

Oregon BEST Built Environment Member Faculty represent over 75 research programs in all aspects of green building and sustainable communities.



Achterman, Gail	OSU	Instit. for Nat. Resources	State and national natural resource and environmental policy-making; sustainable infrastructure
Allen, Jennifer	PSU	Ctr. for Sust. Proc. & Practices	Sustainable agriculture, green building, and sustainable economic development
Ashford, Scott	OSU	Civil & Const'n. Eng.	Sustainable const'n. materials & methods
Bertini, Robert L.	PSU	Civil & Envir. Eng.	Transportation systems as an integral component of the built environment
Brown, Darrell	PSU	Business Admin.	Metrics and measures for evaluating green building and clean energy
Brown, G.Z.	UO	Architecture	Sustainable green building design
Cartwright, Virginia	UO	Architecture	Site issues related to lighting to reduce environmental impacts of buildings
Caughy, Carol	OSU	Design & Human Envir.	Energy efficient lighting and construction for residential and commercial buildings
Cox, Daniel	OSU	Civil and Const'n. Eng.	Sustainability of coastal infrast. & ecosystems w/rising sea levels and increasing storm activity
Dill, Jennifer	PSU	Urban Studies & Planning	Relationships between land use, transportation, and physical activity
Drost, Kevin	OSU	Mech., Indust., & Manuf. Eng.	Microchannel processing for solar fuels, biofuels, and energy efficiency
Dusicka, Peter	PSU	Civil & Envir. Eng.	Green building construction materials/methods and structural safety
Elzeyadi, Ithab	UO	Architecture	Indoor envir. qual. in green bldgs; active envelopes & integrated green tech's.; green schools design & eval.
Gambatese, John	OSU	Civil & Const'n. Eng.	Sustainability of civil infrastructure, especially lifecycle of facilities and const'n. process
Genasci, Donald	UO	Architecture	Economics of green, small-footprint, high-density buildings that fit existing neighborhoods
Griffin, Corey	PSU	Architecture	Relat. between bldg. structure & sustainability, from longevity & reuse to performance of structural materials
Gupta, Rakesh	OSU	Wood Sci. & Eng.	Green building material performance, structural design, material properties
Harris, Kevin	OSU	Chem., Bio., Envir. Eng.	Green building materials; energy systems & efficiency
Higgins, Christopher	OSU	Civil & Const'n. Eng.	Structural testing, green building materials and design
Howard-Grenville, Jennifer	UO	Lundquist College of Business	Organizational and behavioral changes that enable green technologies, including green building and distributed clean energy
Hunter-Zaworski, Katharine	OSU	Civil & Const'n. Eng.	Sustainable and accessible (visitability) building design
Hutchison, Jim	UO	Chemistry	Green chemistry applied to new materials and nanomaterials for sustainability applications
Ideker, Jason H.	OSU	Civil & Const'n. Eng.	Concrete durability and high-performance civil engineering materials; calcium aluminate cements
Kamke, Fred	OSU	Wood Sci. & Eng.	Wood-based composite mat'ls. in green bldg. applications
Kline, Jeff	UO	Architecture	Design and use of buildings to be more energy efficient
Knowles, Chris	OSU	Wood Sci. & Eng.	Sustainable wood-based structural materials and development of markets for local materials
Kwok, Alison	UO	Architecture	Case studies of building performance and design process, natural ventilation, and thermal comfort
Lambrinos, John	OSU	Horticulture	Sustainable landscaping & plant-based infrast. design
Larco, Nico	UO	Architecture	Medium to high density suburban development and mobility; sustainable suburban design
Leavengood, Scott	OSU	Wood Sci. & Eng.	Green building and biomass utilization
Li, Kaichang	OSU	Wood Sci. & Eng.	Green bldg. mat'ls. and processes (formaldehyde-free adhesives, wood-plastic composites, etc.)
Liu, Hong	OSU	Biological and Ecological Eng.	Anaerobic biotech's. to generate energy from biomass, biowaste & wastewater while treating wastewater
Long, James	OIT	Computer Sys. Eng. Tech.	Info. infrastructure; potential for buildings outfitted w/thousands of sensors to monitor performance
Lutzenhiser, Loren	PSU	Urban Studies & Planning	Social & behavioral factors in building design, occupancy, energy use, efficiency choice, policy
Malkewitz, Keven	OSU	College of Business	The influence of green building and distributed clean energy on buyer and consumer behavior
Margerum, Rich	UO	Planning, Public Policy & Mgmt.	Collaborative governance, inter-jurisdictional coord., community & stakeholder participation
Martin, Sheila	PSU	Instit. of Portland Metro. Studies	Sustainable food systems; urban planning and land use for economic development and sustainability
Miller, Thomas	OSU	Civil & Const'n. Eng.	Structural eng. and design as applied to green buildings
Moore, Erin	UO	Architecture	Relative permanence and lifespans of buildings
Morrell, Jeff	OSU	Wood Sci. & Eng.	Durability of green bldg. mat'ls.; microorg's. to obtain compounds from woody biomass
