

UFSS 2020 Program Book

Candice Shoemaker
Kansas State University, cshoemak@ksu.edu

Eleni Pliakoni
Kansas State University, epliakoni@ksu.edu

Cary Rivard
Kansas State University, crivard@ksu.edu

Londa Nwadike
Kansas State University and University of Missouri, lnwadike@ksu.edu

Jeremy Cowan
Kansas State University

See next page for additional authors

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Abstract

The 2020 Urban Food Systems Symposium (UFSS) "Nourishing Cities in a Changing Climate" was held to bring together a national and international audience of academic and research-oriented professionals to share and gain knowledge on urban food systems and the role they play in a changing climate. The symposium included knowledge on: urban agricultural production, local food systems distribution, urban farmer education, urban agriculture policy, planning and development, food access and justice, and food sovereignty. The program book provides the full program of plenary talks, concurrent oral and poster sessions, for the 2020 UFSS.

Keywords

urban food systems, symposium

Presenter Information

Candice Shoemaker, Eleni Pliakoni, Cary Rivard, Londa Nwadike, and Jeremy Cowan



Nourishing Cities in a Changing Climate



October 7th, 14th, 21st, 28th, 2020

Symposium Program

KANSAS STATE
UNIVERSITY.

*Photo credit: Dan
Doelling & The River
Market Community
Association*



About the Urban Food Systems Symposium

UFSS brings together an international audience of academic and research-oriented professionals to share and gain knowledge on urban food systems and the role they play in a changing climate.

The symposium includes knowledge on: urban agricultural production, local food systems distribution, climate change, nutrition, urban farmer education, urban agriculture policy, planning and development, food access and justice, and food sovereignty.

The UFSS Organizing Committee Welcomes You!

Eleni Pliakoni, PhD | Organizing Committee Chair
Associate Professor
Urban Food Production and Postharvest Handling
Horticulture and Natural Resources
Kansas State University – Olathe
epliakoni@ksu.edu

Jeremy Cowan, PhD
Assistant Professor
Horticulture and Natural Resources
Kansas State University
jscowan@ksu.edu

Sara Gragg, PhD
Associate Professor
Food Science
Animal Sciences and Industry
Kansas State University
saragragg@ksu.edu

Londa Nwadike, PhD
Associate Professor
Kansas State University
University of Missouri
lnwadike@ksu.edu

Cary Rivard, PhD
Associate Professor
Fruit and Vegetable Extension Specialist
Horticulture and Natural Resources
Kansas State University
crivard@ksu.edu

Candice Shoemaker, PhD
Professor and Special Assistant to the Dean
College of Agriculture
Kansas State University
cshoemak@ksu.edu

Heather Woods
Program Coordinator
Urban Food Systems Program
Horticulture and Natural Resources
Urban Food Systems Symposium Coordinator
Kansas State University – Olathe
hlwoods@ksu.edu

Melanie Monsees
Program Coordinator
Urban Food Systems Program
Horticulture and Natural Resources
Urban Food Systems Symposium Coordinator
Kansas State University – Olathe
mmonsees@ksu.edu

Symposium at a Glance

Wednesday, October 7

9:45 – 10:00 a.m.

Opening Remarks:

Dr. Eleni Pliakoni
Associate Professor
Urban Food Production and Postharvest
Handling
Horticulture and Natural Resources
Kansas State University – Olathe

Dr. Ernie Minton
Dean of the College of Agriculture
Director of K-State Research & Extension
Kansas State University

Dr. Jackie Spearks
Interim Dean and CEO
of KSU-Olathe campus
Kansas State University

Provost and Executive Vice President Dr.
Charles Taber - recorded message
Kansas State University

10:00 – 11:00 a.m.

Keynote:
Dr. Jess Halliday – Building climate-
resilient urban and regional food systems
LIVE | *Sponsored by Kansas State
University Global Food Systems Initiative*

11:00 – 11:45 a.m.

Community and Economic Development
Live Discussion Session

11:45 – 12:00 p.m.

*Networking Break: Extension &
Not for Profit*

12:00 – 12:45 p.m.

Food Systems Policy and Advocacy
Live Discussion Session

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m.

Extension and Outreach in Urban Food
Systems - Live Discussion Session

1:45 – 2:00 p.m.

Break

2:00 – 2:45 p.m.

Poster Session

Wednesday, October 14

10:00 – 11:00 a.m.

Invited Speaker: Dr. Charles Rice –
Urban Agriculture, Climate Change, and
Food Security: Potential Solutions and
Synergies – LIVE

11:00 – 11:45 a.m.

Urban Food Production Systems
Live Discussion Session

11:45 – 12:00 p.m.

*Virtual Networking Break: School
Gardens & Higher Education*

12:00 – 12:45 p.m.

