

2019 Community Engagement Conference

Partnering for a Resilient and Sustainable Future

Presentation Descriptions

Designated as a Carnegie community-engaged institution, The Ohio State University is reaffirming its land-grant covenant with the people of Ohio, the nation and the world via meaningful partnerships that make a measurable impact on resolving the issues of our time.

“For nearly 150 years, our mission has been to elevate our communities through the creation and dissemination of knowledge,” said Ohio State President Michael V. Drake. “Through this one-of-a-kind event, Ohio State will focus on expanding our engagement and scaling our efforts to address issues that affect us all.”

Conference attendees will attend professional development and networking opportunities related to supporting health and wellness in communities, while also exploring new potential engagement partnerships.

The 2019 Community Engagement Conference is made possible by ENGIE-Axium and Ohio State’s Office of Outreach and Engagement, OSU Extension, Wexner Medical Center, Sustainability Institute, Alumni Association, Corporate Engagement Office, Discovery Themes Initiative, Graduate School, Office of Government Affairs, Office of International Affairs, Office of Research, Office of Student Life, Office of Undergraduate Education, and the Ohio Water Resources Center.

Presentation Session Times

Breakout Session 1: Wednesday, January 23 ▪ 9:45–10:45am

Breakout Session 2: Wednesday, January 23 ▪ 11am–12pm

Breakout Session 3: Wednesday, January 23 ▪ 1:45–2:45pm

Breakout Session 4: Thursday, January 24 ▪ 9:30–10:30am

Breakout Session 5: Thursday, January 24 ▪ 10:45–11:45am



THE OHIO STATE UNIVERSITY

The Ohio State University is committed to building and maintaining a diverse community to reflect human diversity and improve opportunities for all. [Nondiscrimination notice](#)

The Earned Income Tax Credit: Sustainable Poverty Alleviation in Research and Practice

The Earned Income Tax Credit (EITC) is the largest anti-poverty program in the United States, and reaches nearly one million Ohio families every year. Many low-income families are able to access the credit thanks to the Volunteer Income Tax Assistance (VITA) program, which provides free tax preparation services in partnership with community organizations across the country. Two highly successful VITA sites are operated by Ohio State's Fisher College of Business and Moritz College of Law, where student-volunteers help more than 250 Columbus-area families file their taxes every year. We will provide an overview of the EITC and VITA programs, review important research demonstrating how the EITC has led to sustainable economic well-being for families, and discuss the successes and challenges of developing and operating a student-powered VITA clinic.

Presenters: **Lauren Jones** – assistant professor, Ohio State Department of Human Sciences, and OSU Extension;

Susan Colbert – OSU Extension program director, community and economic development, Franklin County

Institution-Supported Agriculture (Buckeye ISA):

Addressing Neighborhood Food Security at the Family Level

The Buckeye ISA project started with ambitious goals to address identified significant neighborhood challenges faced not only in Columbus, but also in many other communities. Learn how this project developed partnerships with community organizations including the City of Columbus, Mid-Ohio Foodbank, Lowe's Corporation, Scotts-Miracle-Gro, OSU Extension, and InFACT to provide the human and social capital needed through coordinated technical training and support. Discuss how leveraging existing assets and developing new partners grew into a network of producers in disadvantaged communities and addressed needed inputs in land access, fresh produce production, processing and food safety, logistics and distribution, business acumen and leadership skills.

Presenters: **Casey Hoy** – faculty director, Initiative for Food and AgriCultural Transformation (InFACT); **Timothy McDermott** – OSU Extension educator, Franklin County; **Angela Latham** – program coordinator, Initiative for Food and AgriCultural Transformation (InFACT)

Urban Housing Built for All, The Lasting Impact of Age-Friendly Design Principles

Currently, the average home lasts for 90 years. Most current home designs do not address, incorporate, or consider universally designed features – features that can ensure age-friendly solutions. These solutions support physical, social, or cognitive needs of residences and their visitors, regardless of age. As a result, we are not addressing the lifetime needs of home buyers, and therefore not building sustainable solutions. We will address the work current researchers and academic practitioners are researching, publishing, and advocating – ideas which address age-friendly practices. We will stress the need for (and provide examples of) collaboration between universities, community-based organizations, and businesses. We will also offer solutions which can address this near-future housing crisis.

Presenters: **Adam Fromme** – principal, The Center for Inclusive Aging and Design Research, and lecturer, Ohio State Department of Design; **Emily Valentine** – principal, The Center for Inclusive Aging and Design Research, and lecturer, Ohio State Department of Design

Regenerative Cultures and Resilient Communities (RCx2) Hub

(30-minute session ■ 9:45-10:15am)

The Regenerative Cultures and Resilient Communities Hub (RCx2) is an emerging network of interdisciplinary faculty, staff, and external partners who work through a shared ethical development process. This process posits that capacity is a two-way experience. The capacity of the community and in-country partners is as valid as the need for assessment and building of capacity at Ohio State to effectively and ethically participate in the GSL space. This should not be a hierarchical process, but rather a networked one that can be replicated and scaled out through a package of core content and context knowledge through a horizontal series of relationships in the partnered communities and within our Ohio State community. The RCx2 will research the effectiveness and scalability of the shared ethical development process across contexts. Its consolidated set of curriculum proactively draws upon the diverse pool of disciplinary experts at Ohio State at various layers of the FEWS-health nexus.

Presenters: **Santina Contreras** – assistant professor, city and regional planning, Ohio State Knowlton School of Architecture; **Joe Campbell** – lecturer, Ohio State School of Environment and Natural Resources, and director of the Environmental Professionals Network; **Xiaofeng "Denver" Tang** – assistant professor of practice, Ohio State Department of Engineering Education; **Tony Duke** – international development worker, cultural activist, and visiting scholar, Queensland University of Technology (Australia)

Partners in Plastic Reduction

(30-minute session ■ 10:15-10:45am)

Plastic pollution is everyone's problem, and it is time we join together to find a solution. Through research and outreach programs targeted at behavior change, Ohio Sea Grant and Stone Laboratory, along with local partners, are leading the effort to reduce plastic pollution in Ohio's waters. Several research and outreach programs have been initiated to work with consumers to reduce their use of single-use plastics and ensure proper disposal of any waste item. The first project works with a local grocery store to implement and pilot the effectiveness of reminder strategies in the parking lot and inside the store to encourage customers to remember to use their reusable bags. The second project will initiate an island-wide outreach and awareness program at Put-in-Bay. Ohio Sea Grant and Stone Laboratory will educate tourists visiting the island on the hazards of single-use plastics and offer suggestions for reducing consumption.

Presenters: **Jill Bartolotta** – OSU Extension educator, Ohio Sea Grant; **Scott Hardy** – OSU Extension educator, Ohio Sea Grant; **Susan Bixler** – educator, Stone Laboratory

Outreach Engagement on Controversial Public Issues

To remain relevant, outreach educators occasionally must engage the public on topics that address controversial public issues. This applies to all program areas. Examples include: teen pregnancy, divorce, global climate change, use of pesticides, youth at risk, and opioid addiction. Outreach professionals can find themselves in a position where they are uncomfortable deciding what their role should be regarding these topics. This presentation takes the uncertainty and guesswork out of identifying precise roles for the outreach educator in addressing controversial public issues. Participants will be given a framework for how to address public issues based on three criteria and then further subdivided by role/program activity involving content expertise versus process expertise. The results help an outreach educator identify an appropriate activity and form partnerships based on specific criteria surrounding the public issue and the professional's area of specialization.

Presenter: **Thomas Blaine** – associate professor, OSU Extension

Publishing Engaged Scholarship

Marybeth Lima is the editor of the *Journal for Community Engagement and Scholarship* as well as the Cliff & Nancy Spanier Alumni Professor in Biological and Agricultural Engineering at Louisiana State University. Dr. Lima will give an overview on the benefits of publishing your engaged scholarship, provide publishing advice, and go over the mission of the *Journal for Community Engagement and Scholarship*.

Presenter: **Marybeth Lima** – Cliff & Nancy Spanier Alumni Professor in Biological and Agricultural Engineering, Louisiana State University

Practical Climate Change Resources from Municipal Government, Agriculture, and Health Care

We will share our experiences working collaboratively with municipal and regional government, the agricultural community, and health care to inform populations about climate change and develop tools to increase climate resilience. Ongoing partnerships, which involve conversations between a diverse array of researchers and practitioners, will be shared. Learn about readily available resources and methods that may be employed in a range of professional and nonprofit settings to increase climate resilience.

