### Jeffrey Anderson (Ag Botany/Plant Pathology)

Jeff Anderson joined the Department of Botany and Plant Pathology as an Assistant Professor in June of 2015. Jeff earned his B.A. degree from Whitman College in 1997 and a Ph.D. degree in Biochemistry from Cornell University in 2006. For his Ph.D. research, he investigated the molecular mechanisms used bacterial pathogens to suppress the immune system of plants. After his graduate training, Jeff was a postdoctoral scholar at the University of Missouri where he gained expertise in using mass spectrometry-based proteomics and metabolomics to investigate abiotic and biotic stress responses in plants. Using these techniques, he identified specific plant metabolites that are used by bacterial pathogens as chemical cues to initiate their infection process. His laboratory at OSU continues to investigate the molecular basis of inter-kingdom signaling between plants and pathogenic bacteria, with the long-term goal of disrupting the ability of bacteria to cause disease on economically important crops.

### Steven Dundas (Applied Economics)

Steve is a new Assistant professor in the AEC Department. He is from New Jersey and completed his B.S. degree in 2003 at the University of Delaware where he studied natural resource management, resource economics, biology, and photography. After college, Steven returned to the Jersey Shore and followed a number of alternative career paths including working as an environmental scientist where he designed and implemented plans to remediate contaminated soils and aquifers, working as a photojournalist, and running a small record label based in Asbury Park, NJ that released local music with national distribution through Universal Music Group. He returned to the University of Delaware in 2009 for a M.S. degree in Agricultural and Resource Economics. Steve completed his Ph.D. in Economics at North Carolina State University. His research is focused on coastal ecosystems services and resilience, adaptation to climate change, non-market valuation, and public policy evaluation. Earlier this year, Steve and his wife, Ann Marie, welcomed their daughter, Ella Jean, to the world. Outside of work, Steve enjoys...
photography, backpacking, gardening, cooking, and spending time with his wife, daughter, and his dog Millie.

Kassahun Melesse (Applied Economics)
Kassahun joined the Department of Applied Economics at Oregon State University as an Assistant Professor in Fall 2015. His research employs economic theory, advanced statistical and numerical methods to analyze development problems aimed at informing public policy to raise standard of living and reduce global poverty. Kassahun’s recent research focuses on the microeconomics of technology adoption in developing economies under credit and insurance market imperfections. Kassahun completed his PhD degree in Agricultural and Resource Economics at the University of California, Davis and holds a Master’s degree in Public Administration in International Development from Harvard University. He also holds BA and MSc degrees in economics from Addis Ababa University.

Stephen Good (Biological & Ecological Engineering)
Dr. Stephen Good started as an Assistant Professor in the Biological and Ecological Engineering Department at Oregon State University in the fall of 2015. Before coming to Oregon, Dr. Good received a B.S. in Mechanical Engineering from Carnegie Mellon University in 2004, served in the Peace Corps as a water and sanitation engineer from 2005 to 2007, and then received his PhD in Environmental Engineering from Princeton University in 2013. Dr. Good’s research is focused on understanding interactions between the hydrologic cycle and ecosystem form and function. Working from scales that vary from leaves to continents, Dr. Good uses a mixture of novel field experiments, geochemical tracers, and remote sensing observations to understand the pathways that water takes on its journey through the terrestrial biosphere. By quantifying the relative contributions of hydrologic processes such as transpiration, interception, and evaporation, Dr. Good research program spans the fields of ecology, hydrology, and geology with applications in both the natural and built environment.
Jared LeBoldus (Ag Botany/Plant Pathology)

Jared LeBoldus joined the department of Botany and Plant Pathology and the department of Forest Engineering and Resources Management in the fall of 2015 as an Assistant Professor. Jared received a B.Sc. (2003) in Forest Science from the University of British Columbia. He received his M.Sc. (2006) and Ph.D. (2010) from the University of Alberta in the area of Forest Biology and Management. His research interests lie in the area of forest pathology. His basic research explores the interactions between host and pathogen populations in natural ecosystems and his applied research is focused on developing management strategies for a variety of forest diseases.

Judit Barroso (Columbia Basin Exp Station)

Judit Barroso grew up in Madrid, Spain, but spent summers in a small town in the Spanish countryside (80 miles North-East of Madrid) where she became interested in agriculture. From 1992 to 1999, she studied Agricultural Engineering at the Polytechnic University of Madrid (UPM). During the last year of the university, Judit was awarded a fellowship that introduced her to Science. After some months spent in the Spanish National Research Council (CSIC) collaborating in some research activities, in 2000, she started a PhD in Weed Science at the Institute of Agrarian Sciences (ICA-CSIC) which finished in 2004 with my thesis titled: Site-specific management of wild oat (*Avena sterilis* L.) populations present in cereal crops in central Spain that was awarded with the extraordinary prize of doctorate in 2005. Before she arrived in the Beaver State as an Assistant Professor at the Columbia Basin Agricultural Research Center (CBARC-OSU) located between Pendleton and Adams she had several Post-Doc experiences. From 2006-2009, she worked on herbicide resistances at the National Institute of Agrarian and Food Technology (INIA-Spain). From 2010-2012, she worked on spatial temporal model at Montana State University (MSU) with a Fulbright scholarship and from 2012-2014, she worked on weed ecology and precision agriculture as a research associate at MSU. In October 2014, she moved from Bozeman, MT to Pendleton OR to develop and lead a rain-fed weed ecology and management research and outreach program at CBARC with academic home in the Department of Crop and Soil Science.
Valtcho Jeliazkov (Columbia Basin Exp Station)

Dr. Valtcho D. Jeliazkov has a PhD in Plant and Soil Sciences from the University of Massachusetts at Amherst. Dr. Jeliazkov has research and teaching experience from Bulgaria, UK, Denmark, Canada, and US. Previously, he worked for Mississippi State University and for the University of Wyoming. Since Dec 1, 2014 he is a tenured associate professor at OSU. Dr. Jeliazkov is developing an innovative research program on long-term effects of agricultural practices on cereal production systems and the environment, which are important to producers, local economy, and the society. A substantial part of his research is focused on high-value alternate crops such as oilseeds, essential oil and medicinal plants, and native plants containing plant chemicals, on multiple utilization/product development from plants. His research interests extend into plant natural products extraction, bioactivity assessment, and utilization of plant chemicals as alternatives to synthetic plant hormones, growth regulators, and pesticides. He continues previous work on plants with promising chemicals for new drug development. This innovative research is expected to lead to new product and technology development with potentially significant economic benefits. He is involved and is interested in further international collaboration with colleagues and organizations in his native Bulgaria and other countries in Europe.

Guojie Wang (Eastern Oregon Univ Ag Prog)

Guojie Wang was born to a farm family in the Inner Mongolia region of northern China. Although it was a small farm, there was a high level of diversity, with animals, cash crops, and forested land. He and his family went through difficult times with financial concerns, but with great effort from his family and himself, he was lucky enough to have more educational opportunities as compared with his childhood playmates. He selected his education major as ecology and range management based on his own wishes to improve the lives of his parents and other farmers through research and extension. He was born in the grasslands, educated in the grasslands, and now works in the grasslands related forage sciences education and research, which he loves. With his Ph.D. from North Dakota State University and now work for Oregon State University, his life and his wishes move to a new chapter, with perspectives to serve agriculture majored students, agricultural producers, and environmental groups with his knowledge and research nationally and internationally.
Tracy Wilson (Central Oregon Exp Station)

Tracy Wilson earned her Masters Degree in Plant and Soil Science and her PhD in Soil Science from Oklahoma State University. Her research interests include: evaluating impacts of amending irrigated soils with biochar, quantifying greenhouse gas emissions (primarily N₂O) from fertilizer sources; incorporating cover crops into seed production systems; and soil and water conservation strategies for irrigated areas. Her areas of specialization are soil health, plant nutrition, soil and water conservation and greenhouse gas emissions from agricultural soils.

D Barry Croom (General Agriculture)

Barry Croom is Professor and Department Head for Agricultural Education and General Agriculture at Oregon State University. Croom joined the faculty in 2015. Prior to coming to Oregon State, he was Alumni Distinguished Undergraduate Professor in the Department of Agricultural and Extension Education at North Carolina State University. Part of his responsibilities include training and development for high school teachers, development of curriculum, instructional and support materials for the agricultural education programs. Croom maintains a research program that focuses on effective teaching, career and technical education policy, and diversity in agricultural education. He has served as the National president of the Association for Career and Technical Education Research, and Editor of the Journal of Agricultural Education. He is the author of three texts, 46 peer-reviewed publications, and more than 20 popular publications. Croom is a Fellow of North American Colleges and Teachers of Agriculture, and a Fellow of the American Association for Agricultural Education. He has received the Distinguished Teaching Award and the Outstanding Agricultural Educator Award by the Agricultural Education Division of the Southern Association of Agricultural Scientists. He was recognized at the Distinguished New Professor of the Year for 2015 by the Agricultural Executive Board of the College of Agricultural Sciences.
Kelly Vining (Horticulture)

Kelly Vining joined the Department of Horticulture as an Assistant Professor in September 2015. She earned an M.A. in Plant Biology in 1999 and a Ph.D. in Genetics in 2007 from the University of New Hampshire. She came to OSU in 2009 for a postdoctoral appointment in the Department of Forest Ecosystems and Society. Kelly has a strong interest in the study of wild relatives of crop plant species, as these relatives often contain genes for disease resistance, stress tolerance, and other traits valuable to plant breeding programs. Her research focus is application of bioinformatics and genomics tools to Pacific Northwest crops, and she collaborates with researchers at Oregon Agricultural Research Centers and at the USDA-ARS on a variety of genomics projects. Kelly has a special fondness for mint, and has started a mint genomics-assisted breeding program at OSU focused on producing cultivars that are resistant to the fungal disease Verticillium wilt.