Climate Change and Environmental
Aspects in Urban Agriculture
Live Discussion Session

Please note all times are listed as Central Time (CDT)

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m.

Challenges of Growing in Urban Areas
Live Discussion Session

1:45 – 2:00 p.m.

*Social Break: Sponsored by KS SARE &
KSCAAC*

2:00 – 2:45 p.m.

Poster Session

Wednesday, October 21

10:00 – 11:00 a.m.

Invited Speaker: Dr. Elizabeth Mitcham
The Role of Urban Farming in Nutrition
Security – LIVE

11:00 – 11:45 a.m.

Training for Urban Farmers
Live Discussion Session

11:45 – 12:00 p.m.

*Networking Break: Nutrition
and Nutrition Educators & Community
Development*

12:00 – 1:00 p.m.

Invited Speaker: Karen Washington –
Food Justice is More than Growing Food
and Feeding People – LIVE | *Sponsored
by KS SARE*

1:00 – 1:15 p.m.

*Social Break: Sponsored by Kansas State
University Global Food Systems Initiative*

1:15 – 2:15 p.m.

Poster Session

Wednesday, October 28

10:00 – 11:00 a.m.

Invited Speakers: Dr. Jill Clark and Dr.
Jennifer King – 'Fixes that Fail:' Using
community-based systems modeling to
diagnose injustice in the food system –
LIVE

11:00 – 11:45 a.m.

Urban Planning and Development
Live Discussion Session

11:45 – 12:00 p.m.

*Networking Break: Urban
Planning & Policy and Government*

12:00 – 12:45 p.m.

Urban Food Distribution Systems
Live Discussion Session

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m.

Nutrition and Food Security in Cities
Live Discussion Session

1:45 – 2:00 p.m.

*Social Break: Sponsored by Kansas
Department of Agriculture*

2:00 – 3:00 p.m.

Keynote: Mark Winne
The Hydra-Headed Food System:
Imagining the Whole and Connecting the
Dots – LIVE | *Sponsored by KSCAAC*

Keynote & Invited Speakers

Schedule

Wednesday, October 7th
10:00 a.m.

Jess Halliday: Building climate-resilient urban and regional food systems

Wednesday, October 14th
10:00 a.m.

Charles Rice: Urban Agriculture, Climate Change, and Food Security: Potential Solutions and Synergies

Wednesday, October 21st
10:00 a.m.

Elizabeth Mitcham: The Role of Urban Farming in Nutrition Security

Wednesday, October 21st
12:00 p.m.

Karen Washington: Food Justice is More than Growing Food and Feeding People

Wednesday, October 28th
10:00 a.m.

Jill Clark and Jennifer King: 'Fixes that Fail:' Using community-based systems modeling to diagnose injustice in the food system

Wednesday, October 28th
2:00 p.m.

Mark Winne: The Hydra-Headed Food System: Imagining the Whole and Connecting the Dots



Jess Halliday

Dr. Jess Halliday is an associate at the RUAF Global Partnership on Sustainable Urban Agriculture and Food Systems. She is presently working with partners from the Laurier Centre for Sustainable Food Systems at Wilfrid Laurier University and the CGIAR Water Land and Ecosystems programme on a project led by the FAO to strengthen resilience

of city region food systems to climate-related shocks and stresses. Before joining RUAF in 2018 Jess worked with the International Panel of Experts on Sustainable Food (IPESFood) to author a report on the drivers of urban food policies, What Makes Urban Food Policy Happen?; and for French research institute CIRAD, where she conducted research for the UNESCO Chair on World Food Systems. Jess spent her early career as a journalist and TV researcher. Jess holds a PhD and an MSc in food policy from the Centre for Food Policy, City University London, and gained her bachelor's degree from Cambridge University. She lives in a small village near the city of Montpellier in southern France.

Charles Rice

Dr. Charles Rice grew up in Yorkville, Illinois which had a population of about 1,500 people at the time. Throughout the years he became involved in many aspects of 4-H. Rice received his B.S. in Geography from Northern Illinois University. He then completed his Masters and Doctorate from the University of Kentucky.

In 1988, Rice joined the Agronomy faculty at K-State. Rice specializes in soil microbiology, carbon cycling, and climate change. His extensive research has allowed him to gain helpful insight in order to help his students. Dr. Rice spends his remaining free time relaxing by doing the things that he enjoys most, reading and gardening.



Elizabeth Mitcham

Dr. Elizabeth Mitcham is director of the Horticulture Innovation Lab, a USAID-funded program housed in the Department of Plant Sciences at the University of California, Davis, which advances fruit and vegetable research to support the needs of smallholder farmers in developing countries. She joined the program as its associate director in 2009 and has served as the program's director since 2011. As director, Mitcham oversees the program as a whole and is responsible for external relations, strategic planning and financial management. She also serves as a technical resource on horticulture and handling of produce after harvest to reduce postharvest losses. Mitcham joined the UC Davis faculty in 1992 as a UC Cooperative Extension specialist. She holds degrees in horticulture from the University of Maryland (Ph.D. and B.S.) and North Carolina State University (M.S.).