Presenters: **Jason Cervenec** – education and outreach director, Byrd Polar and Climate Research Center/State Climate Office; **Aaron Wilson** – researcher, Byrd Polar and Climate Research Center, and OSU Extension educator; **Aparna Dial** – sustainability consultant, Ohio State Wexner Medical Center; **Lauren Koch** – associate director, Climate and Health Practice, Practice Greenhealth and Health Care Without Harm

Elders Matter: Career Training to Serve Aging Ohioans

(30-minute session ■ 9:45-10:15am)

The shortage of qualified long-term care employees, a negative stigma surrounding working with the aged, and the projected exponential increase in the aging population in Ohio has converged to create a complex challenge in the elder care industry. Ohio State's Alber Enterprise Center vowed to combat these challenges and improve the quality of care for Ohio's seniors. In 2017, they successfully piloted the non-credit Elder Care Certificate (ECC) program for front-line, non-clinical staff in long-term care and residential communities. To prepare the current and future workforce for rewarding careers in elder care, Alber is now rolling out a licensed version of ECC with the opportunity for outside trainers to become certified to teach it. Learn how you can become part of the movement to improve the lives of elders in senior living communities!

Presenters: Anne Johnson – senior organization development consultant, Ohio State Alber Enterprise Center; **Myra Wilson** – director, Ohio State Alber Enterprise Center

Town and Gown – A Community's Effort Toward a Safe and Sustainable Neighborhood

(30-minute session ■ 10:15-10:45am)

The Ohio State University Office of Student Life and Columbus Division of Fire have partnered for the last five years to provide comprehensive safety and sustainability education to thousands of Ohio State students. Learn about the lessons learned after the first five years of this innovative program and strategies the team used to create a more sustainable program that will ultimately benefit the well-being of the community. Attendees will be able to strategize for implementation and improvement of their community-focused programs.

Presenter: Marisa Lally – program manager, Ohio State Off-Campus and Commuter Student Services

Breakout Session 2: Wednesday, January 23, 2019 ■ 11am-12pm

Sustainable2050: Central Ohio Communities Working Toward a Better Future

As soon as 2050, central Ohio may be a region of three million residents. How does it accommodate growth yet maintain a balance of social, environmental and fiscal well-being? Sustainable2050 is an initiative of the Mid-Ohio Regional Planning Commission designed to meet that challenge by supporting local governments' and partner organizations' sustainability efforts through technical assistance, collaboration, and recognition. Sustainable2050 members track their progress toward the goals and objectives of the Regional Sustainability Agenda, the guiding document for MORPC's sustainability-focused programming. Together, we gain a deeper understanding of how all efforts make a collective impact on the quality of life in central Ohio. Learn how the novel approach of Sustainable2050 has led to early successes for the program and its members. Also learn how to adapt Sustainable2050 to your organization, along with lessons learned and next steps.

Presenters: Kerstin Carr – director, planning and environment, Mid-Ohio Regional Planning Commission; **Andrew Kistler** – director of property management, Columbus Metropolitan Library; **Hon. Karen Angelou** – council member at-large, City of Gahanna; **Justin Milam** – planning officer, City of Upper Arlington

Harvesting Health in the Heartland: Partnering for a More Sustainable, Equitable Food System

(30-minute session ■ 11-11:30am)

Produce Perks is Ohio's statewide nutrition incentive program, guided by the Ohio Nutrition Incentive Network (OH-NIN). Nutrition incentives are an evidence-based model supported by the USDA through the Food Insecurity Nutrition Incentive (FINI) grant program within the 2014 Farm Bill. OH-NIN consists of organizations including Produce Perks Midwest, the Cuyahoga County office of OSU Extension, Countryside Conservancy, Farmers' Market Association of Toledo, Farmers' Market Management Network, Ohio Department of Health, Ohio Grocers Association, The Prevention Research Center for Health Neighborhoods at Case Western Reserve University, Wholesome Wave, and more than 85 Ohio farmers' markets. Together, OH-NIN has worked to address food insecurity and healthy food access issues while supporting small to mid-sized farms and benefiting local economies. In 2017, Produce Perks generated more than \$300,000 in Supplemental Nutrition Education Program (SNAP)/Produce Perks sales to Ohio farmers and local food producers.

Presenters: Amanda Osborne – OSU Extension educator, community development, Cuyahoga County; **Ana Bird** – statewide program coordinator, Produce Perks Midwest; **Tevis Foreman** – executive director, Produce Perks Midwest

Resilient and Sustainable Nutrition Networks: Celebrate Your Plate and Ohio SNAP-Ed's Nutrition Education and Outreach for Low-income Ohioans

(30-minute session ■ 11:30am-12pm)

Ohio ranks 10th in food insecurity in the United States, and low-income families with children are among the most vulnerable populations. SNAP-Ed (the Supplemental Nutrition Assistance Program – Education) serves a SNAP-eligible audience by providing nutrition education to improve health outcomes. Work on a SNAP-Ed social marketing campaign, Celebrate Your Plate (CYP), began in early 2016 with members of the State Nutrition Action Committee (SNAC). The goal of the campaign is to sustainably increase fruit and vegetable consumption for SNAP-eligible families with children and improve their nutritional outcomes by improving overall diet quality. In summer 2018, the Altarum Institute was hired to evaluate the first year of CYP. After more than 1,000 phone interviews with the target audience, Altarum was able to definitely say that fruit and vegetable consumption increased in the target audience after exposure to the Celebrate Your Plate campaign.

Presenters: **Elizabeth Husted** – SNAP-Ed program coordinator; **Ana Claudia Zubieta** – SNAP-Ed director, OSU Extension, family and consumer sciences; **Brian Butler** – program evaluation director, OSU Extension; **Alisha Ferguson** – program assistant, SNAP-Ed, OSU Extension, family and consumer sciences

Caring for Self + Caring for Others = Resilient and Sustainable Communities

To have a resilient and sustainable future, we must take care of ourselves, our partners, and our communities. At Champion Intergenerational Center, a university-community collaboration, Ohio State works with Columbus Early Learning Centers and National Church Residences to create a place where all generations are engaged, feel valued, and find purpose. An integral part of our program is the practice of self-care and identifying ways to build community. We believe that preparation for any path requires not only external practices, such as effective client interviews or program design, but also internal practices of self-care and examining our own unconscious bias. Success requires the continual integration of these external and internal skills. Learn about the specific practices we use with students, staff, and participants to support one's growth in the area of caring for ourselves and others to create a resilient and sustainable community.

Presenters: **Elizabeth Speidel** – intergenerational program manager, Ohio State Champion Intergenerational Center; **Cynthia Dougherty** – director, Ohio State Office of Geriatrics and Interprofessional Aging Studies

Mapping Opportunities for Collective Engagement: A Hands-on Workshop

In an effort to build more concrete connections and externalize collaboration opportunities that may (or may not yet) currently exist at the university and in our community, we invite participants to join us in collectively building a large-scale wall map. Together, we hope to cultivate sustainable partnerships by visualizing the current (and future) landscape of collaboration.

Presenters: **Elizabeth Sanders** – associate professor, Ohio State Department of Design; **Erika Braun** – co-founder, Collective Design Initiative; **Sapna Singh** – design researcher, Collective Design Initiative

Aligning Resources to Support Central Ohio's Sustainable Energy Future

Led by the Franklin County Board of Commissioners and conducted by the Mid-Ohio Regional Planning Commission (MORPC), the Franklin County Energy Study provides further understanding of how the county produces and consumes energy, and the impact energy has on communities. This process assumed a collaborative approach, including an advisory committee of community representatives, to guide the analysis and deliver a product that can be engaged in both the private and public sectors to implement a shared vision for central Ohio. An additional recommendations document illuminates how to continue the successes experienced in the county and rectify the issues identified. The recommendations identified opportunities to keep an additional \$509 million of energy expenditures within the local economy every year and realize up to \$348 million in annual consumer savings for Franklin County residents and businesses.