Jonathan Armstrong (Fisheries and Wildlife)

Jonathan was born and raised in Ashland, Oregon at the intersection of the Cascade and Siskiyou mountain ranges. He spent much of his youth enjoying the area’s wonderful outdoor opportunities, which led him to a career in the natural sciences. He majored in biology at Lewis and Clark College, conducting undergraduate research projects in Panama and Oregon. He went on to complete a PhD at the University of Washington, working with the Alaska Salmon Program in pristine watersheds that support the world’s largest salmon fisheries. His ongoing research in Alaska seeks to understand why intact watersheds are so productive for fish and wildlife and to apply this knowledge to conservation strategies in degraded watersheds. After completing his PhD he was awarded a David H. Smith postdoctoral fellowship to evaluate the effects of resource development on fish and wildlife, which brought him to University of Wyoming. While he will miss the sunny winters of Southeast Wyoming, he is thrilled to join the faculty at Oregon State University and to begin research addressing conservation issues in the region that originally inspired his passion for the natural world.
Kelly Biedenweg (Fisheries and Wildlife)

Kelly Biedenweg is a new Assistant Professor of Human Dimensions at Oregon State University's Fisheries and Wildlife Department. Kelly formerly held an NSF Science, Engineering, and Education for Sustainability postdoctoral fellowship with the Natural Capital Project at Stanford University and the Puget Sound Institute at University of Washington. Her research interests are in social values associated with the natural environment, social learning, natural resource management processes, adult education and communication, and program evaluation and facilitation. Her work has focused primarily in Latin America and the Pacific Northwest. Kelly has consulted for The Nature Conservancy, the U.S. Forest Service’s Pacific Northwest Research Station, the Puget Sound Partnership, the Institute for Culture and Ecology, TetraTech ARD, University of Washington, King County, and Asociación Nacional de Exbecarios para el Desarrollo de Honduras. Kelly is a former NSF IGERT, American Association of University Women, and University of Florida Alumni fellow. She received her PhD in 2010 from the University of Florida School of Forest Resources and Conservation with a certificate in Environmental Education and Communication and Latin American Studies, and a concentration in Tropical Conservation and Development. She holds a master of science in conservation biology and a bachelor of science in marine ecology.

Kenneth Frost (Hermiston Exp Station)

Ken Frost joined the Department of Botany as an Assistant Professor and Extension Plant Pathologist in February 2015. His program is based at the Hermiston Agricultural Research and Extension Center in Hermiston, OR. Ken was born and raised in Wisconsin and received his M.S. and Ph.D. in plant pathology from the University of Wisconsin-Madison. His postdoctoral work focused on implementing and optimizing weather-based pest and disease forecasting models to inform and enhance management of vegetable crops grown in Wisconsin. In Oregon, Ken leads statewide extension programs related to the diagnosis and management of diseases of potato and other high value irrigated crops. His applied research program in plant pathology supports the needs of the agricultural industry in North central Oregon and focuses on the ecology of plant pathogens and epidemiology of plant disease. His research interests are generally concerned with how variability in the environment affects pathogen growth, survival, and dispersal and influences...
the spatial and temporal pattern of disease. Specifically, Ken is interested in pathogen detection, population genetics of plant pathogens, insects as vectors of plant pathogens, and landscape heterogeneity as it relates to the dispersal of plant pathogens and/or their vectors.

Jennifer Dennis (Horticulture)

Dr. Jennifer H. Dennis joined Oregon State University as a Professor and Associate Dean in the graduate school in June 2015, and has recently been named Vice Provost & Dean of the Graduate School. Prior to joining OSU, she had a joint appointment in Agricultural Economics and Horticulture and was the inaugural Director of Distance Education for the College of Agriculture at Purdue University. Her research at Purdue University included consumer willingness to pay for sustainable products, eye tracking research on sustainable attributes and point of purchase materials, consumer intentions of educational material based on farm to school programs and characteristics of Indiana farmers’ markets. She also represents specialty crops for the nation as an advisory member of the National Agriculture Statistics Service Advisory Council. Dr. Dennis has been active in mentoring women of color in STEM fields at Purdue and will be an advocate for diversity issues for graduate students and within the university in her role as Associate Dean. She received her Ph.D. from Michigan State University in Horticulture with a minor in Marketing and Consumer Behavior (2004) and her M.S. (2001) and B.S. (1999) in Horticulture from the University of Illinois at Urbana-Champaign.

Rebecca Lybrand (Crop and Soil Science)

Rebecca is an Assistant Professor in the Department of Crop and Soil Science at Oregon State University. She earned a M.S. in Soil and Water Science from UC Riverside and received her Ph.D. from The University of Arizona’s Department of Soil, Water and Environmental Science in 2014 where she worked with the Catalina Critical Zone Observatory. Rebecca went on to postdoc with the Gallery Soil Ecology Lab in the School of Natural Resources and the Environment at The University of Arizona before joining Oregon State University in December 2015. She is teaching Soil Landscape Analysis (CSS 468/568) in Winter 2016 and Soil Morphology & Classification (CSS 466/566) in Spring 2016. Rebecca’s research program is focused on cross-scale soil biogeochemistry in the Critical Zone with specific emphasis on mineral weathering and how soils stabilize carbon across landscapes. Rebecca
enjoys hiking, mountain biking, and traveling. She is excited to start exploring the diverse soils in the Pacific Northwest.

### College of Business

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<th><strong>Jay Hardy</strong></th>
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<td>Dr. Jay Hardy is an Assistant Professor in the College of Business at Oregon State University, where he teaches classes in Organizational Behavior and Human Resources Management. Jay received his Ph.D. in Industrial-Organizational Psychology from the University of Oklahoma in May 2015. Jay's research interests are in the areas of training and development, self-regulation, employee adaptability, curiosity in organizations, and computational modeling.</td>
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<th><strong>Manuela Hoehn-Weiss</strong></th>
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| Dr. Manuela N. Hoehn-Weiss is an Assistant Professor of Strategy and Entrepreneurship in the College of Business at Oregon State University. Before joining the faculty at Oregon State, she held an Assistant Professor position at the University of Washington Bothell. She is an active researcher and award-winning teacher with international, high-technology industry experience and first-hand knowledge of the high-tech centers of Silicon Valley, Boston and Seattle. In her research, Manuela investigates how firms, particularly at early stages of their life cycles, obtain access to and acquire resources that are critical to their operations. The core of her inquiry examines how alliances, which can be a key resource-acquisition mechanism, affect firms' performance. Her research has been published or is forthcoming in the Strategic Management Journal, Strategic Organization, Journal of Private Equity and Frontiers of Entrepreneurship Research. She has presented her work at the Academy of Management annual meetings, the Strategic Management Society International annual conferences (where her work has been nominated twice for the SMS Best Conference Paper Prize), the West Coast Research Symposium on Technology Entrepreneurship, the annual Babson College Entrepreneurship Research Conferences (BCERC), the Society of Entrepreneurship Scholars Conference & Manuscript Boot-Camp, and the Colloquium for Competition and Cooperation (CCC). Manuela was selected as one of four finalists for the Academy of Management Entrepreneurship
Division's 2007 Heizer Award for outstanding dissertations in entrepreneurship. Manuela teaches strategic management and entrepreneurship in undergraduate, MBA and executive education programs, and has been recognized with several MBA teaching awards. She currently teaches entrepreneurship in the College of Business. Manuela earned her doctorate at Boston University in Strategy and Policy, and she holds a B.S.C. degree (magna cum laude) in Marketing from Santa Clara University. Prior to pursuing her doctorate, Manuela worked in industry in Silicon Valley. She held program management and product marketing positions at Cisco Systems, as well as international marketing management and product marketing management positions at Livingston Enterprises (a start-up) and Lucent Technologies.

**Lawrence Houston III**

Lawrence Houston III, Ph.D. is an Assistant Professor of Management at Oregon State University, where he teaches classes in Organizational Behavior. Lawrence received his doctorate in Industrial and Organizational Psychology from Pennsylvania State University. His primary research areas are workplace diversity, professional image and identity management, and counterproductive work behaviors.
Jonathan Kalodimos

Jonathan Kalodimos, Ph.D., is an assistant professor of finance at the Oregon State University College of Business. Prior to joining the faculty at OSU, Dr. Kalodimos was a financial economist at the U.S. Securities and Exchange Commission, where he was lead economist on Dodd Frank Act Section 954, which deals with executive compensation clawbacks. His research has received multiple citations in the popular press, including the Wall Street Journal, the New York Times, Bloomberg and the Harvard Business Review. Dr. Kalodimos completed a Ph.D. in finance at the University of Washington’s Michael G. Foster School of Business in 2014, one year after earning a Master of Science in business administration from the same school. He also holds an MS in finance from the University of Florida's Hough Graduate School of Business and a Bachelor of Science in physics from Kansas State University. From 2007 to 2009, Dr. Kalodimos was a real estate capital markets analyst for Wachovia Bank.

Mitzi Montoya

Mitzi M. Montoya became the Sara Hart Kimball Dean of the College of Business at Oregon State University in August 2015. She is responsible for providing leadership of the college, which is focused on innovation and entrepreneurship and serves more than 5,800 students, including 3,900 business majors and pre-majors, nearly 850 business and entrepreneurship minors, 250 graduate students and more than 800 design students. Prior to coming to Oregon State, Dr. Montoya served as Vice President and University Dean of Entrepreneurship & Innovation at Arizona State University, was a Professor in the Management Department of the W.P. Carey School of Business at ASU and served on the board of the W.P. Carey Center for Entrepreneurship. She received her Ph.D. in Marketing and Statistics and a B.S. in Applied Engineering Science, both from Michigan State University, and is a former American Council on Education (ACE) Fellow. Dr. Montoya was responsible for advancing entrepreneurship at ASU, including supporting student and faculty entrepreneurs, enhancing the entrepreneurial ecosystem and advancing innovative collaborative initiatives across ASU. Previously at ASU, Dr. Montoya served as Dean of the College of Technology & Innovation and Vice Provost of the ASU Polytechnic campus. In that role she led the development of a college-wide experiential learning model that embedded real-world projects across the curriculum in partnership with industry and the
community. During her time at ASU, Dr. Montoya positioned the university as a national leader in the growing maker movement and developed public-private partnerships to advance a regional innovation system, including development of a public, open prototyping facility that united the community, local companies and the university; she also established the Aerospace & Defense Research Collaboratory, a statewide platform for collaboration across the aerospace and defense supply chain and research institutions, and she led ASU’s USAID-sponsored global training program for clean energy.