Karen Washington

Karen is a farmer and activist. She is Coowner/ Farmer at Rise & Root Farm in Chester New York. An activist, food advocate; in 2010, CoFounded Black Urban Growers (BUGS) an organization supporting growers in both urban and rural settings. In 2012, Ebony magazine voted her one of their 100 most influential African Americans in the

country and in 2014 was the recipient of the James Beard Leadership Award. Karen serves on the boards of the New York Botanical Gardens, Soul Fire Farm, the Mary Mitchell Center, Black Farmer Fund, and Farm School NYC.

Jill Clark

Dr. Jill Clark's research is agrifood system policy and practice, centering on community and state governance of food systems, the policy process, and community engagement. Primarily using a community-based research approach, she works with local communities across the United States. Currently, Professor Clark provides statewide



leadership for the Ohio Network of Food Policy Councils and national leadership as an advisory board member for Johns Hopkins Food Policy Network. Professor Clark has a Ph.D. in geography from The Ohio State University and a master's degree from the Nelson Institute for Environmental Studies at the University of Wisconsin.

Jennifer King

In her leadership role at the Mary Ann Swetland Center for Environmental Health, Dr. Jennifer King supports postdoctoral scholars and trainees, facilitates monthly seminar series presentations, and manages daily operations to provide state-wide technical assistance to SNAP-Ed practitioners for the implementation of community nutrition policy, systems, and environmental interventions. Before joining the Swetland Center, she aided in the launch of the Kent State of Wellness, a university-wide health initiative, while serving as Graduate Student Trustee on the Board of Trustees. Dr. King has progressively developed her skill to build and maintain relationships to encourage community engagement and connectivity while studying the determinants of health in Cleveland's largest neighborhood. She received both her Bachelor's (Kent State University) and Master's (Bowling Green State University) degrees in Nutrition before returning to Kent to earn her PhD in Public Health with an emphasis in Health Policy & Management.



Mark Winne

From 1979 to 2003, Mark Winne was the Executive Director of the Hartford Food System (HFS), a private nonprofit agency that works on food and hunger issues in the Hartford, Connecticut area. From 2002 until 2004, Mark was a Food and Society Policy Fellow, a position supported by the W.K. Kellogg Foundation. Mark currently writes, speaks, and consults extensively on community food system topics including hunger and food insecurity, local and regional agriculture, community food assessment, and food policy. Since 2013, Mark has served as a Senior Advisor at the Johns Hopkins Center for a Livable Future where he works on local and state



food policy. He is the author of Food Town, USA (Island Press 2019), Stand Together or Starve Alone: Unity and Chaos in the U.S. Food Movement (Praeger Press 2018)... just to name a few. Mark now lives in Santa Fe, New Mexico and holds a bachelor's degree from Bates College and a master's degree from Southern New Hampshire University.



Nourishing Cities in a Changing Climate

Wednesday, October 7

9:45 – 10:00 a.m.

Opening Remarks:

Dr. Eleni Pliakoni

Associate Professor

Urban Food Production and Postharvest Handling

Horticulture and Natural Resources

Kansas State University – Olathe

Dr. Ernie Minton

Dean of the College of Agriculture

Director of K-State Research & Extension

Kansas State University

Dr. Jackie Spears

Interim Dean and CEO of KSU-Olathe campus

Kansas State University

Dr. Charles Taber - recorded message

Provost and Executive Vice President

Kansas State University

10:00 – 11:00 a.m. **

Keynote: Dr. Jess Halliday – Building climate-resilient urban and regional food systems – LIVE | Sponsored by Kansas State University Global Food Systems Initiative

There is no doubt that climate change is upon us and is wreaking havoc on our food systems. From chronic stresses such as droughts and prolonged low temperatures, to sudden shocks like hurricanes, floods, and raging wild fires, extreme events are already affecting food and nutrition security, and global stability. In this talk we will take a realistic look at the impacts of climate change on urban and regional food systems, including real-life examples of how catastrophes have caused crop failure, cut off supplies for local populations, and caused livelihoods to collapse. Yet despite the grim evidence there are reasons to be hopeful. Through the Inter-governmental Panel on Climate Change (IPCC) and the 2030 Agenda for Sustainable Development, there is growing international recognition of the need to safeguard food security from the impacts of climate change and climate related disasters. And there are signs, in some places, of gradual realization that food must be included in resilience strategies — not least since Covid-19 laid bare the fragility of food systems across the world. We will look at some of the policies, programs and actions that local and regional governments can put in place to increase the capacity of food systems actors to prevent, resist, absorb, adapt, respond and build back better from disasters. Finally, we will consider key questions used by the FAO-NUAF City Region Food System Programme to assess existing food systems resilience capacity, identify weak spots and vulnerable people, and determine priority action areas.