Presenters: **James Schimmer** – director, Franklin County Commissioners Economic Development and Planning; **Jon-Paul d'Aversa** – energy planner, Mid-Ohio Regional Planning Commission, Franklin County energy student author; **Alana Shockey** – assistant director of sustainability, City of Columbus; **Jeremy Druhot** – manager of programming and projects, Columbus-Franklin County Finance Authority

In a Time of Crisis: Higher Education Community Engagement and Volunteer Programming in Disaster Situations

A recent spate of natural disasters has directly affected the United States and the people who live here. The flooding of Hurricane Harvey was responsible for more than 80 deaths and billions of dollars in damage; and Hurricane Florence recently caused even more death and damage across the East Coast. A common refrain from Student Affairs and Higher Education professionals (especially among those in community engagement) in the immediate aftermath of these disasters is “How do we help?” This program is designed to pull together research and information from different university disciplines to craft a common thread of understanding when it comes to how to react in these situations.

Presenter: Connor Jones – program coordinator for Buck-I-SERV, Ohio State Office of Student Activities

Ohio Faith Communities Fostering Environmental Sustainability (Ignite Session A ■ 11-11:05am)

Learn about results of an autumn 2018 "Religion and the Environment Photo Contest" that asked Ohio faith communities to use photographic images to describe their work to build sustainable and resilient communities. Greg will present the winning contest photos, and he will describe the main themes and traditions that have animated faith community sustainability work in Ohio and beyond during the past decade. The combination of these elements provides an inspiring overview of the basic character, challenges, and opportunities of faith-based sustainability work, and suggests multiple pathways by which university-community partnerships can enhance the well-being of Ohio communities.

Presenter: Gregory Hitzhusen – assistant professor of professional practice, Ohio State School of Environment and Natural Resources

The Ohio Interagency Forestry Team: Partnering to Enhance Resiliency through Shared Stewardship (Ignite Session A ■ 11:05-11:10am)

Since 2008, the Ohio Interagency Forestry Team has addressed forest health issues. Founding team members included the U.S. Forest Service, Natural Resources Conservation Service, and Ohio Department of Natural Resources. The team collaborates to conserve oak-hickory ecosystems through shared stewardship based on science and economically viable forest management. Currently, the focus is on reversing the decline in the oak-hickory forest ecosystem in Appalachian Ohio. Extension is leading outreach and engagement efforts like A DAY in the WOODS to encourage woodland owners to sustainably manage their woodland resources. This collaborative effort is beginning to demonstrate the power of collaboration on a large scale. We are looking to broaden the scope of this project by bringing on additional partners. Learn how you can help us have a positive impact on Appalachian Ohio's forests and communities.

Presenters: David Apsley – OSU Extension specialist, natural resources; **Jamie Dahl** – forestry outreach coordinator, Central State University Extension

Massive Waste Diversion from Landfill During Move-out from Residence Halls (Ignite Session A ■ 11:10-11:15am)

Our ignite session will include a summary of our annual Dump&Run event along with statistics from other universities with similar programs and a comparison of success among student-involved, move-out waste diversion. It will also include challenges we've faced due to recent changes in resources previously provided by the university, and why those resources are essential to our mission and to carry out this project. We will discuss previous community partnerships and how those particular partnerships influenced the success of the Dump&Run event. We will discuss the importance of community engagement and how both parties benefit from events like ours. We also will discuss responsibilities on both parts of the partnership and what Dump&Run specifically needs for the upcoming annual sale. This 14-year-old event is proven to be effective in diverting waste and can be beneficial to community-based organizations that provide used goods.

Presenter: Hailey Hayes – president, Ohio State Students for Recycling

Center for Human-Animal Interactions Research and Education

(Ignite Session A ■ 11:15-11:20am)

Human-animal interactions (HAI) are an integral part of society and have become the topic of many discussions across a variety of contexts, including: media, scientific research, food production, one health, conservation, and welfare and behavior. Many argue that the resilience and sustainability of our societies are dependent on these interactions; therefore, making our improved understanding a priority. The Center for Human-Animal Interactions Research and Education (CHAIRE) is a new trans-disciplinary academic endeavor to explore the topic of HAI through research, education, and outreach. CHAIRE expands beyond companion animals and equine to also include food animals, wildlife, and exotic animals. CHAIRE provides the venue for community partners and researchers to identify and address opportunities and challenges in current and future human-animal interactions, with the goal of improving the welfare of both the human and non-human animal.

Presenter: Kelly George – assistant professor, professional practice, and co-director of CHAIRE, Ohio State Department of Animal Sciences

Worker Ownership: Sustainable Economic Development through the Cooperative Model

(Ignite Session A ■ 11:20-11:25am)

Cooperative businesses create a resilient and sustainable future for worker-owners – with long-term employment and opportunities for career advancement; particularly for individuals in distressed economies and service industries. Worker-ownership also empowers people, improves their quality of life, and enhances communities in which they live and work. We will present best practices of working together to support economic development. Using Unity Coffee and Teahouse, Parkersburg, West Virginia's first worker-owned cooperative, as a model, we will inspire educators, students, business and community developers to collaborate for greater impact. Learn about the value of diversity in partnerships and best practices of engaged service to achieve a shared goal. **Presenters: Hannah Scott** – program manager, CFAES Center for Cooperatives; **Ivory Harlow** – program specialist, CFAES Center for Cooperatives

Resiliency and the Environmental Sustainability Professional

(Ignite Session A ■ 11:25-11:30am)

Practitioners seeking an appropriate application of an environmental sustainability paradigm to 21st century global development challenges and opportunities must cultivate a significant range of professional and personal skills (Wahl 2016). Explore the concept of resilience as it relates to careers and to living the life of a specialist in the field of environmental sustainability. Resilient professionals should reflect deeply on their motivations to participate in the sustainability movement to effectively work collaboratively to co-design and co-apply locally appropriate solutions. This content is strongly influenced by experiences drawn from Ohio State's Environmental Professionals Network (EPN) linked to leading-edge work on how to design regenerative cultures and facilitate regenerative development that harmonizes human and natural system processes (Mang and Reed 2017). **Presenter: Joe Campbell** – director, Ohio State Environmental Professionals Network

Impactful Engagement: Successful Strategies for Working with Urban Teens

(Ignite Session A ■ 11:35-11:40am)

The Urban GEMS (Gardening Entrepreneurs Motivating Sustainability) is a positive youth development program that uses gardening to improve outcomes for urban youth participants. The Urban GEMS program was designed to address the well-documented link between food insecurity and school failure at a neighborhood level. Addressing both the educational and nutritional (basic needs) of young people growing up in economically challenged environments requires new thinking. Urban GEMS features project-based learning and youth leadership opportunities, which include tackling real and significant challenges facing the African American community. This ignite session will provide highlights of engagement strategies, effective lesson plans, effective event highlights, and preliminary outcome data associated with participation in Urban GEMS.

Presenter: Deanna Wilkinson – associate professor, Ohio State Department of Human Sciences

Opening Up the Manure Application Window in a Sustainable Approach

The application of liquid swine finishing manure to farm fields represents a significant expense for livestock producers despite the nitrogen, phosphorus and potash contained in the manure. In the Western Lake Erie Basin of Ohio, an area more than three million acres in size, surveys have shown that approximately half of the livestock manure generated annually is applied in the fall after crops are harvested. (Zhang et al., 2015) This allows much of the manure nitrogen to be lost to leaching before the following crop season. The incorporation of swine finishing manure directly into a growing corn crop with a manure tanker has proven to provide corn yields similar to commercial fertilizer (Arnold et al., 2017). Soil compaction was a concern with the heavy manure tanker. Using a drag hose to incorporate the manure into emerged corn should overcome the soil compaction concern and allow the corn crop to utilize the available nitrogen in the swine finishing manure.

Presenters: **Samuel Custer** – OSU Extension educator, agriculture and natural resources, Darke County;
Glen Arnold – OSU Extension field specialist, nutrient management

Serving Up Change: A Food Ethics Workshop

This workshop will help nonprofit institutions develop inclusive dialogue with constituents around food values. Partnerships with Extension or public health can facilitate these engagements. At the end of the workshop, individuals will be charged and equipped with leading initiatives in their locale.