Ted Paterson

Ted Paterson holds a Ph.D. in management from the University of Nebraska and a bachelor's degree in finance from Brigham Young University. His research interests include positive organizational behavior, leadership, ethics, identity, and research methods. Paterson received the University Outstanding Graduate Teaching Award at Nebraska, as well as two fellowships. His publications include "Advancing a Richer View of Identity at Work: The Role-Based Identity Scale," Personnel Psychology; "An Assessment of the Magnitude of Effect Sizes: Evidence from 30 Years of Meta-Analysis in Management," Journal of Leadership and Organizational Studies; "Group Ethical Voice: Influence of Ethical Leadership and Impact on Ethical Performance," Journal of Management; and “Thriving at Work: Impact of Psychological Capital and Supervisor Support Climate,” Journal of Organizational Behavior.

Jun Bum Shin

Jun Bum Shin is an assistant professor of graphic design in the College of Business’ School of Design and Human Environment, joining the faculty at Oregon State after four years in a similar role at James Madison University in Harrisonburg, Va., and three years as a graduate teaching assistant at Purdue University in West Lafayette, Ind. He holds Master of Fine Arts and Bachelor of Arts degrees in visual communications design from Purdue and also studied at the Korean Institute of Design Promotion in Seoul and the Academy of Art University in San Francisco. He’s an award-winning artist and designer whose scholarly publications have focused on designing and directing professional journals.
**Jason Stornelli**

Jason Stornelli is an assistant professor of marketing in the College of Business at Oregon State University. His research investigates how people make judgments and decisions about regulating their consumption, with the aim of helping consumers to act in ways that leave them happier, healthier and wealthier. His primary area of research examines how making plans can facilitate and hinder consumers’ ability to convert their choices and intentions into sustained action. In addition, Jason studies factors such as genetics, culture and cognitive biases and their relationship to consumer choice. Jason earned a Ph.D. in marketing from the University of Michigan's Ross School of Business and a BA in honors business administration from the University of Western Ontario's Ivey Business School.

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**Creveling, Jessica**

Jessica Creveling joins Oregon State University as an assistant professor in Earth system history. She specializes in the use of sedimentological and stratigraphic field observations to study changes in sea level during ancient ice ages. She received her Ph.D. in Earth & Planetary Sciences from Harvard and was previously a postdoctoral fellow at Caltech.

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**Jamon Van Den Hoek**

Jamon Van Den Hoek joins Oregon State University as an assistant professor in geospatial intelligence and analytics. He specializes in the use of remote sensing and geospatial technologies to understand the relationship between large-scale environmental change and social interaction and conflicts. He received his Ph.D. in geography from the University of Wisconsin/Madison in 2012 and was previously a postdoctoral fellow at NASA Goddard.
Soria Colomer

Soria Elizabeth Colomer is Assistant Professor of ESOL and Bilingual Education. Her research explores the negotiation of language and culture in schooling communities. In particular, she considers how bilingual language teachers’ perceptions, ethnic identities, and linguistic skills impact their roles in schools with growing emergent bilingual student populations. Her work appears in the journals *Hispania, Foreign Language Annals, Bilingual Research Journal, TESOL Quarterly* and the book *Revisiting Education in the New Latino Diaspora: One of Twelve and Rising*, among others.

Gilberto Lara

Gilberto Lara was a teacher from 2003-2009 in 1st through 8th grades in both Bilingual Education and ELL settings in Idaho. He earned his Bachelor and Master’s degrees from Boise State University in Bilingual Education. He earned his PhD in 2015 in Bilingual/Bicultural Education from the University of Texas at Austin. His research interests include: LatCrit, figured worlds, identity and gender studies. He also focuses on the pedagogical practices and contributions of minority elementary teachers and the use children’s books in the elementary classroom with social justice and gender equity themes. His work appears in the *Bilingual Research Journal* and *Social Studies and the Young Learner*.

College of Engineering
Nicholas AuYeung (Chemical, Biological, and Environ. Engr.)

Assistant Professor Nick AuYeung returned to CBEE winter term 2015, after a three-year stint at the University of Florida in Mechanical and Aerospace Engineering, where he managed two federally-funded solar thermochemical energy storage projects on a postdoc appointment. AuYeung received his Ph.D. from Oregon State working under Alex Yokochi, who sparked his interest in thermochemical conversion. He is thrilled to be following in the footsteps of his mentors by molding seniors into professionals in his Chemical Plant Design class. His research is primarily in the area of renewable energy, focusing on utilization of concentrated solar thermal energy for chemical reactions to generate fuels, fertilizers, and other chemical products.

Elain Fu (Chemical, Biological, and Environ. Engr.)

Elain Fu began her tenure-track appointment in the School of Chemical, Biological, and Environmental Engineering at Oregon State University in the fall of 2015. Prior to that, Elain was research faculty in CBEE from 2013 to 2015 and in the Department of Bioengineering at the University of Washington from 2010 to 2013. Elain’s research program is focused on microfluidics-based sensor technology development with the aims of understanding the physics and chemistry of device operation and increasing device performance for field applications. Recent work in her group has been on the development of “paper” networks to enable high performance testing in a simple disposable format that is appropriate for use in even the lowest-resource settings. Global health applications in the areas of human disease diagnosis, veterinary medicine, agriculture, and environmental monitoring are of particular interest to her.

James Sweeney (Chemical, Biological, and Environ. Engr.)

Jim Sweeney joined the School of Chemical, Biological, and Environmental Engineering (CBEE) at Oregon State University as Professor and School Head in December of 2014. He is also the James and Shirley Kuse Endowed Chair. Prior to joining OSU, Sweeney was Professor and Chair of the Department of Bioengineering and Software Engineering in the U.A. Whitaker College of Engineering at Florida Gulf Coast University in Ft. Myers, Florida. His research interests are in bio- and environmental sensors, bioelectricity,
implanted medical devices, neuromuscular stimulation, and engineering education. Prior to his time in Florida, he had an 18-year academic career at Arizona State University in Tempe, Arizona where he now holds emeritus faculty status. He has authored more than 70 journal articles, book chapters, conference proceedings papers and patents. In his role as CBEE School Head, Jim manages the school’s academic programs, which serve about 1000 undergraduate and 150 graduate students, and oversees a unit with 38 faculty and 6 staff. Sweeney earned his bachelor’s degree in engineering from Brown University and his master’s and doctoral degrees in biomedical engineering at Case Western Reserve University. Jim is an AIChE member, senior member of the IEEE, and a fellow of the American Institute for Medical and Biological Engineering (AIMBE).

Ingrid Arocho (Civil and Construction Engineering)

After earning her Ph.D. in Civil Engineering from North Carolina State University, Assistant Professor Ingrid Arocho joined the School of Civil and Construction Engineering in January 2015. Prior to Oregon State University, Arocho conducted research on construction site emissions from gasoline and diesel powered equipment. In her work, she studied how contractors can use different equipment combinations and project schedules to reduce total emissions and environmental impact from construction projects. Currently, Arocho teaches Project Management for Construction CEM 443/543 and is a member of the Construction Research Congress.
Daniel Borello (Civil and Construction Engineering)
Assistant Professor Daniel Borello combines experimental testing and numerical simulations to study the behavior of large structures, particularly steel buildings. He is interested in sustainable infrastructure and mitigating the impact of earthquakes through innovative, replaceable structural systems including steel plate shear walls, self-centering systems, and supplemental energy dissipation devices. By facilitating economical yet resilient materials and systems, Borello aims to enhance the life cycle and safety of large structures while improving access to such structures in developing countries.

Judy Liu (Civil and Construction Engineering)
Professor Judy Liu joined the School of Civil and Construction Engineering in 2015 after serving as a faculty member at Purdue University in the School of Civil Engineering. In her research, Liu explores resilient steel buildings, with focus on seismic and disproportionate collapse resistance. She has interests in behavior and design of structural steel connections and innovative systems for lateral resistance. She is a past recipient of the AISC Milek Fellowship for research on steel slit panels for lateral resistance and serves on numerous committees, including the ASCE/SEI Disproportionate Collapse Mitigation Standard Committee, the NCSEA Basic Education Committee, and the AISC Partners in Education Committee. She also holds the position of Research Editor for the AISC Engineering Journal.

William Jason Weiss (Civil and Construction Engineering)
School of Civil and Construction Engineering School Head, Professor Jason Weiss, is a leading researcher in the development of more durable and sustainable concrete. Prior to his position at Oregon State, Weiss was the Jack and Kay Hockema Professor of Civil Engineering at Purdue University, and director of the Pankow Materials Laboratories. At CCE, Weiss directs the Kiewit Center for Infrastructure and Transportation Research and holds the Miles Lowell and Margaret Watt Edwards Distinguished Chair in Engineering. Weiss is internationally recognized for his work in concrete
pavement, building and bridges. Specifically, he has focused on minimizing cracking, improving durability, and making concrete more sustainable. As head of CCE, Weiss is leading efforts to improve the resilience of the aging infrastructure.

Jihye Park (Civil and Construction Engineering)
Assistant Professor Jihye Park joined the School of Civil and Construction Engineering in 2015 after serving as research fellow at The University of Nottingham in UK. Park earned her M.S. and Ph.D. from The Ohio State University and was the recipient of the Ohio State Women in Engineering Distinguished Graduate Student Award. Her research interests include GNSS positioning and navigation, GNSS remote sensing, GNSS-R, as well as other geospatial-related topics. In her research, she develops advanced algorithms to improve positioning and navigation performance of GNSS in harsh environments and to detect geophysical events, such as natural hazards or artificial explosions, by monitoring ionospheric disturbances with GNSS remote sensing. Park has developed a new course at Oregon State, Fundamentals of Geodesy, which covers the core elements and backgrounds of geospatial-related studies.

Onan Demirel (Mechanical, Industrial, and Manuf. Engr.)
Onan Demirel researches the development of multi-disciplinary design theory and methods to explore inter-dependencies and co-evolution of human element in engineering, natural and social systems. His approach combines form and function through conception and creation of products, processes and environments. Adept in both experimental and computational design, Demirel's work engages in human data collection and virtual simulations, and applies mechanical engineering design methods with industrial and systems engineering to include the human element in the design process. Dr. Demirel's research focuses on how to incorporate human needs, abilities and limitations during early stages of the design process. He currently works on the development of a human-in-the-loop design framework, which utilizes Digital Human Modeling to integrate three domains: Engineering Design, Human Factors and Systems Engineering.
Joshua Gess (Mechanical, Industrial, and Manuf. Engr.)

