types. Specific areas of interest include: planning and design processes that deeply engage owners and users in decision-making; environments for people with disabilities and developmental disabilities that promote quality of life, independence and community integration; environments for early childhood development; livability in contemporary multifamily housing; and higher performance outcomes from conventional and specifically wood-frame building systems in the Pacific Northwest.

JUDITH SHEINE

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MArch, Princeton University, 1979
AB, Mathematics, Brown University, 1975

Sheine's research is focused on the relationships of design and technology. As Director of Design for the TallWood Design Institute, a collaboration between UO's College of Design and Oregon State University's Colleges of Forestry and Engineering, Sheine has been working with civic organizations, manufacturers, design professionals, faculty, and students to develop and demonstrate new uses of mass timber in buildings, as well as to eliminate barriers to adoption of new advanced engineered timber structural systems. Projects include the Springfield Parking Garage and the Lane County Courthouse, both with Associate Professor Mark Donofrio, and the UO Hayward Field West Grandstands expansion; these were interdisciplinary studios collaborating with Cal Poly Pomona Civil Engineering Professor Mikhail Gershfeld and his students. Sheine is also focused on analysis of the work of Southern California modern architects in publications and exhibits. She has published and lectured extensively on the work of architect R.M. Schindler. Publications include R.M. Schindler (Phaidon Press, 2001), and, most recently, Schindler, Kings Road, and Southern California Modernism (University of California Press, 2012), co-authored with Robert Sweeney. She has had her own architectural practice. The Sarli house in Juniper Hills, CA (1988–93) was recognized as an Architectural Record Record House in 1995 and was published internationally. More recently, with architect Norman Millar, she designed the Ramirez house in Sea Ranch, CA (2004–12), which was included in Sea Ranch (Princeton Architectural Press, 2013) and in the July/August 2014 issue of Dwell. Sheine also worked on housing and community service projects, and in the 1990s won several competition prizes and was an invited participant in two funded exhibitions at the Municipal Art Gallery in Los Angeles.

PHILIP SPERANZA

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MArch, Columbia University, GSAPP, 2002
BS, Architecture, University of Virginia, 1997

Speranza's research focuses on new ways of understanding time-based social and ecological phenomena at the granular scale of human-scaled space. He works with new digital design processes to understand the urban environment and better engage public participation to inform urban and architectural design. This research links rapid advances in mobile location technology with Arduino sensor platforms and Grasshopper parametric visualization software to make the collection of extremely fine-grained environmental data accessible as an integrated design process for architects. With this in mind, Speranza has been testing the use of parametric GIS-based remote sensing devices to produce human-scaled site analyses at two contrasting design scales: 1. the single-dwelling rural lot, and 2. the metropolitan superblock. Research collaborators include experts in air pollution, social science, urban psychology, landscape architecture, interaction design, and robotics. He has worked with Steven Holl, 1100 Architects and LTL in New York, Carlos Ferrater in Barcelona, and public artist Janet Echelman. If interested in any of these subjects, please email him.

I. Detailed evaluation of existing environments with a view to improving them (analyses of urban spaces and new building site analyses)

II. Evaluation of newly designed environments, during the process of design, during construction, and after completion

III. Interactive built environments that respond to human and environmental variables and convey information in ways that engage their occupants

Academic Research Methods: Urban Ecology, Urban Design, Architecture, Data Visualization, Dataset Acquisition, On-site Geospatial Data Creation, GIS, Arduino Sensor Prototyping; Remote Sensing in Air, Light, Temperature, Moisture, Sound, Rhino Grasshopper Parametric Computation, Maya Animations

ROB THALLON

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MArch, University of Oregon, 1973
BA, Zoology, UC Berkeley, 1966

For more than 40 years, Thallon's professional practice has focused on housing that is beautiful, supportive of human activities, efficient, environmentally responsible, and integrated with local climate and site conditions. In this work, he has appreciated the effect that the sensitive use of materials can and should have on the quality of design. He has written several books based on his professional experience and drawing on the understanding gleaned from having built many houses with his own hands.