11:00 – 11:45 a.m. **

Community and Economic Development - Live Discussion Session

Missouri EATs: Food system development through community engagement - William McKelvey, University of Missouri Extension

Fair Food Network's Approach to Growing Community Health and Wealth Through Food - Holly Parker, Fair Food Network

The Changes and Adaptation of Food-ways with Residential Relocation during Urbanization in South China - Yaolin Chen, University of Buffalo (SUNY)

Innovative technologies to enhance the seasonal availability of nutritious foods in rural and urban settings - Angelos Deltsidis, University of Georgia

11:45 – 12:00 p.m.

Networking Break: Extension & Not For Profit

12:00 – 12:45 p.m. **

Food Systems Policy and Advocacy - Live Discussion Session

Evolution of Food Systems Work in the Omaha-Council Bluffs Metropolitan Area - Susan Whitfield, No More Empty Pots

Food security and sovereignty in the local food system of Rhode Island - Anna Palliser, Southern Institute of Technology

The Role of Food Policy Networks in Local Public Policy - Megan McGuffey, University of Nebraska at Omaha

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m. **

Extension and Outreach in Urban Food Systems - Live Discussion Session

University of Missouri Extension Metro Foods System Team - Londa Nwadike, University of Missouri/Kansas State University

Pilot In-Field Food Safety Training Assessment in Donation Gardens Managed by Master Gardeners in Iowa - Shannon Coleman, Iowa State University

Two Years in Review: National Food Systems Certifications Next Steps - Kaley Hohenshell, Iowa State University

Updating youth programming to meet needs of urban schools - Rebecca McMahon, Kansas State University

1:45 – 2:00 p.m.

Break

2:00 – 2:45 p.m. *

Poster Session 1: Community and Economic Development in Urban Communities - Live Discussion

Lessons for Leaders from Farm to Table - Hannah Wooten, University of Florida

Orange County Florida Makes Strides to Encourage Local Foods Production - Liz Felter, University of Florida

Ecogentrification: Rethinking the Effects of Urban Agriculture on Food Insecure Neighborhoods in Brooklyn, NY - Storm Lewis, Smith College

Helping Others Learn to Grow: Volunteer Gardening Experts as Valuable Community Resources - Tamra Reall, University of Missouri Extension

Increasing Accessibility to Fresh Produce in Urban Food Deserts in Volusia County, Florida - Joseph Sowards, University of Florida

Urban Agriculture: Local Government Stakeholders' Perspectives and Informational Needs - Catherine Campbell, University of Florida

Poster Session 2: Food Security in Cities - Live Discussion

Mapping the Food Landscape: Tools for Increasing Food Security - Laura Ryser, Washington State University

Nebraska Extension's Nutrition Education Program partnership strategies for equitable food access - Kristen Houska, University of Nebraska-Lincoln

Voices For Food: Considerations for Urban Settings - Estrella Carmona, University of Missouri

Farmers Market Flash: Strategies for Engagement to Promote Customers Using SNAP Benefits to Shop at Farmers Market - Diane Smith, Washington State University

CHOW: An Innovative Public Private Partnership to Cutting Hunger on Weekends - Diane Smith, Washington State University

Exploring the Connection between Household Resilience and Food Security in a Post-Industrial City - Eboni Adderley, The Ohio State University

** Recordings of oral presentations available on the Whova App

* Poster PDFs available on the Whova App

Wednesday, October 14

10:00 – 11:00 a.m.

Invited Speaker: Dr. Charles Rice – Urban Agriculture, Climate Change, and Food Security: Potential Solutions and Synergies – LIVE

Human influence on climate is clear, and anthropogenic emissions of greenhouse gases are the highest in recent history. Current and future changes in our climate will have widespread impacts on human and natural systems. Urban systems are vulnerable to extreme events associated with heat and rainfall. The effects will be disproportional felt on the elderly, young, those in poverty, and those with prior health conditions. In addition, climate change will affect food production and distribution. Adaptation and mitigation are complementary strategies for reducing and managing the risks of climate change. Urban agriculture could contribute to the mitigation of climate change by reducing heat island effects and mitigate flooding from extreme precipitation events. Urban agriculture could help with food security by the production of locally-sourced nutritious food. In addition to the physical effects, urban agriculture could have benefits to human health indirectly from green space and the association with nature

11:00 – 11:45 a.m. **

Urban Food Production Systems - Live Discussion Session
IPM for 'ponics: Assessing Industry and Community Needs for Pest Management in the Twin Cities - Mary Rogers, University of Minnesota

Noble Hill Agricultural Project - John Chiles, Noble Hill Agricultural Development

Yields of Relay Cropped Greens Grown in Green Roof Production Systems - Leigh Whittinghill, Kentucky State University

Reroot Pontiac: Urban Sustainability in Michigan - Syed Imam, Wayne State University

The Role of Grafting for Local Tomato Production in High Tunnels - Cary Rivard, Kansas State University

11:45 – 12:00 p.m.