In the Enhanced Heat Transfer Laboratory, where Josh Gess is a co-principal investigator, research focuses on mass, momentum and thermal transport enhancement at the micro and nano scales. His research interests include two-phase immersion cooling techniques specific to applications involving high-performance data centers, bubble dynamics and two-phase heat transfer phenomena. Dr. Gess was a Walt and Virginia Woltosz Fellow in 2013 and 2014, and a U.S. Steel Fellow in 2012. He received his PhD in 2015 from Auburn University in mechanical engineering.

Xinhui Zhu (Mechanical, Industrial, and Manuf. Engr.)

Xinhui Zhu joined Oregon State University as an Assistant Professor in the School of Mechanical, Industrial, and Manufacturing Engineering in 2015. Before that, she earned both her bachelor's and master's degrees with honors from Beijing Forestry University, China and received her Ph.D. in Industrial Engineering from the University at Buffalo, the State University of New York. Her research centers around three themes: occupational safety, the usability of products and environments across diverse populations (including wheelchair users), and the development of new assessment tools to assist with data collection in studies of ergonomics. Her most recent research focuses on the workload experienced by surgeons during surgeries. She is interested in the interactions between physical, cognitive, and psychosocial factors in the operating room and in how these factors influence surgeons’ workloads. Her work to date has resulted in multiple journal publications and articles that address human factors/ergonomic issues in healthcare, construction, forest, and office work environments. She has also presented her research at conferences, including the annual meetings of the Human Factors and Ergonomics Society and the American Urogynecologic Society and International Urogynecological Association. She has been a member of the Human Factors and Ergonomics Society since 2011. Additionally, she is an active member of the Tau Beta Pi Engineering Honor Society and the Alpha Pi Mu Industrial Engineering Honor Society. She is also a recipient of
the eTool Prize (First Place) in the Ergonomics Design Competition for Student Teams hosted by Auburn Engineers, Inc. (2010).

**Nordica MacCarty (Mechanical, Industrial, and Manuf. Engr.)**

Nordica MacCarty’s research interests lie in understanding the relationships between energy, society and the environment through integrated complex systems modeling, thermal fluid sciences, and engineering design. Much of her work focuses on the application of these and other interdisciplinary tools to the design and implementation of energy systems for households in developing countries, based in part on her extensive background in the design of biomass cookstoves. In addition to numerous technical and journal publications, Dr. MacCarty has been an invited speaker around the globe to present her research. She received her PhD in mechanical engineering from Iowa State University in 2015, where she studied under a graduate research fellowship from the National Science Foundation. She currently serves as Associate Editor for the journal Energy for Sustainable Development and track chair for the ASME IDETC Design for the Developing World session.

**Kyle Niemeyer (Mechanical, Industrial, and Manuf. Engr.)**

Dr. Niemeyer joined the School of MIME as an assistant professor in September, after spending two years at Oregon State first as a postdoctoral scholar and then a research professor. He received his PhD in Mechanical Engineering from Case Western Reserve University in 2013. Dr. Niemeyer’s research focuses on the computational modeling of combustion and fluid dynamics, including developing novel numerical methods and strategies as well as applying such modeling tools to answer questions related to liquid transportation fuels, turbulence-chemistry interaction, fluid-structure interaction. His research has been funded by the National Science Foundation, Department of Energy/National Energy Technology Laboratory, NASA, Oregon BEST, and U.S. Department of Defense’s Strategic Environmental Research and Development Program (SERDP).
Melissa Santala (Electrical Engr. and Computer Science)

Melissa Santala researches the role of surfaces and interfaces in the morphological and phase stability of nanostructured materials, the kinetics of phase transformations, and the application of transmission electron microscopy to problems in materials science, including aberration-corrected and photo-emission transmission electron microscopy. Dr. Santala was a research scientist at the Lawrence Livermore National Laboratory prior to joining the school. She received her PhD in materials science & engineering from the University of California, Berkeley, in 2009, where she studied under a graduate research fellowship from the National Science Foundation.

Burak Sencer (Mechanical, Industrial, and Manuf. Engr.)

Burak Sencer completed his Ph.D. (2009) and M.S. (2005) in mechanical engineering at the University of British Columbia in Canada, and his B.S. (2003) in mechanical engineering at Istanbul Technical University in Turkey. Dr. Sencer conducts research in advanced manufacturing. His research interests are in the areas of precision motion control, and optimal trajectory generation for multi-axis machine tools, and intelligent machining process control. His doctoral work at the University of British Columbia focused on high-speed motion generation and precision controls of 5-Axis CNC machine tools. Prior to joining the School of MIME, Dr. Sencer worked as an assistant professor at the Nagoya University in Japan, and also as a DAAD scholar at the Institute for Machine Tool Control (ISW) at the Stuttgart University in Germany.

Lizhong Chen (Electrical Engineering and Computer Science)

Lizhong Chen is an assistant professor in the School of Electrical Engineering and Computer Science at Oregon State University (starting from January 2015). His research interests are in the area of architecture, application and emerging technology of computing systems, including embedded and mobile devices, many-core processors, data centers and high performance computing systems. Prior to join Oregon State University, he was a postdoctoral research associate at the University of Southern California(USC), working with Timothy Pinkston and Massoud Pedram. He is a member of the IEEE Computer Society and the Association for Computing Machinery (ACM). Dr. Chen received his Ph.D. in Computer Engineering and M.S. in Electrical
Engineering from USC in 2014 and 2011, respectively (advisor: Timothy Pinkston). He received his B.S. in Electrical Engineering from Zhejiang University in 2009 and was part of the SoC team in the Institute of VLSI Design. He is the recipient of the Chu Kochen Award (the highest honor in Zhejiang University), the USC Ph.D. Achievement Award nomination, the National Scholarship from the Ministry of Education of China, and the Chinese Government Award for Outstanding Students Studying Abroad.

Liang Huang (Electrical Engineering and Computer Science)
Before coming to Oregon State University, Liang Huang was most recently an assistant professor at the City University of New York (CUNY) and a part-time research scientist at IBM T. J. Watson Research Center. He graduated in 2008 from the University of Pennsylvania and has worked as a research scientist at Google and a research assistant professor at USC/ISI. Most of his work develops fast algorithms and provable theory to speedup large-scale natural language processing and structured machine learning. He has received a Best Paper Award at ACL 2008, several best paper nominations (ACL 2007, EMNLP 2008, and ACL 2010), two Google Faculty Research Awards (2010 and 2013), a Yahoo Faculty Research Award (2015), and a University Teaching Prize at Penn (2005). His research has been supported by DARPA, NSF, Google, and Yahoo. He also co-authored a best-selling textbook in China on algorithms for programming contests.

Rebecca Hutchinson (Electrical Engr. and Computer Science)
Rebecca Hutchinson was most recently a postdoctoral fellow at Oregon State University. She is affiliated with both the School of Electrical Engineering and Computer Science and the Department of Forest Ecosystems and Society under a SEES fellowship (Science, Engineering, and Education for Sustainability) from the National Science Foundation. Before coming to Oregon State, she earned a Ph.D. in computer science from Carnegie Mellon University, where she was an NSF graduate research fellow, and she received a B.S.E. in computer science from Bucknell University. Her current research develops machine learning methods for ecological problems like species distribution modeling and link prediction for species interaction networks.
Fuxin Li (Electrical Engineering and Computer Science)

Before coming to OSU, Dr. Fuxin Li was a research scientist from the School of Interactive Computing, Georgia Institute of Technology, working with Dr. James M. Rehg. He obtained a Ph.D. degree in 2009 from the Institute of Automation, Chinese Academy of Sciences and had since held postdoctoral appointments in the University of Bonn and Georgia Institute of Technology. Dr. Li is interested in the intersection of machine learning and computer vision, especially segmentation in images/videos and visual object recognition. He and his colleagues have won the prestigious PASCAL Visual Object Recognition challenge in Segmentation from 2009-2012. He has won a Microsoft research award, 2 best reviewer awards and is currently leading an NSF project.

V John Mathews (Electrical Engr. and Computer Science)

Dr. V John Mathews is Professor and Head of the School of Electrical Engineering and Computer Science at the Oregon State University. He received his Ph.D. and M.S. in Electrical and Computer Engineering from the University of Iowa, Iowa City, Iowa in 1984 and 1981, respectively, and the B.E. (Hons.) degree in Electronics and Communication Engineering from the University of Madras, India in 1980. He was with the department of Electrical and Computer Engineering at the University of Utah from 1985 till 2015 and served as the department chairman from 1999 to 2003. His research interests include nonlinear and adaptive signal processing and applications in audio and communication systems, biomedical engineering, and structural health management. He is the author of the book Polynomial Signal Processing (Wiley,) has published approximately 150 technical papers, and is the inventor on seven patents. Mathews is a Fellow of IEEE. He was Vice President - Finance (2003-2005), and Vice President – Conferences (2009-2011) of the IEEE Signal Processing Society. He has served on the editorial boards of IEEE Transactions on Signal Processing, the IEEE Signal Processing Letters, the IEEE Journal of Selected Topics in Signal Processing and the IEEE Signal Processing Magazine. He received the 2008-09 Distinguished Alumni Award from the National Institute of Technology, Tiruchirappalli, India and the Utah Engineers Council’s Engineer of the Year Award in 2011. He was a Distinguished Lecturer of the IEEE Signal Processing Society (2013-2014,) and received the IEEE Signal Processing Society Meritorious Service Award in 2014.
Anita Sarma (Electrical Engineering and Computer Science)

Anita Sarma joined Oregon State University in September 2015 where she is an associate professor in the School of Electrical Engineering and Computer Science. Before coming to Oregon State, she was an assistant professor in the Department of Computer Science and Engineering at the University of Nebraska, Lincoln and was previously a post doctoral fellow in the School of Computer Science at Carnegie Mellon University. She holds a Ph.D. degree in information and computer science from the University of California, Irvine. Her research interests are at the intersection of software engineering and computer-supported cooperative work. She seeks to understand how factors such as interdependencies among work artifacts, design erosion of the work product, and organizational culture affect coordination; and create effective coordination solutions for distributed development by identifying the kinds of information required for coordination, the means of generating and distributing such information, and ways to present it. Anita regularly serves on program committees in software engineering conferences (ICSE, ASE, ICGSE), has been the co-chair of ICSE 2014 formal demonstration track and serves as a reviewer for TSE, TOSEM, TOCHI.