Presenters: **Dan Remley** – associate professor and OSU Extension field specialist; **Glennon Sweeney** – senior research associate, Kirwan Institute for the Study of Race and Ethnicity at Ohio State; **Karima Samadi** – OSU Extension program coordinator; **Tannya Forcone** – graduate research assistant, Kirwan Institute for the Study of Race and Ethnicity at Ohio State

Preventing Suicide Through Community Partnerships

Suicide is a preventable tragedy. The Ohio State University Suicide Prevention Program (OSU SPP) seeks to address the epidemic of college campus suicide by mobilizing campus partnerships to cultivate a community of caring and reframe suicide as a shared campus responsibility. OSU SPP collaborates with more than 70 campus groups and support services in key partnerships. These interprofessional relationships facilitate open communication and a cohesive approach to reaching at-risk students. OSU SPP's committed involvement to student development reflects an emphasis on infusing peer support into the student community, embedding suicide prevention advocates in spheres that students in crisis are most likely to turn for assistance. OSU SPP engages in grass-roots approaches to recruit partners and stakeholders in the campus community in suicide prevention, providing suicide gatekeeper trainings and unique screening programs to target at-risk student populations.

Presenters: **Sarah Clapp** – graduate administrative assistant, Ohio State Suicide Prevention Program; **Shelby Messerschmitt-Coen** – graduate administrative assistant, Ohio State Suicide Prevention Program, Ohio State Office of Military and Veteran Services; **Maria Lammy** – graduate administrative assistant, Ohio State Suicide Prevention Program

Design Thinking: An Innovative Approach to Program Design

Design thinking is an innovative approach to program or product design that includes five stages: empathize, define, ideate, prototype, and test. This workshop-style session will provide participants with an introduction to design thinking, examples of how it is currently being implemented in higher education, and many hands-on design-thinking activities for an immersive experience. Participants will leave with a better understanding of the non-linear process necessary for designing solutions to complex challenges and opportunities. They will be armed with activities to utilize right away in their work with colleagues, partners, and community members. Additional information will be provided for continued learning and development opportunities in design thinking.

Presenter: **Danae Wolfe** – OSU Extension educational technology specialist

Sustaining a Welcoming Community: A Multifaceted Approach in Rural Nebraska (30-minute session ■ 1:45-2:15pm)

Learn more how small institutions and communities can collaborate to provide a supportive and welcoming environment. As faculty members of the Department of Modern Languages at Doane University – a small liberal

arts university, one of our department's goals is to promote intercultural experiences for our students and engage them in the community. We do so through sustained points of contact with community members and organizations, collaborating with the public school system, city government, local churches, and other members of the community and university. Following collaborative and experiential learning models, the result is a dialogic, polydirectional, mutually beneficial relationship. We will share what a framework looks like for engaged teaching, service, and scholarship in a welcoming committee. We will also detail some of the successes and challenges associated with such work.

Presenters: **Jared List** – assistant professor of Spanish, Department of Modern Languages, Doane University; **Kristen Hetrick** – associate professor of German/department chair, Department of Modern Languages, Doane University; **Josh Pope** – assistant professor of Spanish, Department of Modern Languages, Doane University

Classroom as Incubator: A Model for Interdisciplinary App Development

(30-minute session ■ 2:15-2:45pm)

The Ohio State University President and Provost's Council on Sustainability made a commitment to double the overall tree canopy by 2025. This inspired students in an Art-Science course, to create an interactive artwork that visualized the future trees as virtual apparitions in augmented reality. When the prototype project was seen by staff at the Chadwick Arboretum, ASC Technology Services, and the Center for Regional and Urban Analysis, it sparked ideas for an expanded app that would include interactive engagements with trees on campus. With the students, we have shaped the goals of the project: to increase cultural, emotional, and scientific appreciation of trees by creating a publicly available app that encourages playful interactions with the tree data. We believe this research will generate conversations across disciplines about how data is experienced, and how trees are valued culturally and scientifically.

Presenters: **Amy Youngs** – associate professor, art, Ohio State College of Arts and Sciences; **Andrew Frueh** – instructional lab supervisor, art, Ohio State College of Arts and Sciences; **Iris Meier** – professor, molecular genetics; **Kim Landsbergen** – visiting research scholar, Ohio State Department of Evolution, Ecology, and Organismal Biology

RED (Rhythm, Exercise, Dance) Fitness: Harnessing Creativity and Building Meaningful Partnerships through the Needs Assessment

(Ignite Session B ■ 1:45-1:50pm)

Dr. Ruggiero draws on her experience with the needs assessment for RED (Rhythm, Exercise, Dance) fitness to ignite us to think about how we might harness the creative potential of community partnerships. In collaboration with the YMCA, RED fitness is a holistic and cross-cultural health and wellness program and experience that encompasses mindfulness, aerobic and anaerobic exercise, dance, and education to better integrate the mind and body and the individual and collective. Open to all, it specifically engages the Latino and other local immigrant populations in an effort to improve social conditions in targeting individual health and wellness goals, fostering cross-cultural exchange, and increasing positive visibility of immigrants in the community. RED fitness, in its objectives, goals, and current form, reflects the diverse needs and interests of the stakeholders.

Presenter: **Diana Ruggiero** – associate professor, University of Memphis

Cultivating Community Relationships through Project-Based Learning

(Ignite Session B ■ 1:50-1:55pm)

Drs. Nate Jackson (philosophy) and Sherry Mong (sociology) will describe a transdisciplinary pedagogy that combines project-based learning with best practices in community engagement. Extending Capital University's commitment to partnering with community members in the Near East and Driving Park neighborhoods of Columbus, students in ethics and sociology classes work with community partners to co-define and produce an artifact over the course of a semester. Their experience with community partners serves as a fulcrum for deep reflection and application of concepts they learn in their coursework.

Presenters: **Nate Jackson** – assistant professor of philosophy, Capital University; **Sherry Mong** – associate professor of sociology and criminology, Capital University

Wow! Seven Trends That will Impact Extension Professionals in the Next Five Years.

(Ignite Session B ■ 1:55-2pm)

A quick session that provides information on key trends and issues that will impact Extension professionals during the next five years.

Presenter: Jerold Thomas – associate professor/leader, Innovation and Change, Ohio State Department of Agricultural Communication, Education, and Leadership

EFNEP: Celebrating 50 Years of USDA-NIFA Funded Nutrition Education

(Ignite Session B ■ 2-2:05pm)

In 2019, the Expanded Food and Nutrition Education Program will celebrate 50 years of effective, evidence-based, nutrition education programming in communities throughout the United States. Learn about the program history, purpose, strengths, impacts, and partnerships (nationally and locally, past and present), and how EFNEP has played a role in building well-connected communities for the past 50 years. Learn how the program contributes to improving social, economic, and environmental conditions by providing free nutrition education to limited-resource families (thus cultivating a culture of health). In doing so, we also promote skills to enrich healthy relationships and strengthen families, because healthy families are strong families. EFNEP changes lives, families, communities, and organizations, and we want to celebrate these accomplishments!

Presenters: Amy Habig – OSU Extension program specialist, EFNEP; **Amy Hollar** – OSU Extension program specialist, EFNEP; **Nancy Lyons** – OSU Extension program specialist, EFNEP; **Kristen Matlack** – OSU Extension program specialist, EFNEP

Engaging the Community: Empathizing with Refugees through Art Museum Interpretation

(Ignite Session B ■ 2:05-2:10pm)

How do you engage with communities without in-person facilitation? How can text and other forms of engagement appeal to the community? How can you allow the community's voice to permeate in your organization? In this session, we will explore strategies to increase accessible community engagement. Through the lens of art museum interpretation to support an exhibition about compassion for refugees, participants will learn about multiple modalities to empower community voices. Through my scholarship at Ohio State, in conjunction with Dublin Arts Council, I created new models for working and learning with community audiences and local school groups. To effectively partner with the community, organizations need to use inclusive language, vary learning modalities, and promote multiple perspectives. For any student, faculty, staff, or other community member interested in social justice and education, I will present a model for inclusive engagement.

Presenter: Hilary Katz – master of arts student; Ohio State Department of Arts Administration, Education, and Policy; former Education Fellow at Dublin Arts Council

Catalyst for Compassion

(Ignite Session B ■ 2:10-2:15pm)

The dissemination of knowledge is only a small fraction of my mission. As an educator, it is my goal to ensure the sustainable transfer of knowledge to my students. However, if we operate as the sage on the stage and expect our students to become engaged outside of the traditional classroom, then we have only lied to ourselves. We must create environments where students are surrounded by choices, where students are able to manipulate the elements that exist in their world. We must think of knowledge acquisition as we do with environmental sustainability, considering how the economic, financial and social aspects of our students coalesce into the being seeking information. We must view education with a lens of justice and seek to expose our learners to transformative experiences. We must remove from our arsenal the methods that perpetuate the sins of the past and focus instead on the opportunities that lie ahead.