Networking Break: School Gardens & Higher Education

12:00 – 12:45 p.m. **

Climate Change and Environmental Aspects in Urban Agriculture Live Discussion Session

Trends in Ecosystem Service Metrics of Urban Agriculture in Minneapolis/St. Paul, MN - Jennifer Nicklay, University of Minnesota-Twin Cities

Compost Production, Application and Assessment of Soil Health Impacts on Urban Agriculture Soils in Indiana - Nathan Shoaf, Purdue University Extension

Evaluating the Sustainability of Urban Food Production - Nicole Kennard, University of Sheffield

Vertical Farming: Using Climate Design Solutions to Improve Access and Drive Economic Development - Suvrajit Saha, Klimazone Labs

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m. **

Challenges of Growing in Urban Areas - Live Discussion Session

Growing Crops on Urban Brownfields: How Safe is it? - Ganga Hettiarachchi, Kansas State University

Characterizing Exposures to Heavy Metals in Urban-Grown Produce from Baltimore City's Urban Farms and Gardens - Sara Lupolt, Johns Hopkins Bloomberg School of Public Health

8 Ways to Secure the Promise of Commercial Urban Farming - Anu Rangarajan, Cornell University

Factors Affecting the Profitability, Productivity, and Sustainability of Socially Disadvantaged Urban Agriculture Operations in Pittsburgh, Pennsylvania - Hannah Whitley, The Pennsylvania State University

1:45 – 2:00 p.m.

Social Break: Sponsored by KS SARE & KSCAAC

2:00 – 2:45 p.m. *

Poster Session 3: Urban Food Production Systems - Live Discussion

Rootstock Effect on Fruit Quality and Yield of 'Tasti Lee' Tomatoes Produced in a High Tunnel System - Tricia Jenkins, Kansas State University

The Impact of Different High Tunnel Covering on Microclimate, Yield, and Phenolic Accumulation of Red and Green Leaf Lettuce - Kelly Gude, Kansas State University

Hügelkultur for Season Extension and Intercropped Mushroom Production - Sara Hazan, Kansas State University

Poster Session 4: Challenges of Growing in Urban Areas and Urban Food Distribution Systems - Live Discussion

Survey of Agricultural Water Microbial Quality in Kansas and Missouri - Manreet Bhullar, Kansas State University

Growing Together: Master Gardeners, Food Aid, and Social Stigma in Iowa's Urban Counties - Moses Wanyakha, Iowa State University

Growing Health and Hope On-Farm, Hands-On - Alicia Ellingsworth, KC Food Hub

Farm Fresh Food Boxes: Increasing Food Access in Rural Communities through New Markets for Farmers and Retailers - Diane Smith, Washington State University

Building a Mini-Pack House for Small Scale Produce Growers - Eleni Pliakoni, Kansas State University

**** Recordings of oral presentations available on the Whova App**

*** Poster PDFs available on the Whova App**

Wednesday, October 21

10:00 – 11:00 a.m.

Invited Speaker: Dr. Elizabeth Mitcham – The Role of Urban Farming in Nutrition Security – LIVE

It is amazing and sad to observe the high percentage of individuals in the United States today experiencing dietary deficiencies. Nearly 40% of individuals over 2 years old are deficient in iron and Vitamin C, 56% are deficient in Vitamin A, and 65% are deficient in calcium. In 2010, 24% of households with children reported not having enough money for food; that number is likely higher today. There are a variety of causes of malnutrition in the United States, including poverty, access to healthy foods (think food deserts), price differentials between healthy and unhealthy foods, increased perishability of some healthy foods, time for food preparation and meals, lack of awareness and poor dietary habits. Most citizens in the United States are unaware of where their food comes from. Urban agriculture can play an important role in improving nutrition security in the local community by increasing access to healthy foods and enhancing the community's connection to food production and preservation. Community and school gardens are a successful way to reconnect adults and children to their food; especially healthier food options. Urban and peri-urban agriculture can take many forms. Fruits and vegetables are particularly suited to these locations because they can be grown on small plots, providing income and healthy foods. Plants can be produced in open fields, pots, or raised bed, on trellises and rooftops, and in greenhouses or specialized buildings. Plant production in urban areas also reduces the amount of heat generated within cities, making the city "greener". However, there are challenges to the success of urban agriculture related to food safety and policy restrictions that must be addressed through dialogue among a range of stakeholders in the community. Working together, the many benefits of urban farming will be achieved.