Eric Walkingshaw (Electrical Engr. and Computer Science)

Eric Walkingshaw is an assistant professor of computer science at Oregon State University. His research interests are in language design, domain-specific languages, type systems, functional programming, and visual languages. He has developed formal languages and domain-specific languages for representing and computing with variability, experimental game theory, causal modeling, and producing interactive explanations. His work has earned two Best Paper awards. Walkingshaw has a BA in creative writing and a BS in computer science (with a minor in applied mathematics) from the University of Washington (2006), and an MS and PhD in computer science from Oregon State University (2013). Before joining the faculty at Oregon State, he spent one year as a visiting researcher at the University of Marburg in Germany. From 2005-2007 he worked as a software developer in Seattle.
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<tr>
<th>Ian Munanura (Forest Ecosystems and Society)</th>
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<td>Ian E. Munanura is Assistant Professor of Nature-based Tourism and Recreation in the Department of Forest Ecosystems and Society, at Oregon State University. He received his Doctorate from Clemson University. He also graduated from the University of Kent in the United Kingdom with a Master of Science in Tourism and Conservation. His research interest is ecotourism as a tool for wildlife conservation and sustainable rural livelihoods. He has previously served in senior management positions. He served as a Senior Ecotourism Advisor for a $9 million USAID funded ecotourism project in Rwanda, implemented by the Development Alternative Inc. He led a $5 million USAID funded ecotourism project in Rwanda, implemented by the International Resources Group. He also served as Country Director for the Wildlife Conservation Society in Rwanda.</td>
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<th>Carlos Gonzalez-Benecke (Forest Engr., Resources &amp; Mgmt.)</th>
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<td>Dr. Gonzalez-Benecke works as Assistant Professor of Forest Regeneration at the Department of Forest Engineering, Resources and Management, where he also serves as the Director of the Vegetation Management Research Cooperative (VMRC). Previously he worked for 6 years as Research Associate at the School of Forest Resources and Conservation at the University of Florida, where he developed research on forest ecophysiology and forest modeling, producing models of Carbon dynamics for loblolly, longleaf and slash pine forests, including a growth and yield model for planted longleaf pine. Before moving to U.S., Dr. Gonzalez-Benecke worked for 10 years in Chile at Bioforest S.A. as Project Manager of Silvicultural and Nutritional Management and Ecophysiology, developing research on fast-growing species as eucalyptus and radiata pine. Dr. Gonzalez-Benecke has a B.A. degree in Forest Engineering at Universidad de Chile, a Diploma in Industrial Engineering at Universidad de Concepcion and a PhD at the University of Florida.</td>
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Olli-Pekka Kuusela (Forest Engr., Resources & Mgmt.)

Olli-Pekka Kuusela is a new Assistant Professor of Forest Economics in the Department of Forest Engineering, Resources and Management. He received his Ph.D. and M.A. from Virginia Tech and B.S. from University of Helsinki. Prior to joining OSU, Kuusela worked as a principal research scientist and research economist at the Natural Resources Institute Finland in Helsinki. During his graduate studies in Virginia, he did a PhD Fellowship at the Inter-American Development Bank in Washington DC. Kuusela’s research interests cover forest economics, environmental and natural resource economics, tradable permit and carbon offset markets, forest policy instruments, and the economics of common property resources. His research has focused on identifying drivers of tropical deforestation, examining the use of performance bonds in forest policy and management, modeling the optimal design of tradable permit schemes in the presence of business cycle uncertainty, and estimating the impacts of technical inefficiency on the welfare of forest dependent rural households. He collaborates with researchers from OSU, Virginia Tech and Finland. Kuusela’s future research ambitions include the economics of water resources and the design and analysis of policies to manage risks to forest resources. Kuusela is currently teaching an undergraduate class in forest economics, and next year, he will teach a class on the economics of resource risks. In his free time, Kuusela enjoys Oregon roasted coffee, sunny days, and the beautiful coastline.

Meg Krawchuk (Forest Ecosystems and Society)

Dr. Meg Krawchuk leads the Landscape Fire and Conservation Science Research Group at OSU’s Department of Forest Ecosystems and Society in the College of Forestry. Meg’s research and teaching focuses on landscape and fire ecology, pyrogeography, and conservation science - exploring biophysical controls over ecological phenomena. Meg has worked at scales from local to global, addressing the drivers and effects of ecological disturbances with a primary interest in wildfire. Recent investigations include ideas of predictable fire refugia within burn mosaics of western North American forest ecosystems, ecological implications of overlapping short-interval disturbances such as insect outbreaks, forest harvest, and wildfire, spatially varying constraints over modern patterns of burning, and the theory and tools necessary for science-based conservation planning in boreal forest ecosystems of Canada and the United States. Prior to joining OSU, Meg
Krawchuk held a position of Assistant Professor in the Department of Geography at Simon Fraser University in British Columbia, Canada; Meg completed her postdoctoral work at the University of California, Berkeley where she examined underpinnings of regional and global patterns of wildfire under current and future climates. Meg’s research group integrates field and computing studies, with expertise shared among undergraduate, graduate, and post-graduate researchers.

Matthew Powers (Forest Engr., Resources & Mgmt.)

Matt is a silviculturist in the department of Forest Engineering, Resources and Management. Silviculture deals with the science and methods of managing forests and woodlands to meet diverse objectives and values ranging from promoting the sustainable production of renewable materials from forests to conserving biodiversity, altering wildfire activity, promoting adaptation to climate change, and increasing carbon storage. Matt’s research interests are focused on understanding how different silvicultural practices influence changes in forest structure and functioning to aid in the evaluation of potential tradeoffs among diverse and shifting natural resource management objectives. As an instructor, Matt focuses on creating an inquiry-based environment that promotes critical thinking and helps students develop problem solving skills. Since originally coming to OSU in the fall of 2013, Matt has been teaching classes on silviculture, forest ecology, and general forestry. Before to his arrival at OSU, Matt was working as the project coordinator during the developmental phase of a multi-collaborator, long-term, manipulative experiment evaluating different silvicultural approaches to climate change adaptation in several forest types across the United States. Prior to that, he worked in postdoctoral position with the USDA Forest Service Northern Research Station where he studied the long-term impacts of different forest management practices on carbon storage and sequestration rates in forests of the northern Great Lakes region. Matt received a Ph.D. in Forest Science from Michigan Technological University.
**John Souder (Forest Engr., Resources & Mgmt.)**

Jon A. Souder is Assistant Professor and Specialist, Forest Watershed Extension, joining the Forest Engineering, Resources, and Management Department in October, 2015. His appointment is 70% extension, 15% applied research, 10% teaching, and 5% service. He is currently serving as Interim Director of the Watershed Research Cooperative. His research interests include riparian silviculture, prioritization of watershed restoration actions, the effects of tide gates, and salmon life cycle analysis. Prior to joining OSU, he was Executive Director of the Coos Watershed Association in Charleston, OR since 2000, and before that an Associate Professor of Forest Policy and Economics at Northern Arizona University. Prior to attending graduate school, he worked as a fisheries biologist for 10 years for three different Federal agencies, including 2 years as a Peace Corps volunteer in Nepal. He has a B.S. in Biology from Marlboro College (VT), and an M.S. and Ph.D. in Wildland Resources Management from the University of California, Berkeley, where he also had a Ciriacy-Wantrup Post-doctoral Fellow in Natural Resources Economics and Political Economy at the Haas School of Business. Dr. Souder is the author (with Sally Fairfax) of “State Trust Lands: History, Management, and Sustainable Use” (1996) in the Development of Western Resources series of the University Press of Kansas, and a dozen additional law review articles on the management of various resources on state trust lands. More recently, he authored “The human dimensions of stream restoration: Working with diverse partners to develop and implement restoration” in Stream and Watershed Restoration: A Comprehensive Guide To Planning, Implementation and Evaluation, published by Wiley-Blackwell in 2013.

**Bogdan Strimbu (Forest Engr., Resources & Mgmt.)**

Bogdan Strimbu is from the Carpathian Mountains, a place known for dark forests, Dracula, and kNN (yes, kNN was implemented in forestry by a Romanian forester teaching at Freiburg). He graduated from Transilvania University with a BS in Forest Operations (Forest Roads option). After eight years as a forest planner at the Forest Research and Management Institute, he moved to Canada where he completed his MS and PhD in Forest Resources Management at University of British Columbia. For a brief period, he worked in the Rocky Mountains, just outside Jasper National Park, in a breathtaking place. From -40° he moved to +100°, in a place where alligators rule, and the
French cuisine is at home, Louisiana. At Louisiana Tech University he developed his passion for complex forest ecosystems, non-linear dynamics, LIDAR, and unmanned aerial vehicles. His research interests are in optimization and modeling of landscape dynamic. He has an additional interest in scaling, mainly from tree to forest, using fractals and chaos theory. Some of his current projects are focused on assessment of robustness of various algorithms to parameters or inputs, such as tree segmentation from LIDAR point cloud, annealing rate in simulated annealing, or growth and yield functions in strategic planning. Application of computer vision and remote sensing technology in decision making process represents another area of his research, which is currently concentrated in estimation of product without using taper and thinning with multiple objectives.