Presenter: Tony Staubach – OSU Extension educator, 4-H youth development

Barbers and Beauticians Who Care: Continuing the Journey to Reduce Health Disparities

(Ignite Session B ■ 2:15-2:20pm)

Barbers and Beauticians Who Care is a signature event that focuses on the health of African-American adults who reside in the Near East Side of Columbus, Ohio. The program was initiated in 2016 through a grant from the

Ohio Office of Minority Health in collaboration between Al Edmondson, president of Making a Difference Inc., and the College of Nursing at Ohio State. Although the event has been sustained the past three years through the support of the College of Nursing, we are seeking additional funding to expand and continue our event. Barbers and Beauticians Who Care is part of a larger program, Making a Difference: Ask a Buckeye Nurse.

Presenters: **Elizabeth Fitzgerald** – associate professor of clinical nursing, Ohio State College of Nursing;

Deborah Dawson – clinical instructor of practice, Ohio State College of Nursing

Climate Vulnerability in Coastal Zones

(15-minute session ■ 1:45-2pm)

Coastal storms and flooding are among the most destructive natural hazards worldwide. Climatic changes are predicted to worsen these hazards by producing increased precipitation and more frequent and severe storms. For some populations, the physical and economic impact of storm hazards are difficult to absorb due to a lack of institutional resources and large percentage of low-income home and business owners. Residents can be at risk due to environmental factors, such as proximity of housing to flood zones, as well as sociodemographic challenges like poverty. In response, applied research is needed to identify communities that are increasingly vulnerable to storm hazards, and to support municipalities and local residents with building resilience. This study accomplishes this by analyzing the vulnerability of 42 communities in Northeast Ohio. Communities are categorized for vulnerability according to an index of five biophysical and five sociodemographic indicators.

Presenter: **Scott Hardy** – OSU Extension educator, Ohio Sea Grant

Working with Natural Resources Assistance Council Partners to Preserve Land for Future Generations

(15-minute session ■ 2-2:15pm)

The focus of the Clean Ohio Fund's Green Space Conservation Program is to enhance water quality by funding preservation of open spaces, sensitive ecological areas, and stream and river riparian corridors which connect and preserve floodplains. Learn about an OSU Extension educator's experience during nine years in his role serving on the area Natural Resources Assistance Council (NRAC) and how he assists government and nonprofit applicants throughout the process of Clean Ohio project development. The presentation is targeted toward Extension educators and academics who would like to learn more about serving on their local Natural Resources Assistance Council and develop a better understanding of building effective partnerships.

Presenter: **Jerry Iles** – OSU Extension educator, agriculture and natural resources

Environmental Engineering Capstone:

Partnering with Practicing Environmental Engineers to Train the Next Generation

(15-minute session ■ 2:15-2:30pm)

A capstone course provides students with a project-based course near the end of the program of study and is typical for many majors. The Environmental Engineering program has worked with City of Columbus engineers to create a unique capstone experience. Students select to have a capstone experience on a drinking water project occurring at a Columbus drinking water plant or on a Blueprint Columbus project implemented to manage stormwater. Due to the very large size of typical environmental engineering projects, a non-traditional approach is used. Through this course, students get exposure to at least 10 practicing engineers from the City of Columbus, Ohio Environmental Protection Agency, and between four and nine consulting firms. These engineers guide the students through the design process with lectures and submittals to create a preliminary design. The hands-on and on-the-job knowledge and experience brought to our classrooms results in better-trained students ready for practice.

Presenters: **Linda Weavers** – professor, Ohio State Department of Civil, Environmental and Geodetic Engineering and co-director, Ohio Water Resources Center; **Timothy Wolfe** – senior consultant and VP emeritus, Stantec Consulting Services, Inc.; **Mark Eppich** – project manager, Division of Water, City of Columbus; **Jason Sanson** – assistant administrator, Division of Sewerage and Drainage, City of Columbus

Ohio State's 40 Percent Local/Sustainable Food Purchasing Goal

Ohio State's Food Sustainability Panel was created to develop a strategic plan for our dining halls, medical center, and other venues on campus that serve food as the university moves toward our goal of purchasing 40 percent local and/or sustainably-sourced food by 2025. The panel delivered a final report draft in early December 2018 to the provost and vice president for Student Life. We will feature definitions, action steps, and other highlights contained in that report for the sake of continued discussion and input from the community.

Facilitator: Bryan Snyder – executive director, InFACT Discovery Theme; other presenters to be determined

Ohio State Energy Partners

In July 2018, Ohio State entered into a 50-year partnership with Ohio State Energy Partners (a consortium consisting of ENGIE North America and Axium infrastructure) to manage the university's energy system and improve the sustainability of the Columbus campus. The \$1.165 billion agreement represents the largest investment to date in the university's academic mission. As part of this innovative public-private partnership, Ohio State Energy Partners has committed to improve the energy efficiency of the Columbus campus by at least 25 percent within 10 years. That target is one of the university's sustainability goals. Learn about this new model driving energy innovation and conservation at one of the nation's largest universities and how it contributes to research, teaching, and community outreach at Ohio State.

Presenters: Serdar Tufekci – CEO, Ohio State Energy Partners; **Kate Bartter** – director, Ohio State Office of Energy and Environment; **Jay Sayre** – assistant vice president for materials and manufacturing sustainability and director of innovation, Institute for Materials Research at Ohio State

Breakout Session 4: Thursday, January 24, 2019 ■ 9:30-10:30am

Community-Based One Health Education at the Human-Livestock-Wildlife Interface, South Africa (15-minute session ■ 9:30-9:45am)

Using a community engagement-One Health approach, we implemented a training program to advance infectious disease risk assessment and mitigation skills among pastoralists living adjacent to conservation areas in South Africa. The program included professional development of local facilitators who then conducted workshops with community members. Workshops used a series of experiential, inquiry-based activities to teach participants the concepts of pathogen transmission and disease risk assessment and mitigation. Analysis revealed the implementation of risk mitigation strategies by 98 percent (60/61) of workshop participants during the three-month follow-up and included improved personal and domestic hygiene practices and enhanced animal housing. This program may be appropriate for consideration as a scalable approach by which to mitigate human and animal infectious disease risk in high-risk/low-resource communities.

Presenter: Amanda Berrian – assistant professor, Veterinary Preventive Medicine, Ohio State College of Veterinary Medicine

Project Nicaragua Bakery Venture (15-minute session ■ 9:45-10am)

Project Nicaragua at Ohio State is a nonprofit, student-run organization which seeks to promote quality of living in the rural community of Rancho Grande in Matagalpa, Nicaragua in partnership with the missionary organization Amor en Accion. A variety of public health, education, and entrepreneurship initiatives are explored, such as a clean cook-stove project to improve safety in homes, classroom-based educational sessions, a locally-run sewing center to act as an income supplement for families, and a bakery startup to provide business management experience and employment opportunities for the families in the program. We believe the most effective way to make lasting change is through education and guidance rather than through mere donation, and we hope to inspire others to identify and take advantage of opportunities in their community more effectively by providing firsthand evidence of the benefits of starting a business rather than through trips to the area.

Presenters: Ryan Nelson – director of business development, Project Nicaragua, Ohio State undergraduate senior; **Kassidy D'Annolfo** – senior co-president of Project Nicaragua, Ohio State undergraduate senior

Sustainable Village Water Systems Program for Tanzania

(15-minute session ■ 10-10:15am)

The Sustainable Village Water Systems (SVWS) program developed by the Global Water Institute (GWI) is designed to address the underlying and interrelated issues that contribute to extreme poverty: combining solar-powered water infrastructure with improved sanitation and hygiene at schools and clinics and support for improved agricultural productivity and nutrition – employing a systems approach to rural development.

Presenter: Marty Kress – executive director, Global Water Institute

Know Your Status: Ohio State’s HIV/STI Testing Program and its Valued Partnerships

(30-minute session ■ 9:30-10am)

The Student Life Student Wellness Center at Ohio State aims to empower students to strive for balance and wellness, through group and individual services and programs. One of those services, no-cost HIV/STI testing, is unique in many regards. Led almost entirely by students, lab managers and volunteer test counselors are extensively trained on university and state policy, testing protocol, and counseling skills to handle numerous clients and their sexual health needs. The program would not be what it is today without involvement from various entities, both on- and off-campus. These meaningful partnerships include other Student Life departments, Columbus Public Health, and nonprofit organizations such as Equitas Health. Partners aid in providing testing materials, lab analysis, delivering STI test results, and providing secondary testing for HIV. By working together, the HIV/STI testing program has reached more clients on an annual basis than ever before.