11:00 – 11:45 a.m. **

Training for Urban Farmers - Live Discussion Session

Outreach, Training and Technical Assistance (T&TA) Resources for Limited Literacy Farmers - Hugh Joseph, ISED Solutions

Hydroponics in Jail - Hannah Wooten, University of Florida

Refugee Farmer Development at Juniper Gardens Training Farm - Semra Fetahovic, Cultivate KC

Denver Botanic Gardens: Expanding the Role of Public Gardens in Urban Food Systems - Brien Darby, Denver Botanical Gardens

11:45 – 12:00 p.m.

Networking Break: Nutrition and Nutrition Educations & Community

12:00 – 1:00 p.m.

Invited Speaker: Karen Washington – Food Justice is More than Growing Food and Feeding People – LIVE | Sponsored by KS SARE

People in poor urban and rural communities are told that if they want food security, all they have to do is grow their own vegetables., give up soda and exercise, as if, by magic, eating vegetables and drinking water are going to solve the problems in the food system, without looking at the institutional. Environmental and structural determinants that reinforce racism in today's society. How has COVID-19 changed the way people now think.

1:00 – 1:15 p.m.

Social Break: Sponsored by Kansas State University Global Food Systems Initiative

1:15 – 2:15 p.m. *

Poster Session 5: Training for Urban Farmers and Professional Development - Live Discussion

Growing Young Minds and Healthy Communities with Aeroponic Tower Gardens - Kristie Vogelsberg, Tower Garden

Competencies for Practitioners Working in Food Systems - Courtney Long, Iowa State University Extension and Outreach

Determination of Soft Skills Expected for Professionals in the Urban Food System Industry - Kenny Artavia, Kansas State University

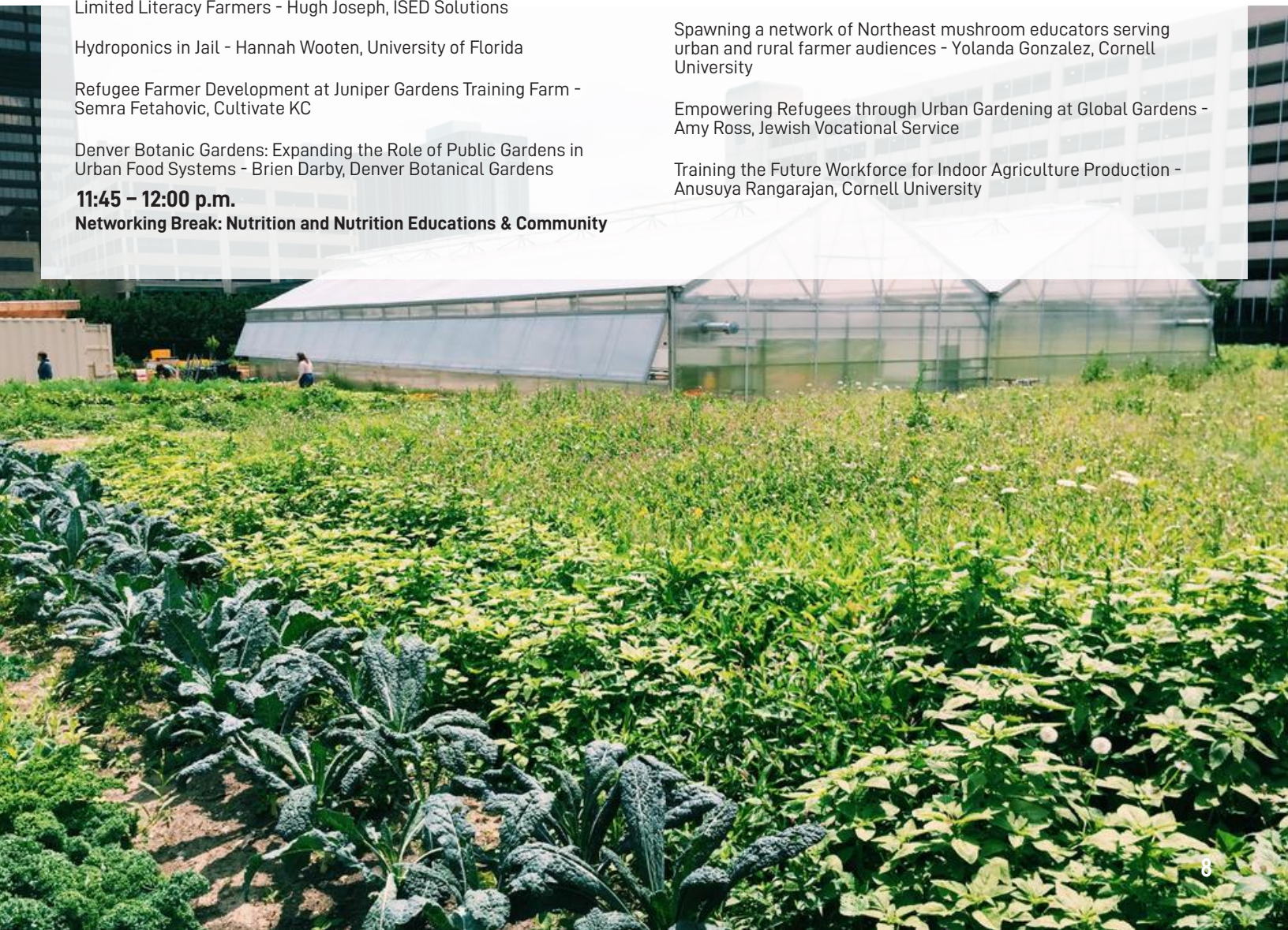
The Partnered Apprenticeship Model: Implications for Beginning Farmer Learning and Program Development - Jesse Gilmore, Kansas State University