Mariapaola Riggio (Wood Science and Engineering)

Mariapaola reached the Wood Science and Engineering Department at OSU in September 2015. She is an Architect, with a PhD in Structural Engineering. Before joining OSU, she was employed at the National Research Council of Italy, Trees and Timber Institute, the biggest Italian institute for research in the wood-forest sector. She also collaborated with the renowned Timber Engineering Group at the University of Trento, Italy. Her main expertise is in the field of the assessment and valorization of the historical and contemporary built asset. This includes the application of sensing techniques and numerical analysis for the assessment and monitoring of timber structures and the development of novel solutions for the conservation and retrofitting of existing buildings. Her current research activity is mainly devoted to the analysis of the performance of mass timber systems, for applications in sustainable, innovative buildings. In collaboration with the University of Oregon, Faculty of Architecture, she is currently involved in the development of a new curriculum that can involve students from WSE, engineering and architecture, to form a new generation of professionals that can understand the qualities and potential of renewable materials for advanced applications.
Juan Herrera (Ethnic Studies)
Juan Herrera is an assistant professor of Ethnic Studies at Oregon State University. Prior to OSU, he served as a UC President's Postdoctoral Scholar in the Chicana/o Studies department at UCLA. Trained as an interdisciplinary scholar, he completed his PhD in Ethnic Studies at UC Berkeley in 2013 and specializes in the fields of Latino immigration, comparative race/ethnicity, and urban studies. Herrera is currently working on a book manuscript entitled Care is Political: The State, Philanthropy, and the Making of Latino Nonprofits which traces the historical transformation of grassroots 1960s organizing into institutionalized agencies. His work can be found in Du Bois Review, and forthcoming in Social Justice and Latino Studies.

Marta Maldonado (Ethnic Studies)
Marta Maria Maldonado is Associate Professor of Ethnic Studies in the School of Language, Culture, and Society. Prior to her appointment at Oregon State University, Dr. Maldonado was Associate Professor of Sociology and US Latino/a Studies at Iowa State University. Her areas of scholarly focus include power and social inequality, the sociospatial politics of immigrant incorporation and integration, Latin@ Studies, and qualitative research methodologies. Her recent work has appeared in the journals Antipode, American Behavioral Scientist, and the Annals of the American Association of Geographers. Maldonado serves on the editorial board of Rural Sociology, and is the incoming Chair of the Latin@ Sociology section of the American Sociological Association.

Joshua Reeves (New Media Communications)
Joshua Reeves is an assistant professor of media and rhetoric in the School of Arts and Communication. He comes to OSU from the University of Memphis, where he was an assistant professor of Communication from 2013–2015. His research has appeared in places like Communication and Critical/Cultural Studies, Philosophy & Rhetoric, Rhetoric & Public Affairs, and Surveillance & Society. At OSU Josh will join the New Media Communications and Speech Communication programs, teaching classes in media theory, new media and society, and rhetorical theory. In addition to co-editing a special issue of Surveillance and Society, this year Josh is writing about drones and and the
automation of military technology. His first book, on surveillance and American citizenship, is under contract with New York University Press.

**Robert Figueroa (Philosophy)**

Robert comes to OSU after seven years at the University of North Texas and prior to that, eight years at Colgate University. Largely the result of his upbringing that juxtaposed the maritime culture with industrial urban poverty, he committed his philosophical acumen to practical scholarship; in particular, Environmental Justice Studies. In his discipline of philosophy, he introduced the first college course in Environmental Justice and promoted environmental justice pedagogy. In early publications, he added new dimensions from Latin@ perspectives when the Environmental Justice Movement was focusing its main critiques of environmental racism on African American communities and debating whether economics determined the underrepresentation in environmental decision-making and the inequitable distribution of environmental burdens. He has played a definitive role in expanding the conceptions of justice regarding identity, heritage, cultural perception and status, as well as alternative strategies to remedy environmental injustices at multiple scales. He has also worked on diversity in the study of science and technology in society co-editing with Sandra Harding, *Science and Other Cultures: Issues in the Philosophies of Science and Technology*, which was one of the major products of his primary investigation over an NSF grant to the American Philosophical Association. A large part of his current transdisciplinary research continues to be with Latin@ communities in the US; in addition to, indigenous populations addressing joint-management of National Parks and environmental heritage, as well as refugee populations in terms of environmental and climate refugees, conditions in refugee camps, and relocated communities.
Christopher Stout (Political Science)

Dr. Christopher Stout joins us from Southern Illinois University-Carbondale (SIU). Dr. Stout has a PhD. in Political Science from University of California, Irvine and was a Faculty Scholar at Wellesley Centers for Women at Wellesley College before joining SIU. Dr. Stout is the author of a recent book, Bringing Race Back In: Black Politicians, Deracialization, and Voting Behavior in the Age of Obama and his current research interests include minority politics, political behavior, political opinion, gender and politics, and representation. Dr. Stout will be teaching presidential politics, congressional politics, and introduction to U.S. government and politics in the Political Science program this year.

Rican Vue (Political Science)

Dr. Rican Vue joins us from University of California, Los Angeles where she received her PhD. in Higher Education and Organizational Change. She has been teaching at UCLA and the University of San Francisco since finishing her PhD in 2013. She has also been a Research Associate and Research Supervisor at Choices Research Center in Los Angeles. Her research focuses on the many different paths that minority high school students take to get to college. Dr. Vue will be teaching inequality in education for our undergraduate Sociology program as well as qualitative methods and higher education policy for the Graduate Program in Public Policy. She's looking forward to joining a growing team of researchers at OSU interested in success of non-traditional students in higher education.
Nicholas Dybek (Writing, Literature, and Film)

Nick Dybek’s first novel, *When Captain Flint Was Still a Good Man*, was the winner of the Society of Midland Authors Adult Fiction Prize, a finalist for the VCU Cabell First Novelist Award, and one of *Booklist*’s ten best debuts of 2012; it has been translated into five languages. His short fiction has appeared in such magazines as *Ploughshares* and *Granta Online*. A recipient of a Michener-Copernicus Society of America Award and a Maytag Fellowship, he received his B.A. from the University of Michigan and his M.F.A. from The Iowa Writers’ Workshop. His current writing project is a novel that takes place in the aftermath of the battle of Verdun.

Justin St. Germain (Writing, Literature, and Film)

Justin St. Germain’s teaching and research interests include the literary memoir, crime narratives, and the American West. His first book, the memoir *Son of a Gun* (Random House), won the 2013 Barnes & Noble Discover Award in Nonfiction and was named a best book of 2013 by Amazon, Amazon Canada, *Library Journal*, *BookPage*, *Salon*, *Publisher’s Weekly*, and the Pima County Public Library. It was published in French by Presses de la Cité and in the UK by Tuskar Rock Press/Atlantic Books. His writing has appeared in *The New York Times*, *The New York Times Book Review*, *the Guardian*, *Hobart*, *Barrelhouse*, and various other journals and magazines, as well as multiple anthologies, including the *Best of the West* series. He is the recipient of scholarships from the Bread Loaf Writers’ Conference and Sewanee Writers’ Conference, and was a Wallace Stegner Fellow and Marsh McCall Lecturer at Stanford University. He received his B.A. and M.F.A. from the University of Arizona. His website is [www.justinstgermain.com](http://www.justinstgermain.com).

Mila Zuo (Writing, Literature, and Film)

Mila Zuo’s research and teaching interests include international art and non-Western cinemas, body studies, race and gender studies, celebrity cultures, and contemporary film theory. She received her M.A. and Ph.D. in Cinema and Media Studies from UCLA. She is currently working on a book about body politics in contemporary Chinese cinemas, proposing that 21st century Chinese identity is an interactive and reactive media phenomenon imagined
through screen performances of sex, health, and beauty. Her essays have been published in *Journal of Chinese Cinemas* and *Celebrity Studies Journal*. Zuo has forthcoming chapters appearing in Asian cinema anthologies on the topics of “beauty capital” and Chinese film star Fan Bingbing, and resistant femininities in East Asian women's cinema. As a visual mediamaker, her video work has been reviewed in popular digital publications and she recently completed a short narrative film titled *Carnal Orient*.

**Ana Spalding (Public Policy)**

Dr. Ana Spalding joins us from the Smithsonian Tropical Research Institute in Panama. Dr. Spalding has a PhD in Environmental Studies from University of California, Santa Cruz and has held a position at McGill University in Panama. She will be joining not just the SPP but also the OSU Marine Studies Initiative, a new program to develop undergraduate and graduate programs to be delivered on both the Corvallis and Newport campuses. Her research interests include environmental management and policy as well as human geography. Dr. Spalding will be teaching policy and law of coastal governance, international marine policy, and marine policy this year. She is excited to find ways to engage OSU students in marine research off the Pacific coasts of Oregon and Panama.

**Kelsy Kretschmer (Sociology)**

Dr. Kelsy Kretschmer joins us from Southern Illinois University (SIU). Dr. Kretschmer has a PhD in Sociology from University of California, Irvine and was a Faculty Scholar at Wellesley Centers for Women at Wellesley College before joining SIU. And, now, Dr. Kretschmer is coming home: she is an OSU alum (B.A. Sociology 2003). Her current research includes social movements, gender inequality, and political sociology. Dr. Kretschmer will join a growing number of researchers at OSU interested in how social mobilization is affecting policy and politics. This year, Dr. Kretschmer will be helping teach both undergraduate and graduate research methods as well as developing a class on non-governmental organizations that will be a new addition to the curriculum.
**Beth Filar Williams**

Beth Filar Williams works at the Valley Library on OSU’s main campus as the Department Head of the Library Experience and Access department—a newly established unit that reflects the library's fundamental commitment to meeting its users' evolving needs through its physical space and services as well as its online presence. Previously, she was a tenured library faculty member and Coordinator of Library Services for Distance Learning at the University of North Carolina at Greensboro for almost seven years. Her work there included running the library’s instructional technologies team, serving as interim head of the new Digital Media Commons for a year, and developing the start of a maker-space with a grant to train librarians around North Carolina on these concepts, which concluded with a conference last February called AcadeMAKE. Beth has a master’s of Library and Information Science from the University of Maryland and a B.A. in Geography from the Johns Hopkins University Whiting School of Engineering. She has a wide range of library experience: library consultant serving all types of libraries through the Colorado Library Consortium, a Map/GIS librarian at the University of Colorado at Boulder and a middle school librarian in Howard County, Maryland.