Thallon's current research expands upon these themes by bringing them to the academic setting. The Department of Architecture's OregonBILDS program, which Thallon directs, has a long and rich history of offering practical building opportunities for students. In the related class, students design and then construct houses that are affordable, beautiful, energy-efficient, and made with local common materials. Three houses have been constructed, and the fourth is in progress.

JIM TICE

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MArch, Urban Design, Cornell University, 1970
BArch, Cornell University, 1968

As an architect Tice continues to explore design ideas and processes through built and unbuilt projects and competitions. Those involving housing design have won awards both in the US and internationally. His research work investigates topics in architectural and urban history and theory in both modern and historic contexts. Research topics he has pursued in the past include the work of Frank Lloyd Wright, which resulted in Frank Lloyd Wright Between Principle and Form (1992) with P. Laseau, and housing design, published as Courtyard Housing in Los Angeles with R. Sherwood and S. Polyzoides (1992). His current research continues to be collaborative and interdisciplinary, working with scholars at Stanford University, Dartmouth College, and Studium Urbis in Rome. Recent research focuses on the idea of "micro-urbanism" or the interface between architecture and urban design, a project that began during his graduate studies at Cornell with Colin Rowe. This topic has centered on the cartographic and related documents of Rome. Results include "The Interactive Nolli Map Website" and "Imago Urbis: Giuseppe Vasi's Grand Tour of Rome". Tice's work currently investigates the 1901 archeological map of Rome by Rodolfo Lanciani showing that city as a series of layers from antiquity to the present.

KEVIN VAN DEN WYMELENBERG

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MArch, University of Washington, 2002
BS, Architectural Studies, University of Wisconsin-Milwaukee, 2000

Van Den Wymelenberg is an associate professor at the UO. He is the director of the Energy Studies in Buildings Laboratory (ESBL) and co-director of the Biology and the Built Environment Center (BioBE) in Eugene and Portland. Since 2000, he has consulted on more than 400 new construction and major renovation projects with architects and engineers regarding building performance. Five of these projects have been recognized with AIA's Committee on the Environment Top 10 Awards and many others are LEED certified. Van Den Wymelenberg has completed more than $10.7M in funded research and outreach in energy and indoor environmental quality for the Northwest Energy Efficiency Alliance (NEEA), US Environmental Protection Agency, Alfred P. Sloan Foundation, Idaho Power Company, Avista Utilities, New Buildings Institute, and others. His work with the BioBE Center is aimed at understanding and manipulating microbial communities to support improved human health indoors. He is the chair of the IENSA's Daylight Metrics Committee and co-author on IES document LM-83 that serves as partial basis for the LEED V4 Daylighting Credit. His current research includes: Integrated Design for Existing Buildings Renewal and New Construction, NEEA; Manual Blind Use Baseline Behavior Definition for AERC/IES-DMC, NEEA; BioBE Center (Microbiology of the Built Environment), The Alfred P. Sloan Foundation; Oregon Energy Code Comparisons, Oregon Building Codes Division; UO Knight Campus for Accelerating Scientific Impact, BORA/Ennead/UO; Net-Zero Energy TallWood Design (Using Cross-Laminated Timber), USDA/OS; TallWood Buildings and Indoor Environmental Quality, USDA/OS.

DAISY-O' LICE WILLIAMS

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MArch, Florida A&M University, 2005
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Williams studies the methods designers use to make sense of the world around them and the media they select to shape their interventions. She believes that as designers visualize and document places—both real and imagined—they must accept that no image is ever transparent or neutral. In this way, representational devices (techniques for drawing, modeling, mapping, etc.) act as cognitive templates for organizing thinking and knowledge. These mediated processes also filter information about the built environment, society, and human behavior. An additional motivation for her research is to promote diverse narratives within the profession. Her current research inlcudes: HBCU Education and Diversity Awareness. Recent collaborations with colleagues at Florida A&M University have focused on HBCU programs of architecture as critical sites of study by considering their origins and questioning their influence on increasing diversity awareness. Their inquiry into diversity awareness and observations on distance learning strategies was published in 2014 as a chapter entitled “Race and Gender in Architectural Education: A Distance Learning Perspective” in the book Spaces Unveiled: Invisible Cultures in the Design Studio, edited by Carla Jackson-Bell. In addition to investigating methods for creating visibility of minorities within architectural education, she has continued research into the practice of architect Paul Revere Williams, FAIA—the first African-American member of the American Institute of Architects, and one of California’s most prolific architects. Despite his legacy, sparse peer-reviewed publications offering scholarly critique of his work exist. Williams developed a web-based interactive data visualization tool called the PRW Career Mapper to project the trajectory of his career. Learn more at prw.uoregon.edu.