Presenters: Natalie Fiato – wellness coordinator, Office of Student Life, Ohio State Student Wellness Center;

Michaela Martin – interim assistant director, Office of Student Life, Ohio State Student Wellness Center

Building a Sustainable Partnership in Care for Autism

(30-minute session ■ 10-10:30am)

We will explore the topic of ‘resiliency’ and ‘sustainability’ from four angles: improving patient well-being through resilience, cultivating sustainable care relationships, creating sustainable impact, and designing sustainable revenue models as it relates to an ongoing collaboration project between the Center for Autism Services and Transitions, Nationwide Children’s Hospital, and Collective Design Initiative, a design research and strategy firm.

Presenters: Amy Hess – program director, OSUMC/Center for Autism Services and Transition (CAST); **Erika Braun**

– principal, Collective Design Initiative; **Sapna Singh** – design researcher and strategist, Collective Design Initiative

Serious Play: The Uses of Theatre-Based Strategies in Community Partnership

We will highlight the work of InterACT and Be The Street, two key community engagement partnerships rooted in the Department of Theatre, seeded with cross-disciplinary Ohio State campus investment, and flourishing among scores of campus and community partners. We will also detail the Department of Theatre’s developing Graduate Certificate in the Pedagogy of Civic Practice and Public Performance, which builds upon our disciplinary expertise toward the application of theatre and performance strategies to community partnerships and social change activities. In addition to contextualizing our current work and our developing training capacities, we will involve attendees in hands-on exercises that deploy performance in our civic practice. Our goal, then, is both to share our best practices via case studies and to offer tangible, useful takeaways that participants can put to use in their own partnerships.

Presenters: Jennifer Schlueter – associate professor, Ohio State Department of Theatre; **Elizabeth Wellman** – associated faculty, Ohio State Department of Theatre; **Moriah Flagler** – postdoctoral researcher, Ohio State Department of Theatre and Department of Comparative Studies

The Ohio State University EcoCAR Program: Paving the Future for Sustainable Transportation

(15-minute session ■ 9:30-9:45am)

The Ohio State University EcoCAR Program will present information to promote the Advanced Vehicle Technology Competition (AVTC). From this competition, students have had the opportunity to build a hybrid electric vehicle with industry-leading technology. Students work together to reduce emissions, increase fuel economy, and maintain the performance of a conventional vehicle. These competition goals directly align with finding sustainable transportation solutions for the future. From the EcoCAR 3 competition, Ohio State students

redesigned a 2016 Chevrolet Camaro that reduced start-up emissions by 90 percent, obtained a 40-mile all-electric range, achieved a fuel economy of 40 MPG, and obtained a 6.2 second 0-60 acceleration time. We will review current community and industry partnerships that led to the team's success, which includes five consecutive first-place finishes. The Ohio State EcoCAR program is committed to strengthening partnerships within the community to ensure continued success.

Presenters: **Kristina Kuwabara** – student, EcoCAR Program; **Allison Mellor** – student, EcoCAR Program

Harnessing Local Knowledge and Global Data to Promote Sustainability

(15-minute session ■ 9:45-10am)

We pull together insights from our work on explaining deforestation patterns in post-war northern Uganda and on valuing urban vacant lots from Cleveland, Ohio to illustrate how local knowledge (via collaborators on the ground, Extension staff, local officials, local communities) can shape a research question to address pressing conservation and development needs on the ground. We integrate publicly available geospatial data with insights from local sources to produce research that accurately reflects the reality on the ground and addresses important local problems. Our goal is to disseminate our research results to local communities and institutions in the hope of contributing to the design of a cost-effective policy to protect critical ecosystem structure and functions especially among low-income households who often have limited means of compensating for lost ecosystem services. Our intended audience is researchers, practitioners, and representatives from local communities.

Presenters: **Daniela Miteva** – assistant professor, Ohio State Department of Agricultural, Environmental, and Development Economics; **Natalia Zappernick** – research assistant, Ohio State Department of Agricultural, Environmental, and Development Economics

Community Engagement and Education through Virtual Reality

(15-minute session ■ 10-10:15am)

Virtual reality (VR) provides an efficient way to transport audiences to destinations on land, sea, and in the air without having to leave their chair. VR is the future of educational field trips and can be implemented into Extension programming. Through community partnerships, Extension educators are developing VR videos to educate youth on food sustainability and employment opportunities in their community.

Presenter: **Brooke Beam** – OSU Extension educator, Highland County

Synergy for a Healthy Campus Watershed

(30-minute session ■ 9:30-10am)

Friends of the Lower Olentangy Watershed (FLOW) will highlight the connections that have been made with different partners at Ohio State and explain how the web of partners has strengthened improvements in water quality, as well as genuine learning and service for students.

Presenter: **Laura Fay** – secretary of FLOW Board and chair of FLOW Science Committee, Ohio EPA and Ohio Department of Natural Resources

Ohio's Clean Marinas Program: Impacting Water Quality through Outreach

(30-minute session ■ 10-10:30am)

The Ohio Clean Marinas Program is a partnership between Ohio Sea Grant, the Ohio Department of Natural Resources, and the Lake Erie Marine Trades Association that encourages marinas and boaters to use best management practices to keep Ohio's coastal and inland waterway resources clean. The program enhances environmental stewardship in the recreational boating industry by making marinas and boaters more aware of environmental laws and recommendations, and recognizing proactive members of the community as "Clean Marinas." Through continued efforts to strengthen and expand existing partnerships, the Ohio Clean Marinas Program serves as an example of a way for university, industry, and agency organizations to work together to achieve a common goal – improved air and water quality.

Presenter: **Sarah Orlando** – program manager, Ohio Sea Grant

Smart @ Ohio State

A strong sense of collaboration between public and private entities was one main differentiator when Columbus was selected from 78 cities to win the coveted USDOT Smart Cities Grant. The grant has been a catalyst, uniting diverse thoughts, ideas and resources in support of a movement that's leveraging data and technology to improve the lives of central Ohio residents. Learn about the exciting projects that are part of Smart Cities work through the grant and beyond, and see how collaboration through connectivity can benefit a region.

Presenter: Courtney Falato – director of Smart relationships, Ohio State Corporate Engagement Office; other speakers to be announced.

Students Committed to Community Partnerships: Stories of Successful Engagement

Although students can be seen as transitory community members, these individuals and groups have found ways to build and maintain successful community partnerships. In this ignite-style session, multiple presenters will share their individual stories on specific themes including need-based assessment, the role of social identities, sustained involvement, and preparation and reflection. We will close with Q&A with all presenters. This session is intended for students and those who work with students through community engagement efforts.

Moderator: Jerry Stinnett – Office of Student Life Department of Social Change

Breakout Session 5: Thursday, January 24, 2019 ■ 10:45-11:45am

The Sustainable Columbus Observatory (SCO):

Measuring Community Progress Toward Sustainability and Resilience

The Center for Urban and Regional Analysis (CURA) and the Sustainability Institute at Ohio State are developing an urban data observatory for the purpose of benchmarking social, environmental, and economic factors related to sustainability in the central Ohio region. The Sustainable Columbus Observatory (SCO) engages community stakeholders including the Mid-Ohio Regional Planning Commission (MORPC) and Smart Columbus to ensure that the data and indicators reflect community sustainability goals, supporting evidence-based policy and program evaluation. We will present the SCO framework and the indicators project, and invite feedback from our community partners and audience members.

Presenters: Harvey Miller – professor, Ohio State Center for Urban and Regional Analysis and Department of Geography; **Ningchuan Xiao** – professor, Ohio State Department of Geography; **Adam Porr** – GIS research analyst, Ohio State Center for Urban and Regional Analysis; **Gulsah Akar** – associate professor, Ohio State City and Regional Planning; **Basar Ozbilen** – doctoral student, Ohio State City and Regional Planning

Partnership Employing Experiential Learning to Teach Sustainable and Resilient Business Practices (30-minute session ■ 10:45-11:15am)

We will describe a five-year success record whereby students have collaborated with Owens Corning on the performance of authentic sustainability and resilience projects pertinent to significant operational and strategic issues at Owens Corning. Projects have included development of a strategy for motivating Owens Corning contract truckers to move away from fossil fuels to natural gas, options for end-of-life product disposition that avoid landfill, strategies for incorporating sustainability and resilience messaging into marketing communications, and approaches for reducing environmental and community impacts of a large manufacturing facility. “The fresh perspectives which students bring to generating solutions to the problems we toss at them add significant value. Often they identify issues we overlooked because we are so close to the problem – an example of not seeing the forest for the trees.” –Julie Childers, senior sustainability leader for Owens Corning.

