



## Scientists' Luncheon

*Organized by WEF, AEESP, and AAEEES  
Monday, October 1, 2018, 12:00-1:30 pm*

Space is still available for this luncheon. A ticket is required to attend. Register at <https://weftec.org/attend/register/for-attendees/>

WEF, the Association of Environmental Engineering and Science Professors (AEESP), and the American Academy of Environmental Engineers and Scientists (AAEES) are pleased to sponsor the Scientists' Luncheon featuring a panel of world renowned scientists who will discuss the role of scientists today. ***Drs. Diane Rigos (MIT), Mark van Loosdrecht (Technical University of Delft), and Bill Mitsch (Florida Gulf Coast University)*** will touch on many issues of pressing importance to the practice and application of research.



### **Dr. Diane Rigos, MIT**

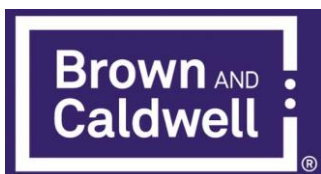
Dr. Angeliki Diane Rigos is a scientist, educator, and consultant interested in working across disciplines to promote sustainable solutions to global problems. She is the Executive Director of the Tata Center for Technology and Design.

Her career has spanned both industrial and academic positions, including Principal Scientist at Physical Sciences Inc., Associate Professor and Chair of Chemistry and Biochemistry at Merrimack College, and Executive Consultant at Levitan & Associates, Inc.

Her research interests have ranged from materials modeling and reaction dynamics to power price forecasting and analysis. Dr. Rigos has been a visiting scientist at the Massachusetts Institute of Technology, Harvard University and Northeastern University. She

volunteers in startup accelerators, as an industry mentor in Cleantech Open and an industry champion at MassChallenge.

Dr. Rigos received a B.A. in Chemistry from Cornell University, a Ph.D. in Physical Chemistry from the Massachusetts Institute of Technology, and an M.B.A. from Northeastern University.



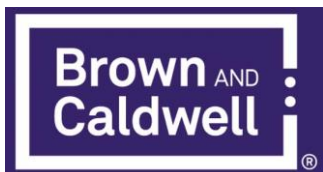
***AEESP is grateful to Brown and Caldwell  
for their generous support of this  
Scientists Lunch panel of speakers.***

**Dr. Mark C.M. van Loosdrecht, Technical University of Delft**

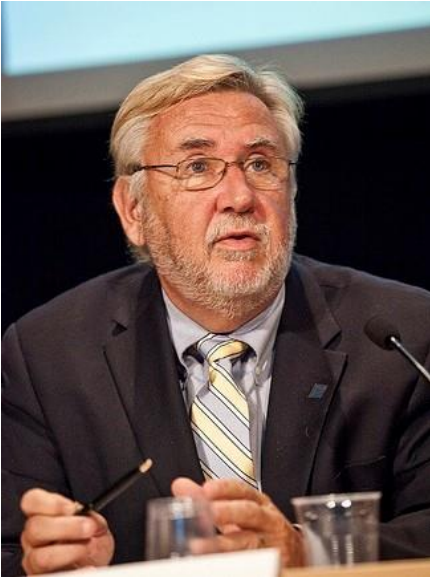
Mark van Loosdrecht is professor in Environmental Biotechnology. His scientific interests are mainly focused on biofilm processes, nutrient conversion, and the role of storage polymers in microbial ecology. He is especially interested in new processes for wastewater treatment and resource recovery from organic waste. His research has resulted in several processes that are currently implemented as full-scale systems (e.g., Sharon, Anammox, and Nereda technology). Processes related to resource recovery include cellulose recovery, phosphate recovery as vivianite, production of bioplastics and alginate-like polymers. He has received several awards for his work including the *Simon Stevin Award*, *Spinoza Award*, *Lee Kuan Yew Singapore Water Prize*, *Stockholm Water Prize*, the *IWA Grand Award* and an honorary doctorate from the ETH-Zurich and Gent University. He is a member of the Royal Dutch Academy of Arts and Sciences (KNAW) and the Dutch Academy of Engineering (ActI) as well as the US National Academy of Engineering. He has been awarded a knighthood in the order of the Dutch Lion.



He has published over 700 scientific papers, over 15 patents, and has supervised over 50 Ph.D. students. He serves as Editor-in-Chief of *Water Research*.



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**Dr. William J. Mitsch, Florida Gulf Coast University**

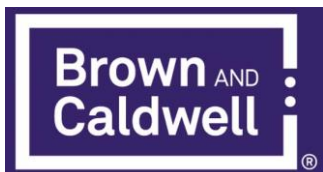
Bill Mitsch, born and raised in the Ohio River town of Wheeling, West Virginia, has been Eminent Scholar and Director, Everglades Wetland Research Park, and Juliet C. Sproul Chair for Southwest Florida Habitat Restoration at **Florida Gulf Coast University** in Naples Florida since October 2012. He received a B.S. in mechanical engineering from the **University of Notre Dame**, and an M.E. in environmental engineering and a Ph.D. in systems ecology under H.T. Odum, both at the **University of Florida**. Before coming back to Florida, he was a professor “up north” for 36 years including the last 26 years as Distinguished Professor of Environmental Science and Founding Director of the *Olentangy River Wetland Research Park* at **The Ohio State University**. He currently holds courtesy or emeritus faculty appointments at **University of South Florida, University of Florida, and The Ohio State University**.

His research and teaching have focused on wetland ecology and biogeochemistry, ecological modelling, and ecological engineering of wetlands, rivers, and landscapes. His over 700 publications include 5 editions of the text/reference book *Wetlands*. He founded in 1992 and served for 25 years as editor-in-chief of the international journal *Ecological Engineering*. He is Past President of the *Society of Wetland Scientists* and *American Ecological Engineering Society*, the latter which he founded. He has given almost 400 invited presentations around the world on wetlands, ecological engineering and restoration, and related topics.

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