

AGENDA

The Second International FEWSUS Student Workshop “Food-Energy-Water Nexus for Urban Sustainability”



May 11-12, 2022
Virtual Event (<https://fewsus.utk.edu>)

SPONSORS & ORGANIZERS



WORKSHOP OBJECTIVES

The workshop aims to:

- Share research and perspectives on food-energy-water nexus and urban and regional sustainability;
- Foster networking of student researchers among different countries; and
- Provide professional development training at transdisciplinary and transcultural levels.

OVERALL AGENDA

Day	U.S. Eastern Time	Scheduled Activity
May 11	8:30-8:40 am	Opening Ceremony
	8:40-11:30 am	Thematic Sessions <ul style="list-style-type: none">• Theme 1: Responsible Consumption and Production• Theme 2: Zero Hunger• Theme 3: Affordable Energy and Clean Energy
May 12	8:30-11:20 am	Thematic Sessions <ul style="list-style-type: none">• Theme 4: Urban Water Security and Sanitation• Theme 5: Sustainable Cities and Communities
	11:20-11:30 am	Closing Ceremony

Note: U.S. Eastern Time 8:30—11:30 am; Beijing Time 8:30-11:30 pm

Zoom Access to the workshop: <https://tennessee.zoom.us/j/93010807767> Password: FEWSUS
FEWSUS International Student workshop webpage: <https://fewsus.utk.edu/spring-2022-international-student-workshop/>

WORKSHOP ORGANIZERS

NSF Project: iRCN for Creating Transdisciplinary Nodes of Food-Energy-Water to Support Sustainable Urban Systems (FEWSUS)

Senyang Agricultural University, China

University of Tennessee, USA

FEWSUS Student Network

Day 1: Wednesday, May 11, 2022	
8:30-8:45	WELCOME & OPENING REMARKS — Chair: Kathryn Kavanagh (The University of Tennessee)
	<ul style="list-style-type: none"> • Welcome and Introduction of Workshop Goals and Student Network (Kathryn Kavanagh, The University of Tennessee) • Strengthening Global Academic Partnerships for Sustainable Development (Dr. John Stier, Associate Dean and Professor, Herbert College of Agriculture, The University of Tennessee)
	Theme 1: Responsible Consumption and Production Chairs: Kathryn Kavanagh (The University of Tennessee); Wenhao Bo (Shenyang Agricultural University)
8:45-8:50	Student FEWSUS Network Introductory Video
8:50-9:00	*NSF research opportunities for undergraduate and graduate students Alivia Nytko, The University of Tennessee, USA (Best Presentation Award Winner of 2021 Student Workshop)
9:00-9:15	Food bank: A societal effort to reduce food loss and waste Ye Li, The University of Tennessee, USA
9:15-9:30	Long-time N-based fertilizing changed community composition of nitrogen fixers Yinghui Chow, Shenyang Agricultural University, China
9:30-9:45	The impact of COVID-19 on the use of ICT for food procurement in short commercialization circuits in Mexico Victor Beltrán, COLPOS Veracruz, México
9:45-10:00	Break
	Theme 2: Zero Hunger Chairs: Alivia Nytko (The University of Tennessee), Yuexi Yao (Shenyang Agricultural University)
10:00-10:15	*Let chickens eat worms again: to push forward sustainable urban-rural coordinated development Zhijing Wu, Shenyang Agricultural University, China
10:15-10:30	Study on the structure and stability of typical black soil aggregates in Northeast China based on Le Bissonnais method Huazheng Liu, Shenyang Agricultural University, China
10:30-10:45	Improving food security with respect to its nexus with water and energy in UAE Mabood Farhadi, The University of Tennessee, USA
	Theme 3: Affordable Energy and Clean Energy Chairs: Duncan McCurry (The University of Tennessee), Yushan Han (Shenyang Agricultural University)
10:45-11:00	*Energy wars — costs and consequences of continued trade of non-renewable energy resources Amanda Kramer, The University of Tennessee, USA
11:00-11:15	A green promotion in urban cold food supply chain Shuhua Xie, The University of Tennessee, USA
11:15-11:30	Energy accessibility and the middle class in Africa Aaron Desmond, The University of Tennessee, USA

*keynote

Day 2: Thursday, May 12, 2022	
	Theme 4: Clean Water and Sanitation Chairs: Yushan Han (Shenyang Agricultural University), Yu Bi (Shenyang Agricultural University)
8:30-8:45	*Food-energy-water for disaster preparedness and recovery Anderson St. Jean, Universite de Jeremie, Haiti
8:45-9:00	Characterization and comparison of bacterial communities in cadmium-contaminated soil Richard Owusu Ansah (Ghana), Shenyang Agricultural University, China
9:00-9:15	Adsorption of pollutants in aqueous phase by manure-based biochar Xiaoyu Liu, Shenyang Agricultural University, China
9:15-9:30	Solvent-free synthesis of magnetic carbon-based catalyst for emerging applications Tianchi Lin, Shenyang Agricultural University, China
9:30-9:45	How to make urban water more environmentally friendly and ecological? Can Liu, Shenyang Agricultural University, China
	Theme 5: Sustainable Cities and Communities Chairs: Guido Bambini (Universidad Nacional de Rosario Argentina); Yinghui Chow (Shenyang Agricultural University)
9:45-10:00	*Creating a network of urban food sources to combat rising food insecurity in the US Duncan McCurry, University of Tennessee, USA
10:00-10:15	Sustainable development — sponge city Yuexi Yao, Shenyang Agricultural University, China
10:15-10:30	SDG 17: Strengthening alliances for urban sustainability: the case of the city of Rosario, Argentina Guido Bambini, National University of Rosario, Argentina (Best Presentation Award Winner of 2021 Student Workshop)
10:30-10:45	Sustainable cities and communities Fengyu Zhang, Shenyang Agricultural University, China
10:45-11:00	Sustainable urban growth in Nigeria Busiri Soran Dinki (Nigeria), Shenyang Agricultural University, China
11:00-11:15	Empowering Ugandan youth in the groundnut value chain using photovoice: A path towards urban sustainability Annie Carter, University of Tennessee, USA
11:15-11:30	AWARD & CLOSING REMARKS — Chair: Kathryn Kavanagh (The University of Tennessee)
	<ul style="list-style-type: none"> • Best Presentation Award Announcement (Sara Mulville, FEWSUS Manager, The University of Tennessee) • Workshop Summary and Forward Looking (Dr. Bingxue Li, Associate Dean and Professor, College of Land and Environment, Shenyang Agriculture University)

*keynote