Presenters: Neil Drobny – senior lecturer, Ohio State Fisher College of Business;
Julie Childers – senior sustainability leader, Owens Corning

Development of Design Criteria to Supplement 10 State Standards for Low-Pressure Membranes in Ohio

(30-minute session ■ 11:15-11:45am)

The majority of drinking water suppliers in the United States are small systems serving 25 to 3,300 people. Innovation in public water systems (PWSs) is lacking, not due to technological advancements, but rather due to institutional constraints that pose greater challenges for small and medium communities and result in greater economic burdens and lower public health protection than for large communities. The Ohio Water Resources Center (WRC) is developing design criteria for a treatment technology that Ohio EPA will use as a supplement to the 10 state standards. Success of this project will eliminate the currently required pre-design demonstration study for low-pressure membranes – significantly reducing the cost and project schedule for small and medium PWSs in Ohio to install this technology where it is more cost effective and appropriate. We will inform audience members of the project learnings and inspire interest in further work to propel innovation in the water industry.

Presenters: **Zuzana Bohrerova** – research specialist; associate director, Ohio State Department of Civil, Environmental and Geodetic Engineering; Ohio Water Resources Center; **Linda Weavers** – professor and John C. Geupel Chair; co-director, Ohio State Department of Civil, Environmental and Geodetic Engineering; Ohio Water Resources Center; **Timothy Wolfe** – senior consultant and VP emeritus; adjunct faculty, Stantec Consulting Services, Inc; Ohio State Department of Civil, Environmental and Geodetic Engineering; **Megan Patterson** – graduate research associate; Environmental EIT, Ohio State Department of Civil, Environmental and Geodetic Engineering, Stantec Consulting Services, Inc.

Sell-by, Best-by, or Use-by? Engaged Research to Understand How Standardized Date Labels Can Alter Consumer Food Waste

(15-minute session ■ 10:45-11am)

Ever wonder how the dates on food products are chosen, or whether ‘sell by’ is different than ‘best by’? So do many Americans, and this confusion leads consumers to undermine sustainability by discarding millions of calories of quality food prematurely. We partnered with the nongovernmental organization Reducing Food Waste through Economics and Data (ReFED) to conduct research that evaluates how standardized date labels affect consumer food discard decisions. We then consider how these results inform firm-level decisions about dates chosen for various products and guide discussions of date-labeling policies at the state and federal levels. We will communicate the experience of engaged research with a trusted national partner (ReFED), including how the Ohio State-ReFED team leveraged each group’s individual strengths, resources, and assets to ensure the research was adequately and rigorously addressing key research questions and informing ongoing policy.

Presenters: **Brian Roe** – professor, Ohio State Department of Agricultural, Environmental, and Development Economics; **Jackie Suggitt** – multistakeholder initiatives director, Reducing Food Waste Through Economics and Data; **Caroline Powell** – insights and analytics director, ReFED; **Katie Bender** – graduate research assistant, Ohio State Department of Agricultural, Environmental, and Development Economics; **Aishwarya Badiger** – graduate research associate, Ohio State Department of Food Science and Technology; **Chris Simons** – professor, Ohio State Department of Food Science and Technology; **Dennis Heldman** – Seiberling Endowed Professor of Food Engineering, Ohio State Department of Food Science and Technology

The Psychology of Distracted Driving and Working Toward Reducing Driver Distraction

(15-minute session ■ 11-11:15am)

Distracted driving is a leading contributor to motor vehicle accidents, and it is estimated to cause thousands of deaths and hundreds of thousands of injuries per year in the United States. We conducted two surveys of U.S. drivers to study the psychological underpinnings of distracted driving. We considered a number of possible causes including 1) underestimation of distracted driving risks, 2) affective reactions to causes and consequences of distracted driving, 3) motivated denial of risks of distracted driving, 4) overconfidence in driving ability, and 5) perceived acceptability of distracted driving. We also examined support for a variety of methods of distraction reduction and investigated ways to increase support for distraction mitigation. We found evidence of multiple independent predictors toward self-reported distracted driving, variability in support for distraction mitigation, and confirmed that the language used to describe mitigation strategies influences support.

Presenters: **Brittany Shoots-Reinhard** – research associate, Ohio State Department of Psychology; **Ellen Peters** – professor, general internal medicine, Ohio State College of Medicine

What Makes Us Human: Anthropology Public Outreach at COSI

(15-minute session ■ 11:15-11:30am)

The mission of the Anthropology Public Outreach Program (APOP) at Ohio State is to help broaden people's perspectives of what it means to be human by challenging participants to consider different perspectives related to human biological and cultural diversity, both in the past and present. We believe in the power of ideas, scientific inquiry, and self-discovery. APOP offers a collection of anthropology-themed educational experiences on portable carts, which our volunteers facilitate at our community partner, the Center of Science and Industry (COSI). Our goals closely intersect with COSI's mission "for those of all ages to discover more about our environment, our accomplishments, our heritage, and ourselves." Our activities offer interactive opportunities for participants of all ages to engage with different aspects of human diversity, from our remote past to the present in such a way that knowledge can be constructed from individual points of view and life experiences.

Presenters: **Mark Hubbe** – associate professor, Ohio State Department of Anthropology; **Alexandra Tuggle**

– graduate teaching associate, Ohio State Department of Anthropology; **John Osborn** – floor faculty manager, COSI

Cultivating Civic Ecotones for Food Justice

To educate students about access to healthy food, food production, and the prevalence of food insecurity, many higher education institutions have dedicated parcels of land to community gardens where students and local partners join in the fight for food justice. We will share best practices for developing a comprehensive Campus Food Justice Initiative based on experiences engaging students and community members in civic ecotones, including: cultivation of a community garden (a repurposed brownfield); student management of a campus resource center and food pantry; and development of service-learning opportunities for food justice. In civic dialogues, participants will examine five key strategies for campus food justice initiatives while mapping out future directions for their campuses: 1) respect for the production of food; 2) commitment to education; 3) protection of natural resources; 4) guarantee of shared access; and 5) cultivation of civic competencies.

Presenters: **Melissa Gilbert** – associate dean, Otterbein University;

Stacey Rusterholz – assistant director, Otterbein University

Using Innovative Survey Mapping to Foster Community in a Diverse Neighborhood

(30-minute session ■ 10:45-11:15am)

Building and sustaining a sense of community and authentic connections in a diverse, mixed-income neighborhood requires intentional efforts to create social capital. We will draw on the experience of Ohio State and multiple community partners in the Weinland Park neighborhood of Columbus. Ohio State's Kirwan Institute conducted a neighborhood survey in 2016 that included innovative mapping techniques to identify clusters of residents and to illustrate their differing attitudes and experiences. The maps showed how African-American and white residents perceive "safe" and "unsafe" areas of the neighborhood differently. Civic leaders are using the principles of equitable and inclusive civic engagement to share the survey results as one tool to foster understanding and acceptance among neighbors.

Presenters: **Stephen Sterrett** – consultant, Weinland Park Collaborative; **Matthew Martin** – community research and grants management officer, The Columbus Foundation; **Kip Holley** – research associate, Ohio State Kirwan Institute for the Study of Race and Ethnicity

Tools for Inclusion for Fostering Workforce Resilience

(30-minute session ■ 11:15-11:45am)

Horticultural activities can open the doors for persons with disabilities to enjoy the therapeutic rewards of growing and cultivating plants for food and beautification. Gardens and greenhouses can also provide rewarding job opportunities for persons with cognitive disabilities. Both for-profit and nonprofit gardens can provide meaningful work experience, and help individuals grow to be valuable employees. Join us to discuss the roadmap one collaboration of partners created to focus on delivering an educational tool for a specific audience with defined needs. Learn how the project fosters inclusion, generates resilience in the agricultural workforce, and provides a catalyst in transfer of knowledge. The training package designed through this project delivers task guides and safety resources to fit the needs of an agricultural workforce with cognitive disabilities, ultimately adding diversity to the partnership audience while focusing on keeping all workers safe.