**Mary Markland**

Mary Markland is the new Head Librarian for OSU’s Guin Library at the Hatfield Marine Science Center in Newport. The head of the Guin Library oversees the library facilities, staff and services in support of teaching and research at the Hatfield Marine Science Center (HMSC), which includes not only OSU-affiliated users, but also state, federal and visiting scientists. OSU plans to significantly expand the Marine Science Center in the future, and this position will have a unique opportunity to shape the development of library services for that initiative. “I’m excited to be able to combine my lifelong interest in the marine sciences with my professional career in library science,” says Mary, and “I look forward to the collaborative opportunities provided by HMSC and the Marine Studies Initiative.” Markland was formerly a librarian at the University of North Dakota Health Sciences Library. She earned a B.S. in Biology with a French minor from Iowa State University and an M.A. in Library and Information Studies from the University of Wisconsin-Madison. She is just the third Head Librarian in the Guin Library’s 50-year history.
Kelly McElroy has joined Oregon State University Libraries and Press as Student Engagement and Community Outreach Librarian. Kelly received her Masters of Library and Information Studies and Master of Archival Studies at the University of British Columbia. She was previously Undergraduate Services Librarian at the University of Iowa. Kelly is currently co-editing two volumes about critical pedagogy in library instruction for American College and Research Libraries Press. She has been involved with the bibliography and book award committees of the GLBT Roundtable of the American Library Association and with the Zine Librarians Interest Group.

M. Brooke Robertshaw started as an Assistant Professor and Assessment Librarian in the OSU Libraries in December 2015. The assessment librarian works throughout the library to assess different services and programs, as well as across the university to help measure the impact of the library on the university community. Brooke came to OSU Libraries and Press from Purdue University where she was a part of the Office of Institutional Assessment. While at Purdue, she worked across the university with different programs including the libraries. It was her experience working with library programs at Purdue that attracted Brooke to academic libraries. Brooke received her Ph.D. in Instructional Technology and Learning Sciences in 2013 from Utah State University. Her dissertation research was on the technological pedagogical content knowledge framework. She earned a master's degree from the University of Georgia in Instructional Technology, and her B.A. in Elementary Education from Oglethorpe University. Brooke's research interests include learning spaces, assessment in higher education, the technological pedagogical content knowledge framework, and understanding how to document the library impact on student performance. She also hopes to be able to collaborate on research with academic librarians in Palestine and Jordan.
David Dallas (Biological & Population Health Sciences)

Dr. Dallas graduated from Rice University in Houston, Texas with a BA in Public Health in 2008. He then attended graduate school at UC Davis in the Nutritional Biology Graduate Group, graduating with his Ph.D. in 2012. From 2012 to 2015, he was a post-doctoral fellow at UC Davis in the Department of Food Science and Technology. Dr. Dallas's doctoral research focused on the characterization of the human milk glycoproteins. His graduate research was funded by the Designated Emphasis in Biotechnology with the NIH Training Program in Bio-molecular Technology and the National Science Foundation Graduate Research Fellowship. Dr. Dallas's post-doctoral research funded by the USDA and the NIH K99/R00 Early Independence Award focused on characterization of milk protein digestion in infants. Methods developed allowed for the identification of thousands of naturally occurring peptides released from milk proteins by native milk enzymes. His work showed that milk enzymes continue to break down milk proteins within the infant's stomach to release functional peptide fragments. The overall aim of Dr. Dallas's research at OSU is to improve the health of premature infants, a population that suffers greatly reduced health outcomes (including early mortality, developmental disorders, and high risk of infection) in comparison with term-delivered, breast milk-fed infants. The reduced digestive capacity of premature infants results in an inability break down milk proteins in the same way as term infants. This diminished digestive function may result in the premature infant's inability to take advantage of bioactive peptides and glycopeptides encrypted in human milk proteins. Dr. Dallas aims to reveal novel solutions to monitor and aid in appropriate protein digestion in these infants.

Jonathan Garcia (Biological & Population Health Sciences)

Jonathan Garcia, PhD, is an assistant professor in the School of Biological and Population Health Sciences at Oregon State University. Dr. Garcia employs a social determinants of health framework to address vulnerabilities and health disparities that emerge in responding to infectious diseases in the United States and internationally. His work in HIV prevention centers on devising ways to mitigate stigma and foster social support to realize the promise of emerging medical prevention technologies. Dr. Garcia is also investigating how the configuration of community resources and combination prevention strategies can be effective in controlling Hepatitis C in Oregon.
Stephanie Grutzmacher (Biol. & Population Health Sciences)
Stephanie Grutzmacher, PhD, is an Assistant Professor in Nutrition in the OSU College of Public Health and Human Sciences. Dr. Grutzmacher designs, implements, and evaluates innovative nutrition education programs aimed at integrating school, community, and family contexts to improve food security and fruit and vegetable consumption among low-income populations in the United States and abroad.

Jay Kim (Biological & Population Health Sciences)
Dr. Kim received his MS in Industrial and Systems Engineering from the University of Wisconsin-Madison and PhD in Ergonomics and Biomechanics from the University of Washington. Before joining the OSU's faculty in 2015, he was an assistant professor at the Northern Illinois University for two years and a research scientist at the University of Washington. His current research interests are computer-human interaction and human vibration. He loves golfing with friends, hiking, and camping with his two sons.

Sean Newsom (Biological & Population Health Sciences)
Dr. Sean Newsom received his doctoral training at the University of Michigan in the School of Kinesiology, and his postdoctoral training in the Department of Pediatrics and the Division of Endocrinology, Metabolism and Diabetes at the University of Colorado School of Medicine. His research is focused on obesity-related metabolic diseases, namely insulin resistance and the path to type 2 diabetes. Despite significant effort to develop pharmaceuticals to effectively combat insulin resistance, lifestyle intervention (e.g. diet modification and increased physical activity) remains the gold-standard treatment. To this end, Dr. Newsom’s research is aimed at elucidating the mechanisms underlying improved insulin sensitivity following lifestyle modification – particularly exercise activity. This work involves the study of lipids as mediators of insulin resistance and the ability of exercise to significantly enhance insulin sensitivity via altered skeletal muscle lipid metabolism. The long-term goal of this work is to develop novel and effective therapeutic intervention strategies for the treatment of insulin resistance in humans. Dr. Newsom joined the faculty in the College of Public Health and Human Sciences at Oregon State University in the summer of 2015; he and
Dr. Matthew Robinson co-direct the Translational Metabolism Research Laboratory.

Yumie Takata (Biological & Population Health Sciences)
Dr. Takata joined Nutrition Program in the School of Biological and Population Sciences in the College of Public Health and Human Sciences as an Assistant Professor in Fall 2015. She received an MS degree in Nutritional Sciences from University of Hawaii and a PhD degree in Nutritional Sciences from University of Washington, Seattle. She completed a postdoctoral training in nutritional epidemiology of cancer and chronic disease at Vanderbilt University School of Medicine and collaborates with investigators from U.S., Europe and Asia. She has extensive experience in conducting nutritional epidemiological studies of a wide range of diet and disease associations (e.g., soy and breast cancer; selenium and colorectal or esophageal cancer; calcium and lung cancer; and fish or meat and total mortality) in diverse populations. Currently, her research focuses on dairy and cancer and, in particular, she is investigating the association between calcium intake and lung cancer risk in a pooled data set of almost two million participants from around the world.

Kelly D Davis (Social & Behavioral Health Sciences)
Kelly Davis is an Assistant Professor in Human Development and Family Sciences in the School of Social and Behavioral Health Sciences. She received her Ph.D. in Human Development and Family Studies at The Pennsylvania State University. After she received her Ph.D., she was a Research Assistant Professor at the Center for Healthy Aging at Penn State, as well as the project manager and co-investigator of the daily diary component of the Work, Family & Health Study (WFHS). The WFHS is a study run by a large, multi-site, interdisciplinary team known as the Work, Family & Health Network funded by NICHD, NIA, OBSSR, NIOSH, CDC, ACF, and the William T. Grant Foundation. Just prior to coming to Oregon State, Kelly was a Research and Evaluation Scientist at the Clearinghouse for Military Family Readiness, an applied research center at Penn State. At the Clearinghouse, Kelly led evaluations of military family programs. Broadly, Kelly’s research focuses on family processes and health among working families, with a special interest in military families. She often takes a micro-level approach to capture and to try to understand the underlying mechanisms connecting experiences at work.
and with family. A goal of her research is to determine policies and practices that are most effective in helping working families to manage the often conflicting demands of work and family and to prevent stress from negatively influencing individual and family well-being.

Jessica Gorman (Social & Behavioral Health Sciences)

Jessica Gorman is an Assistant Professor of Health Promotion in the School of Social and Behavioral Health Sciences. She received her PhD in Public Health (Health Behavior) from the University of California, San Diego in their joint doctoral program with San Diego State University, and her MPH from the University of North Carolina at Chapel Hill. Dr. Gorman completed post-doctoral fellowships at the University of California, San Diego in the Department of Pediatrics and at Moores Cancer Center. She conducts both qualitative and quantitative research with an emphasis on studying and improving health behavior, reproductive health, health communication, and quality of life outcomes. Her longer term objective is to develop sustainable and clinically meaningful approaches to improve the health of reproductive-aged women, and adolescent and young adult cancer survivors.

Brianne Kothari (Social & Behavioral Health Sciences)

Brianne comes to OSU-Cascades from Portland, Ore. where she held positions as a senior research associate at the Regional Research Institute for Human Services and as an adjunct instructor in the Graduate School of Social Work at Portland State University. She holds a Ph.D. in social work and social research from Portland State University and a M.A. in human development from Washington State University. Her research and scholarship focus on understanding the experiences and trajectories of at-risk populations as well as on designing, implementing and evaluating developmentally appropriate, family systems focused interventions. Brianne is currently working on one of the first RCTs focused on siblings in foster care. Her scholarship has been published in top interdisciplinary journals, and she is a 2014 NIMH Child Intervention, Prevention, and Services (CHIPS) Fellow. Brianne's career goals involve better understanding resilience-promoting factors and developing interventions that improve well-being for children, youth and families. She teaches courses in child and adolescent development, family studies, research methods, statistics and proposal writing.
Tao Li (Social & Behavioral Health Sciences)

Tao Li, M.D., Ph.D., is an Assistant Professor of Health Management and Policy in School of Social and Behavioral Health Sciences. Before joining OSU, Tao completed a post-doctoral research fellow in the Department of Preventive Medicine at the University of Tennessee Health Science Center. Tao received his Ph.D. in Health Services Research and Administration at the University of Nebraska Medical Center. Tao also received his M.D. degree and Bachelor of Engineering in Shanghai Jiao Tong University. Tao has broad interest in health services and policy research, particularly on topics which highlight the inter-disciplinary mechanism. Tao's inter-disciplinary background enables him to investigate and interpret health services, policies, and behaviors from various perspectives. Tao has conducted economic evaluation for a broad range of programs in various settings. He also has a strong interest in health care delivery innovation that can improve health outcome and experience of care in a more affordable way, such as patient-centered medical home model. He is also interested in identifying multilevel contributors to health disparities of chronic and preventable conditions.