JENNY YOUNG

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MArch, UC Berkeley, 1974
BA, (Urban Studies), Vassar College,1970

Young's book, Making Places for People, (Routledge, 2017) coauthored with Christie Johnson Coffin, explores social questions in design. The book reveals deeper complexities in addressing basic questions that should be asked for every project, such as: What is the story of this place? What logic orders it? How big is it? How sustainable is it? Providing an overview of a growing body of knowledge about people and places, the book aims to stimulate curiosity and further discussion. Coffin and Young argue that critical understanding of the relationships between people and their built environments can inspire designs that better contribute to health, human performance, and social equity—bringing meaning and delight to people's lives. Young continues to research projects with these values at their core.

Another focus of her research is to investigate how architecture shapes the identity of small towns and impacts their social and economic vitality. Awarded a Research Innovation Award on the theme of Community and Society—Research Connections, she continues to connect architectural research, creative practice, and community needs. Understanding the physical form and social fabric of towns sets a context of making good decisions about building new schools, clinics, and libraries, that can sustain community life. Young studies towns in rural Oregon, coastal new England, and the Marche and Veneto regions of Italy, interested in their spatial character as they have developed over time and how urban design and architecture can increase their quality as places to live and work. Honing in on the role of public space in towns, Young is working on a comparative study of the Italian piazza in historic and contemporary incarnations with a comprehensive model that analyzes form, building fabric and containment, and use. As a practicing architect, she works on residential projects in historic contexts and consults on community projects in rural towns.

The Design for Spatial Justice Initiative recruits emerging and distinguished design scholars who will engage communities within and outside of the institution in their research and teaching, and whose scholarship at the intersections of gender, race, ethnicity, indigeneity, sexuality, and economic inequality is enriched by their lived experience. Spatial Justice Fellows will teach innovative design studios, subject area courses, and seminar courses at the University of Oregon, with faculty spanning all four programs in architecture, interior architecture, landscape architecture, and historic preservation.

2019-2020

SPATIAL JUSTICE FELLOWS

Menna Agha

DEPARTMENT OF ARCHITECTURE

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Ph.D, Architecture, University of Antwerp, 2019
Masters in Intergrated Design, Cologne Technical University, 2011
BSc, Architrecture Engineering, October 6 University, 2009

The main focus of her research lies in the intersection of spatial production and social justice, especially the spatial issues and gendered relations within the context of displacement. Throughout her research, Agha investigates concepts of public space, the emotional in the built environment, and territoriality of the landless. She focuses on the idea of "Active Marginality", and is occupied with questions such as; how to build for, from, like, and within the "margin"? Agha believes that the critical issue of "marginality" should be prominent in architecture studios, not only in academic research.

Priyanka Bista

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Priyanka Bista is a Nepali-Canadian architect, and designer working at the intersection of public interest design and biodiversity conservation. She's the Co-Founder and Design Director of KTK-BELT studio working collaboratively with local communities to create the "Vertical University" project in Eastern Nepal spanning an 8,000-meter vertical gradient from Koshi-Tappu Wildlife Reserve (67 m.) to Mount Kanchenjunga (8,586 m.), the third tallest peak in the world.