Beginning Farmer Wholesale Project - Megan McManus, Kansas State University

Spawning a network of Northeast mushroom educators serving urban and rural farmer audiences - Yolanda Gonzalez, Cornell University

Empowering Refugees through Urban Gardening at Global Gardens - Amy Ross, Jewish Vocational Service

Training the Future Workforce for Indoor Agriculture Production - Anusuya Rangarajan, Cornell University



Wednesday, October 28

10:00 – 11:00 a.m.

Invited Speakers: Dr. Jill Clark and Dr. Jennifer King – 'Fixes that Fail': Using community-based systems modeling to diagnose injustice in the food system – LIVE

A legacy of racist policies in the US has embedded inequities and injustices into the American food system. Disparities in access to nutritious food, food insecurity and chronic disease illuminate these injustices. Yet, solutions largely fail to address the underlying complexity of the food system, and the underlying "rules of the game" that, for example, treat Black people differently than White people. Also, solutions are most often designed without including the perspective of people whom the solution is meant to benefit. A project based in previously redlined neighborhoods in Cleveland, Ohio, Modeling the Future of Food in Your Neighborhood (foodNEST 2.0), works to address these two deficits in approach. In the words of our university-community partners, the foodNEST 2.0 team is "doing research with the community to make positive neighborhood change in the forces that impact fair access to fresh and healthy foods and financial strength within households. The team is using system dynamics modeling to identify critical points in the food system that can tip things towards fairness." In this talk, you will be introduced to our participatory approach to systems dynamic modeling, and be presented the model built by our community-university team. Finally, you will get a primer on diagnosing problematic patterns in food systems that reveal root causes of problems, providing a new way to think about justice-oriented interventions in the system.

11:00 – 11:45 a.m. **

Urban Planning and Development - Live Discussion Session
Changing Zoning Codes to Incentivize Urban Agriculture and Increase Food Access - Whitney Shields, Vermont Law School

Healthy Food Access is More About its Affordability Than its Proximity - Aurora Buffington, University of Nevada Reno Extension

Community Gardens: Food Insecurity, Site Suitability, and the Masterminds Behind It All - Michelle Nelson, Maryland National Capital Park and Planning Commission

11:45 – 12:00 p.m.

Networking Break: Urban Planning & Policy and Government

12:00 – 12:45 p.m. **

Urban Food Distribution Systems - Live Discussion Session
Using Participatory Research to Expand the Customer Base of Farmers' Market Shoppers - Gail Feenstra, University of California, Davis

The Kansas City Food Hub: Farmer-Owned, Farmer-Run - Katie Nixon, The Kansas City Food Hub

Willingness-to-Pay for Lettuce Labeled as: Local, Organic, Pesticide-Free, Indoor-Grown, Outdoor-Grown - Maya Ezzeddine, Cornell University

Maintaining the Quality of Locally Grown Spinach with the Implementation of Passive Modified Atmosphere Packaging - Konstantinos Batziakas, Kansas State University

12:45 – 1:00 p.m.

