



CASE SCHOOL
OF ENGINEERING

CASE WESTERN RESERVE UNIVERSITY

Department of Civil Engineering

Bingham Bldg. Room 208
10900 Euclid Ave
Cleveland, OH 44106

Department of Civil Engineering Seminar

Designing the (Water) City of the Future

Glen Daigger, Member of National Academy of Engineers,
Department of Civil and Environmental Engineering, University of Michigan

Friday December 6, 2019, 12:45-1:45PM @ Bingham 103
Lunch and discussion at 12:00PM at Bingham 102 (Vose Room)

Abstract

Transforming urban areas to become more resource efficient represents one key to transitioning to a more sustainable future. Urban transformations also offer the potential to enhance human well-being, as the majority of humans across the planet live in urban areas, and in developed countries like the U.S. more than 80 % of the population lives in urban areas. Water represents one of the essential services that must be provided, including in urban areas. While the emphasis of water service provision has historically been on human health, current and evolving approaches offer significant opportunities to further enhance human healthy while also achieving greater resource efficiency and broadly enhancing human well-being. Example transformations will be described, along with the technical, economic, and social challenges associated with realizing them.

About the Speaker: Dr. Daigger is currently Professor of Engineering Practice at the University of Michigan and President and Founder of One Water Solutions, LLC, a water engineering and innovation firm. He previously served as Senior Vice President and Chief Technology Officer for CH2M HILL where he was employed for 35 years, as well as Professor and Chair of Environmental Systems Engineering at Clemson University. Actively engaged in the water profession through major projects, and as author or co-author of more than 100 technical papers, four books, and several technical manuals, he contributes to significantly advance practice within the water profession. He has advised many of the major cities of the world, including New York, Los Angeles, San Francisco, Detroit, Singapore, Hong Kong, Istanbul, and Beijing. Deeply involved in professional activities, he is currently a member of the Board of Directors of the Water Research Reuse Foundation (TWRf), and a Past President of the International Water Association (IWA). The recipient of numerous awards, including the Kappe, Freese, and Feng lectures and the Harrison Prescott Eddy, Morgan, and the Gascoigne Awards, and the Pohland Medal, he is a Distinguished Member of the American Society of Civil Engineers (ASCE), a Distinguished Fellow of IWA, and a Fellow of the Water Environment Federation (WEF). A member of a number of professional societies, Dr. Daigger is also a member of the U.S. National Academy of Engineers.

