



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

FACULTY OF CONSTRUCTION AND ENVIRONMENT
建設及環境學院

FCE

DISTINGUISHED LECTURE

With Attendance Certificate



Charting a Path to a More Secure Urban Water Future

Prof. David Sedlak
University of California at Berkeley

Date: 28 May 2018 (Monday)
Time: 6:00p.m.-7:00p.m.
Venue: Room Y305,
The Hong Kong Polytechnic University

Abstract

Over the past 2,500 years, three technological revolutions have made it possible to quench the thirst of cities, control waterborne diseases and eliminate the pollutants that fouled urban waterways. Water-stressed cities are currently making large investments in new, centralized approaches for obtaining drinking water that can be considered as a fourth water revolution. For example, cities in California, Texas and Colorado are turning to the reuse of municipal wastewater, harvesting of urban runoff and desalination of seawater to substitute for increasingly unreliable imported water sources. But this may not be good enough. Challenges associated with climate change, sea-level rise, emerging contaminants and competition for water resources may require us to develop new strategies that involve active management of natural systems as well as use of distributed water treatment systems. The changes required to enhance urban water security will also require institutional reforms and increased engagement with the public. Ultimately, the right approach for enhancing water security will depend upon local factors including geography, geology, culture and leadership.

About the Speaker

David Sedlak is the Plato Malozemoff Professor in the Department of Civil & Environmental Engineering at UC Berkeley, Co-Director of the Berkeley Water Center and Deputy Director of the NSF engineering research center for Reinventing the Nation's Urban Water Infrastructure (ReNUWIt). Professor Sedlak's research addresses the use of natural and engineered systems to improve water quality and new approaches for increasing the sustainability and resiliency of urban water systems. Sedlak is a member US National Academy of Engineering, recipient of the NSF CAREER Award, the Paul Busch Award for Innovation in Applied Water Quality Research and the Clarke Prize for Excellence in Water Research. Sedlak is the author of *Water 4.0: The Past, Present and Future of the World's Most Vital Resource* and serves as editor-in-chief of the American Chemical Society journal, *Environmental Science & Technology*.



Please register online at <https://www.polyu.edu.hk/fce/news-event/upcoming-events/20180528>
For enquiries, please contact Miss Ally Lo at
Tel: 3400-3877 | Email: ally.lo@polyu.edu.hk

All Interested Are Welcome

HK PolyU - Faculty of Construction and Environment

Registration

- Free of Charge
- An attendance certificate will be issued to each registered participant.
- Priority will be given to current members of the Alumni Associations under the Faculty of Construction and Environment. Please send a copy of your membership card to ally.lo@polyu.edu.hk for verification.
- Applicants (including members of Alumni Associations) with confirmed registration who fail to turn up may have a lower priority in the registration for future Faculty events.

- By registering for the lecture, it is understood that you have agreed to the following terms and conditions:
1. Please note that both the start and the end of the lecture may be delayed (including the Q & A time). The Faculty will only distribute certificates to participants after the lecture is over as signified by the presentation of a souvenir to the speaker. Certificates of attendance will only be provided to participants if they stay for the whole lecture.
 2. Certificates of attendance will not be provided to participants who are late for more than 10 minutes, or leave before the lecture is finished.
 3. The Faculty reserves the right of final decision in any disputes over the issuance of certificates of attendance.