Break

1:00 – 1:45 p.m. **

Nutrition and Food Security in Cities - Live Discussion Session
Investigating New Orleans Food Deserts: Causes and Best Practices
Lexi Mestas, Rutgers University

Addressing Food Security through Cooperative Urban Farming - Tim McDermott, Initiative for Food and AgriCultural Transformation (InFACT)

Utilization of a Food Security Audit Tool in a Graduate-level Course - Eleni Pliakoni, Kansas State University

Suzanne Mills-Wasniak, The Ohio State University Extension - Homeless Shelter Food Production: Positive Implications for Clients and Volunteers

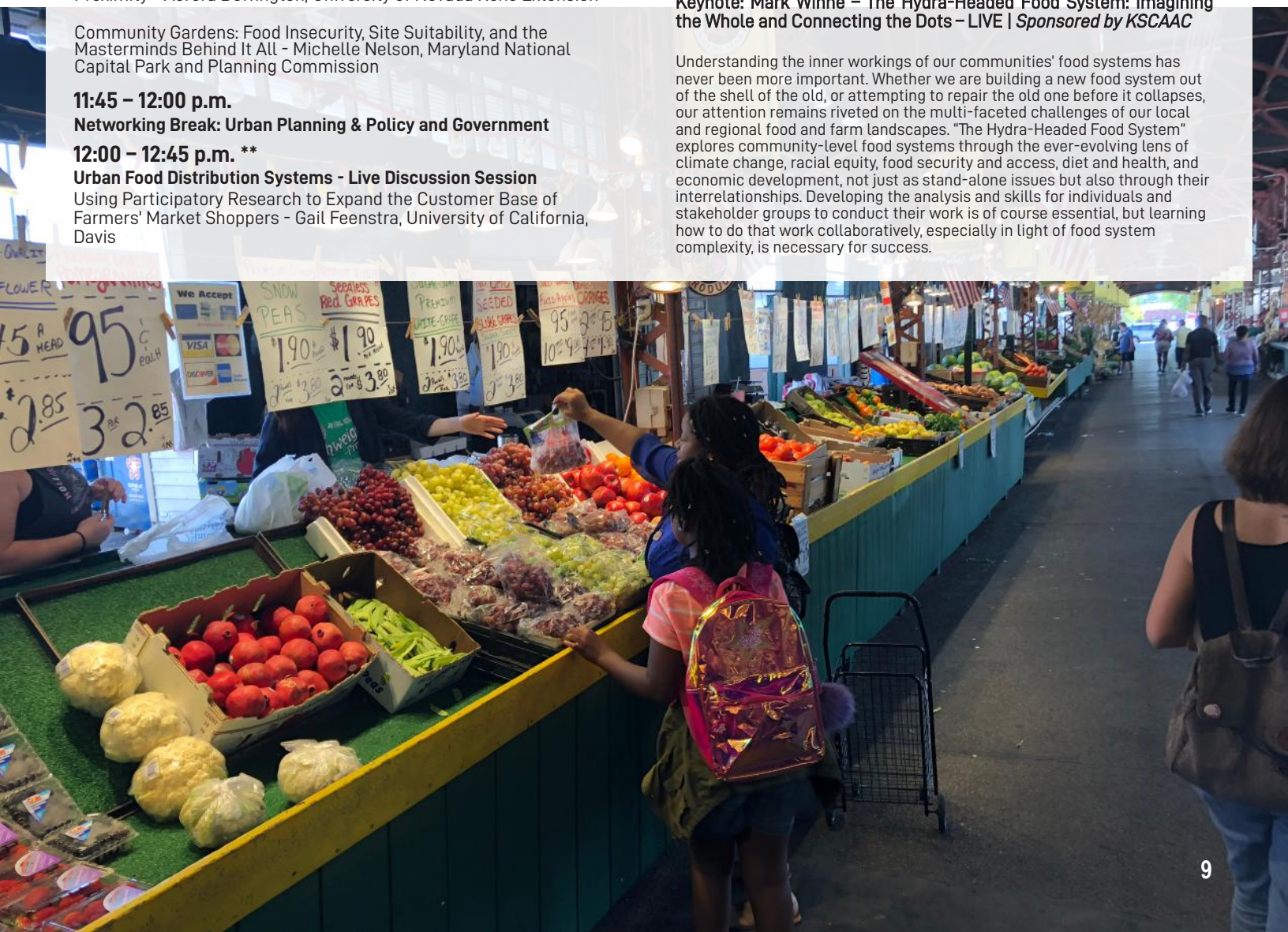
1:45 – 2:00 p.m.

Social Break: Sponsored by Kansas Department of Agriculture

2:00 – 3:00 p.m.

Keynote: Mark Winne – The Hydra-Headed Food System: Imagining the Whole and Connecting the Dots – LIVE | Sponsored by KSAC

Understanding the inner workings of our communities' food systems has never been more important. Whether we are building a new food system out of the shell of the old, or attempting to repair the old one before it collapses, our attention remains riveted on the multi-faceted challenges of our local and regional food and farm landscapes. "The Hydra-Headed Food System" explores community-level food systems through the ever-evolving lens of climate change, racial equity, food security and access, diet and health, and economic development, not just as stand-alone issues but also through their interrelationships. Developing the analysis and skills for individuals and stakeholder groups to conduct their work is of course essential, but learning how to do that work collaboratively, especially in light of food system complexity, is necessary for success.





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