Muller, Brook	UO	Architecture	Ecological concerns as part of development process
Muszynski, Lech	OSU	Wood Sci. & Eng.	Wood-plastic and wood-composites
Nason, Jeffrey	OSU	Chem., Bio., and Envir. Eng.	Sustainable solutions for management and treatment of water, wastewater, and stormwater
Penhallegon, Ross	OSU	Horticulture / Extension	Green gardening and landscape sustainability methods and training
Phillips, Maureen	OIT	Communication Studies	Development of critical thinkers and writers who research green building and clean energy
Plant, Thomas	OSU	Elect. Eng. & Comp. Sci.	Optical sensing techniques to monitor building energy use
Recktenwald, Gerald	PSU	Mechanical and Materials Eng.	Heat transfer & fluid mechanics that affect energy efficiency in buildings & components
Ribe, Robert	UO	Inst. for Sust. Env.	Linkages betw. land use policy/planning & urban design
Riley, Charles (C.J.)	OIT	Civil Eng.	Green building, energy efficiency, and renewables; use of fly ash in const'n. materials; bamboo properties
Rocheftort, Skip	OSU	Chem., Bio., and Envir. Eng.	The use of recycled plastics for green bldg. applications & K-20 sustainable eng. education & outreach
Rodriguez-Nikl, Tona	OSU	Civil & Const'n. Eng.	Full-scale structural testing of green const'n. materials for adoption in large projects
Rogers, Robert	OSU	Ren. En. Ctr. & Mech. Eng.	Building mechanical systems and renewable energy applications
Rosenstiel, Todd	PSU	Biology	Green roofs, value-added biol. design; biomass prod'n.
Sailor, David	PSU	Mechanical and Materials Eng.	Building energy modeling and measurement, and implications for urban climates
Schlossberg, Marc	UO	Planning, Public Pol. & Mgmt.	Sustainable city design, non-auto modes of transportation, and social change
Scholz, Todd	OSU	Civil & Const'n. Eng.	Sustainable road construction, maintenance, preservation, and rehabilitation
Selker, John	OSU	Biological and Ecological Eng.	Monitoring of built and natural environments with wireless and fiber optics sensor systems
Shandas, Vivek	PSU	Urban Studies & Planning	Relationship betw. built envir. & surrounding social and envir. conditions, with focus on water & climate change
Sillars, David	OSU	Civil & Const'n. Eng.	Sustainable methods and materials for infrastructure and building construction
Simonsen, John	OSU	Wood Sci. & Eng.	Durability testing; cellulose nanocrystals for composites (wood, polymer) toward superior building materials
Spolek, Graig	PSU	Mechanical and Materials Eng.	Perf. eval'n. of energy efficiency measures in green bldgs. (greenroofs) & industrial processes (drying)
Thaemert, David	OIT	Civil Eng.	Effective use of stormwater resources & the interface of infras. w/nat. stream environments
Theodoropoulos, Christine	UO	Architecture	Methods of collaboration used between architectural and engineering designers in the green building design process; green building design and technology education
Thoren, Roxi	UO	Landscape Architecture	Integration of bldgs. & landscapes in community design, especially landscape systems as urban infrast.
Veltri, Anthony	OSU	Public Health	Cost modeling of green building designs
Vignola, Frank	UO	Physics	Solar resource monitoring & modeling; photovoltaic system siting, analysis, testing
Wagle, Kate	UO	School of Arch. & Allied Arts	Sustainability issues related to art and architecture
Walker, Stel	OSU	Mech., Indust., & Manuf. Eng.	Wind energy R&D; micro wind turbines for buildings
Wamser, Carl	PSU	Chemistry	Basic research on new solar cells; PV & green roofs
Wang, Hailei	OSU	Mech., Indust., & Manuf. Eng.	Heat activated power & cooling tech. to improve bldg. energy effic. & utilize solar and geo. energy
White, Thomas	OIT	Elec. Eng. & Ren. Energy	Energy-efic. bldgs.; focus on net zero and living bldgs. in broader, sustainable econ. system
Williamson, Kenneth J.	OSU	Chem., Bio., and Envir. Eng.	Bio. treatment for hazardous & municipal wastes; green bldgs. & infrast. policy & const'n.
Wood, Brian	OSU	Chem., Bio., and Envir. Eng.	Drinking water sustainability; sustainable water and wastewater treatment for the third world
Yang, Yizhao	UO	Planning, Public Policy & Mgmt.	Urban forms that are env'rly. sustainable or support sust. human behavior; policies that enable these forms
Young, Robert F.	UO	Planning, Public Policy & Mgmt.	Sustainable community design, green economic development and governance
Zipay, James (Jamie)	OIT	Elec. Eng. & Ren. Energy	Wireless and data communications; low and zero-net energy homes

The Oregon Built Environment & Sustainable Technologies Center connects the state's businesses with its shared network of university labs to transform green building and renewable energy research into on-the-ground products, services, and jobs that power Oregon's green economy.

To contact any Oregon BEST Member Faculty, visit oregonbest.org or e-mail us at info@oregonbest.org.

OIT = Oregon Institute of Technology; OSU = Oregon State University; PSU = Portland State University; UO = University of Oregon.