She has previously held the position of Senior Architect and Planner at Collaborative Media Advocacy Platform (CMAP), Nigeria, where she worked on the "Human City Project" employing participatory mapping, planning and design techniques in informal settlements of Port Harcourt. Over the last six years,
she has been working closely with marginalized youth from urban informal settlements to rural villages to build their technical and design capacity to contribute towards inclusive and sustainable development of their communities.
Her work has won numerous awards including the What Design Can Do Climate Action Challenge, the Energy Globe Award, the SEED Public Interest Design Award, UIAA Mountain Protection Award, and Holcim Award for Sustainable Construction.

Karen Kubey

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Karen Kubey is an urbanist specializing in housing and health. Her design advocacy has contributed to more socially equitable neighborhoods in New York and beyond. She is the editor of the book Housing as Intervention: Architecture towards Social Equity (Architectural Design, 2018) and served as the first executive director of the Institute for Public Architecture. Kubey co-founded the New York chapter of Architecture for Humanity (now Open Architecture/New York) and co-founded and led the New Housing New York design competition. She currently working toward the publication of Good Neighbors II, a book that updates and expands the 1997 comprehensive guide to affordable housing design in the US.

Kubey has recently led a series of projects that address social equity through design, in partnership with New York City agencies. Among these, she helped produce Mental Health by Design, a pilot program that transformed disused high-school classrooms into spaces designed to promote mental health, and edited the award-winning New York City Aging in Place Guide for Building Owners.

Zannah Mae Matson

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Zannah Mae Matson's research and design work focuses on the histories and contemporary reinterpretations of landscapes throughout processes of colonization, violence, and state infrastructure projects. Her current project focuses on a highway development project in Colombia's eastern piedmont region in an investigation that brings together questions of landscape visuality, infrastructural promise, state-sponsored colonization, haunting violence, and extractivist economic motivations.

Across her research, Matson aims to bring the critical scholarly tradition of human geography together with the deeply spatial approach of design research in order to address the ongoing operation of coloniality, violence, and racial discrimination. Matson is a PhD Candidate in Human Geography at the University of Toronto and holds a Masters of Landscape Architecture from the Harvard Graduate School of Design. Guided by critical geographic theory, she brings together these disciplinary approaches to emphasize the power of visual and spatial production as a practice that can fundamentally challenge narratives of landscape modernity and developmental progress. She has published her work in The Funambulist, Site Magazine, and Society & Space Online, among others, and has exhibited her creative outputs in numerous venues.

Cory Parker

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Ph.D, Geography, University of California, Davis, 2019
MLA, University of Washington, 1998
BLA, University of California, Davis, 1993

Cory Parker is a landscape architect and scholar working at the intersection of poverty, movement and landscape. His research examines transportation exclusion in public space and has been funded by the University Transportation Center, the Social Science Research Council and the Blum Center of Poverty. This research informs teaching in the design of dynamic places, focusing on analysis, social interactions, mobility and cultural diversity.

Parker recently completed a PhD on the geography of homeless movement in California cities. His work assessed homeless modes of transportation through an innovative, mobile ethnography, walking, biking and riding the bus to engage with people experiencing homelessness and their conceptions of daily movement. Through a series of journal articles, he proposed planning for a more interactive accessibility to urban movement and incorporating spaces of informality in a partitioned world.

Craig L. Wilkins

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Ph.D, University of Minnesota
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A leading scholar of African Americans in the field of architecture, his books, essays, articles, and public talks explore the rich social, cultural, political, historical and aesthetic contributions of oft-ignored practitioners of color. His essays have been published in the Journal of Architectural Education, International Review of African American Art, Art South Africa, Volume, Minneapolis Star Tribune and Detroit News among others. A recipient of a 2008 Association of Collegiate Schools of Architecture's Collaborative Practice Award, a 2010 Kresge Fellow, and winner of the 2015 "Dear Architecture" International Ideas Competition, Dr. Wilkins is also the author of multi-award winning "The Aesthetics of Equity: Notes on Race, Space, Architecture & Music" (University of Minnesota 2007) as well as "Ruffneck Constructivist" (Dancing Foxes Press/ICA 2014) , "Diversity Among Architects: From Margin to Center" (Routledge 2016) and co-editor of "Activist Architecture: A Field Guide to Community-Based Practice" (DCDC Publications 2015).

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