Presenters: **Dee Jepsen** – OSU Extension program director, Ohio AgrAbility; **Laura Akgerman** – OSU Extension disabilities service coordinator, Ohio AgrAbility; **Lisa Pfeifer** – OSU Extension education coordinator, Ohio AgrAbility; **Jacqueline Kowalski** – OSU Extension educator, Summit County; **Gary Pottebaum** – director of transition and community employment, Easterseals Serving Greater Cincinnati

The Partnerships for Success Toolbox:

A Resource for Supporting Collaborative Community Problem-Solving

The Partnerships for Success toolbox provides an array of tools and procedures that have been used to support collaborative community problem-solving in a number of communities across Ohio. We will review the contents of the toolbox and illustrate the use of the logic model and outcome definition tools.

Presenters: **David Julian** – director of community planning and evaluation, CETE-College of Education and Human Ecology; **Melissa Ross** – director of operations, CETE-College of Education and Human Ecology; **Beth Crawford** – coach, CETE-College of Education and Human Ecology

Assessing Potential Peak Energy Demand Management Strategies In Agriculture

(30-minute session ■ 10:45-11:15am)

The objective of the agricultural energy management program was to install advanced energy metering equipment in agricultural facilities to track electric demand profiles and monitor power quality. Specifically, we partnered with six farms to collect energy usage data for individual motor loads, allowing our team to analyze how specific operations contribute to each farm's overall peak demand charges. Ohio State's Department of Electrical and Computer Engineering developed energy models to simulate load shifting and evaluate the economic impact. The intended audience includes Extension personnel working with agricultural producers, students, and researchers with interest in energy management and electrical and computer engineering. We will provide an overview of the project partnerships, research methods, outreach and education goals, and preliminary results; and we will discuss potential energy management strategies.

Presenters: **Eric Romich** – OSU Extension field specialist, energy development; **Mahesh Illindala** – associate professor, Ohio State College of Engineering, Electrical and Computer Engineering; **Chris Zoller** – OSU Extension educator, agriculture and natural resources; **Tim Barnes** – OSU Extension educator, agriculture and natural resources; **Rory Lewandowski** – OSU Extension educator, agriculture and natural resources

Engaging Cleveland's Most Vulnerable Communities in Climate Action and Resilience

(30-minute session ■ 11:15-11:45am)

Cleveland is truly a city of neighborhoods, so to create the foundation for lasting climate action, implementation must occur at the neighborhood level. The heart of this presentation is sharing about half-day workshops hosted in 12 neighborhoods previously under-represented in sustainability. Our Learn More, Say More, Do More climate workshop series (12 workshops held in 12 different Cleveland neighborhoods) sessions created spaces where facilitators and participants alike represented Cleveland's diverse population and worked together to identify neighborhood priorities for action. In addition to the neighborhood sessions, our engagement strategy included a Climate Action Advisory Committee with 90+ members and creating pathways to neighborhood-based action by leveraging the ioby crowd-sourcing platform and matching funds from the Cleveland Climate Action Fund.

Presenters: **Erika Meschkat** – sustainability manager, City of Cleveland, Mayor's Office of Sustainability; **Bianca Butts** – lead consultant, NIA Consulting, LLC

Pharmacy Students and Residents Empowering Patients to Self-Monitor and Set Goals to Achieve Positive Health Outcomes

(Ignite Session C ■ 10:45-10:50am)

The caregivers at Charitable Pharmacy of Central Ohio, in partnership with Ohio State College of Pharmacy, identified access to self-monitoring devices as a need for their vulnerable patients. The pharmacy was able to secure funding for blood pressure monitors, glucometers, body weight scales, and pedometers, but was looking for the most impactful way to distribute these devices to patients. A project encompassing distribution of the devices accompanied by documentation of patient-centered goals to promote healthy lifestyle changes was developed by a pharmacy resident and fourth-year Doctor of Pharmacy students, under the guidance of pharmacy and faculty practitioners. The program is currently being implemented by Doctor of Pharmacy

students completing month-long experiential rotations at the pharmacy. This successful partnership expands the patient care offered at the pharmacy and engages pharmacy students in a program that focuses on patient education and community engagement.

Presenters: **Sarah Jones** – pharmacy resident, Ohio State College of Pharmacy; **Kristin Casper** – associate professor, Ohio State College of Pharmacy; **Jennifer Seifert** – executive director, Charitable Pharmacy of Central Ohio

Enhancing Opportunities for Graduate and Professional Students to Engage in Community Outreach and Service

(Ignite Session C ■ 10:50-10:55am)

We will highlight opportunities for graduate and professional students from Ohio State and Ohio University to engage in community outreach and service learning in the Columbus-Athens Schweitzer Fellows Program.

Presenters: **Elizabeth Fitzgerald** – associate professor of clinical nursing and co-program director, Columbus-Athens Schweitzer Fellows Program, Ohio State College of Nursing; **Maria Gallo** – associate professor, Ohio State College of Public Health

Healthy Community Day

(Ignite Session C ■ 10:55-11am)

We will provide an overview of Community Health Day/Healthy Community Day which is the Medical Center's largest day of giving back. The day includes comprehensive, free screenings focusing on the community's areas of greatest need including: infant mortality, chronic disease, obesity, addiction and mental health, and access to care. Screenings include kidney, podiatry, vision, glucose, and sports physicals. Additionally, free food and entertainment for the entire family is part of the day's activities. The event was held this year at the Schottenstein Center to reach a new and larger audience. Partners and contributors are community and university partners such as The Schottenstein Center, Fisher College's Risk Institute, Columbus Fire Department, Big Brothers/Big Sisters, and the Columbus Public Health Department.

Presenters: **Holly Stephens** – director, WMC; **Kim Knight** – senior consultant, WMC; **Lori Stewart** – senior consultant, WMC

Learning How to Engage in the Community: Integrating Teaching, Service and Research for the Good of Patients with Parkinson's Disease

(Ignite Session C ■ 11:05-11:10am)

We will provide concise, focused information about: Parkinson's disease (statistics, symptoms, origins); current treatments (pharmacological and alternative); drumming dance rehabilitation (DDR) program and the developing team; implementation of DDR in the community (benefits and challenges); and value of the project for the community, Ohio State, and team members.

Presenters: **Eugenia Costa-Giomi** – professor, Ohio State School of Music; **Yune Lee** – assistant professor, Ohio State Neurology Department

Give Kids a Smile

(Ignite Session C ■ 11:10-11:15am)

Give Kids a Smile is a biannual event where students at the College of Dentistry provide free care to the underserved pediatric population of Ohio. Our event is volunteer-based and conducted by students. We treat children from all across Ohio with everything from preventative care to crowns and extractions. Our goal is reduce the childhood caries in our state while increasing the knowledge that caries is the number one chronic disease in children.

Presenters: **Haella Holmes** – Ohio State dental student; **Petr Vaughan** – president GKAS, Ohio State dental student

First Responder Education: How to Work with People with Communication Disorders

(Ignite Session C ■ 11:15-11:20am)

It is very likely that first responders will encounter individuals with communication disorders. According to the Bureau of Justice Statistics, the rate of nonfatal violent crime against persons with disabilities was 1.5 times higher than the rate for persons without disabilities. Even if these individuals have communication strategies in place, in an emergency situation, often the person in crisis will not be able to convey so. It's vital for emergency

responders to be ready with strategies to help these individuals communicate and engage with them so the person can be actively involved in the medical treatment he or she receives. Our project includes hosting an in-person training for local first responders to educate them about different communication disorders and how these disorders can create a barrier to effective service delivery if not identified. We will also provide communication strategies for working with individuals with different types of communication disorders.

Presenters: **Jenna DeCarlo** – Ohio State student, Speech and Hearing Science; **Bethany Frick** – Ohio State student, Speech and Hearing Science

CaringWire – An Uncommon Approach to a Common Problem

(Ignite Session C ■ 11:20-11:25am)

Baby boomers are losing the best years of their adult lives as they are sandwiched with the burden of caring for their kids and their parents. The current state of health care is not equipped to provide a solution. We are resolving a common problem with an uncommon solution by delivering reliable case coordination by and for people who care.

Presenter: **Michael Sentz** – MBA student, Ohio State Fisher College of Business