

iFAST: The International Forum on Advanced Environmental Sciences and Technology

A series of distinguished seminars by eminent scientists

8 a.m. CST, 9 a.m. EST; 2 p.m. GMT, 10 p.m. China

Wednesday, Dec. 14, 2022



Lutgarde Raskin is the Vernon L. Snoeyink Distinguished University Professor of Environmental Engineering at the University of Michigan. Raskin is a pioneer in molecular microbial ecology applied to engineered water systems. She is developing anaerobic bioprocesses for resource recovery from waste streams and studies microbial aspects of drinking water systems. She has a strong interest in graduate education and mentoring and has advised approximately 20 postdocs and 100 graduate students, including about 30 Ph.D students. She is an elected Fellow of the American Academy of Microbiology, the International Water Association and the Water Environment Federation. Past honors include the Rackham Distinguished Graduate Mentor Award, College of Engineering Stephen S. Atwood Award, the International Society for Microbial Ecology-International Water Association BioCluster Award, the Association of Environmental Engineering and Science Professors Frontier Award in Research, and the Water Research Foundation Paul L. Busch Award for Innovation in Applied Water Quality Research. She was elected to the U.S. National Academy of Engineering in 2021.

LUTGARDE RASKIN **UNIVERSITY OF MICHIGAN**

<https://cee.engin.umich.edu/people/raskin-lutgarde/>

Researcher-Utility Partnerships for Improving Microbial Drinking Water Quality and Reduce the Risk of Opportunistic Infections

While drinking water treatment typically protects people from waterborne diseases, opportunistic pathogens, or microorganisms that primarily infect people with compromised immune systems or other health conditions, remain of concern. My research group has partnered with the City of Ann Arbor, Michigan, USA, Drinking Water Treatment Plant for over a decade. Much of our collaborative research has focused on opportunistic bacterial pathogens in treatment processes, distribution systems and building plumbing. I will present an overview of our collaboration to inspire others to engage in researcher-utility partnerships and illustrate how research collaborations with drinking water utilities have the potential to change practice.



DODGE FAMILY COLLEGE OF ARTS AND SCIENCES
INSTITUTE FOR ENVIRONMENTAL GENOMICS
The UNIVERSITY of OKLAHOMA



中南大學
CENTRAL SOUTH UNIVERSITY

Zoom webinar ID: 934 8142 2012 (zoom.us/j/93481422012)

More details and previous iFAST seminar videos are available on www.ou.edu/ieg/seminars.

Organizing Committee Chair: Jizhong Zhou (University of Oklahoma, USA; www.ou.edu/ieg)
Xueduan Liu (Central South University, China)

The University of Oklahoma is an equal opportunity institution. www.ou.edu/eoo