Cynthia Mojica (Social & Behavioral Health Sciences)

Cynthia M. Mojica is Assistant Professor in the School of Social and Behavioral Health Sciences, College of Public Health and Human Sciences. Before joining OSU, she was Assistant Professor/Research in the Department of Epidemiology and Biostatistics, School of Medicine, The University of Texas Health Science Center at San Antonio. Dr. Mojica conducts health services research and program evaluation in cancer prevention and control among ethnic minority and underserved populations, particularly Latinos. Her research engages community-based organizations, health centers, and community members in the design, implementation, and evaluation of interventions designed to decrease cancer health disparities and increase access to health care. Dr. Mojica received her PhD in Health Services (now Health Policy and Management) and her MPH in Community Health Sciences from the Fielding School of Public Health, University of California Los Angeles (UCLA). She completed a post-doctoral fellowship (NIH R25 Career Development Program in Population-Based Cancer Prevention and Control) at the Jonsson Comprehensive Cancer Center at UCLA and is an alumna of the W.K. Kellogg Fellowship in Health Policy Research and the Ruth L. Kirschstein National Service Research Award (National Cancer Institute).
David Rothwell (Social & Behavioral Health Sciences)

Dr. Rothwell studies poverty with a focus on social developmental and asset-based interventions. He is especially interested in how social policies shape economic opportunities and family financial decisions. He is currently leading projects on asset poverty measurement in Canada and the U.S.; the measurement of financial capability; and understanding the financial stability of families raising children with neurodevelopmental disorders. David earned his doctorate in social welfare from the University of Hawai‘i and MSW from Tulane University in New Orleans, LA. Before joining Oregon State, David was an Associate Professor at the McGill University School of Social Work.

Afua Nyarko (Biochem/Biophysics)

Dr. Afua Nyarko is an Assistant Professor in the Department of Biochemistry and Biophysics. Her basic research combines structural and thermodynamic approaches to examine the regulation of specific tumor-promoting proteins. Dr. Nyarko earned a PhD in Biochemistry from Ohio University, in 2005. Her PhD work focused on disordered proteins and their role in protein complexes. Upon completion of her degree, she worked as a postdoctoral researcher at the University of York, in England, from 2005 – 2007, and the Department of Biochemistry and Biophysics, Oregon State University, Corvallis, from 2008 - 2012. Prior to her current appointment, she was a Research Assistant Professor in the Department.
**Elizabeth Gire (Physics)**

Dr. Elizabeth Gire is an Assistant Professor in the Department of Physics. Dr. Gire completed a B.S. in astrophysics in 2001 at the University of California at Los Angeles, followed by an M.S. in Physics in 2003 from the University of California at San Diego. She completed her physics Ph.D. in 2007 at the University of California at San Diego, studying how the disciplinary views and practices of physics majors change during their undergraduate programs. Upon completion of her degree, she worked as a research associate first at the Oregon State University Department of Physics and then at the Kansas State University Department of Physics. She worked for five years as an Assistant Professor of Physics at the University of Memphis where she also served as the undergraduate physics advisor and faculty mentor to the local chapter of the Society of Physics Students before accepting her current position at Oregon State University. Her research focuses on how students learn to make sense of physics ideas and problems and how to flexibly use multiple representations of physics ideas (equations, words, diagrams, graphs, physical manipulatives, etc.), Dr. Gire lives in Corvallis, Oregon.

**Sharmodeep Bhattacharyya (Statistics)**

Sharmodeep Bhattacharyya is an Assistant Professor in the Statistics Department of Oregon State University (OSU). He joined OSU from March, 2015. Dr. Bhattacharyya completed B.Stat and M.Stat in Statistics in 2006 and 2008 respectively at Indian Statistical Institute (ISI), Kolkata. He completed his PhD in December, 2013 at University of California at Berkeley. His PhD dissertation was on high-dimensional clustering and statistical inference on networks. Upon completion of his PhD degree, he worked for a year as post-doctoral researcher at University of California at Berkeley (UCB), doing research on statistical analysis of network data. Dr. Bhattacharyya has been the recipient of several awards while in ISI and UCB. He received the ISIAA Mrs. Iyer Gold Medal for Outstanding Achievement in M.Stat (2008), Bay Area ASA travel grant award (2012) and NSF travel grant award (2012). Current research interests of Dr. Bhattacharyya are in statistics on graphs and networks, high-dimensional data analysis, unsupervised learning including clustering and time-series based methods with applications towards genetics, neuroscience, social science, astronomy and agricultural data. Dr. Bhattacharyya has collaborated with researchers from OSU, UCB, Lawrence Berkeley National Laboratory, City University of New York, UT Austin and
University College London. Dr. Bhattacharyya has acted as a reviewer for several reputable statistical and machine learning journals and conferences. Dr. Bhattacharyya has also designed and taught a course on statistical methods for analysis of big data in OSU. Dr. Bhattacharyya currently lives with his wife in Corvallis, Oregon.

Felipe Barreto (Integrative Biology)
Dr. Felipe Barreto joined the Department of Integrative Biology in the Fall of 2015 as an Assistant Professor. He completed a B.S. in Zoology at the University of Florida (2001), followed by an M.S. in Marine Biology at the University of North Carolina at Wilmington (2003), where he studied behavior and population genetics of coral reef fishes. Dr. Barreto then received a Ph.D. in 2009 from the University of California, Irvine, researching mating behavior and parental care in marine arthropods. After completion of his doctoral degree, Dr. Barreto worked as a postdoctoral researcher and project scientist at the Scripps Institution of Oceanography, in La Jolla, CA. During that period, he developed his current interests in the evolution of mitochondrial physiology, and his work incorporates genetics, genomics, and computational approaches to investigate evolutionary adaptations in marine animals. He enjoys long walks in Willamette Park, the color gray, and rocking out to Led Zeppelin and Pink Floyd. He currently lives in Corvallis with his wife, Camila the cat, and Jorge Posada the corn snake.

Molly Burke (Integrative Biology)
Molly Burke arrived at OSU in September 2015 and is an assistant professor in the Integrative Biology Department. Dr. Burke received her B.S. in organismal biology from UCLA in 2004. She then attended the University of California, Irvine to pursue graduate work in evolutionary biology and completed her Ph.D. in 2010. Her doctoral work explored the genetics of adaptation in experimental populations of the fruit fly Drosophila melanogaster. She held postdoctoral positions at UC Irvine and UC San Diego, where she continued to test hypotheses about evolutionary genetics using the model organism Saccharomyces cerevisiae (brewer’s yeast). Dr. Burke has been supported by the NSF as a graduate STEM Fellow in K-12 education, and she is committed to teaching excellence and improving scientific communication. Her research has been published in high-impact journals.
including *Nature, Genetics,* and *Molecular Biology and Evolution,* and has been featured in the *New York Times.* Dr. Burke lives in Corvallis.

**Benjamin Dalziel (Integrative Biology)**

Benjamin Dalziel joined OSU in 2015 as an Assistant Professor in the departments of Integrative Biology and Mathematics. Dalziel completed a B.Sc. in Zoology in 2004 at the University of Guelph, followed by an M.Sc. in Integrative Biology from the same institution in 2006, studying the mobility patterns of elk in response to landscape patterns and memory. Dalziel completed his Ph.D. in 2014 at Cornell University, studying the influence of collective animal behavior on population dynamics, using a mixture of empirical and theoretical approaches. Following his Ph.D., Dalziel was a Postdoctoral Research Associate with Jessica Metcalf and Bryan Grenfell in the department of Ecology and Evolutionary Biology at Princeton University, working on predicting epidemics of infectious diseases using data on the spatiotemporal and demographic structure of host populations. At OSU, the Dalziel lab works at the interface of theory and data in population biology, with the goal of building simple mathematical models that can predict the growth and diversification of real populations, which are complicated. Dalziel lives in Corvallis, Oregon.

**Cynthia Sagers (Integrative Biology)**

A biological scientist by training, Dr. Sagers earned two bachelor’s degrees from the University of Iowa and a Ph.D. from the University of Utah. She launched her academic career in 1994, joining the faculty of the University of Arkansas, where she has remained except for leaves of absence to work on leadership initiatives. She has served as the Vice President for Research since August 31, 2015. She previously served as the Vice Provost for Research and Economic Development at the University of Arkansas. As Vice President, Sagers provides leadership to OSU’s vast research enterprise, which last year brought in $285 million in research grants and contracts in areas including agriculture, forestry, marine sciences, public health, and engineering. Sagers also works with academic leaders and the University community to expand OSU’s entrepreneurial and economic development activities with industry and other public and private partners.
James Anthony Strother (Integrative Biology)

Dr. Strother joined Oregon State University in 2015 as an Assistant Professor in the Department of Integrative Biology. He earned his bachelor’s degree in physics from UC-Berkeley in 2005. He continued his studies at UC-Irvine, where his graduate research focused on the biomechanics and respiratory physiology of fishes. He earned his Ph.D. at UC-Irvine in 2011, and then joined the Janelia Research Campus, Howard Hughes Medical Institute as a post-doctoral fellow. At Janelia, he examined the neural circuits in the visual system using the model organism *Drosophila* (fruit flies). His current research focuses on the neural circuits that control physiological systems in vertebrates using zebrafish as a model system. This work utilizes a multidisciplinary approach and a wide range of tools, including *in vivo* calcium imaging, optogenetic manipulations, computational modeling, and quantitative behavioral assays.