

## Managing the Physical, Chemical and Ecological **Challenges of Sediments**



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## **Thursday** March 21, 2019

103 Churchill Hall 12:00 PM

This seminar is free and open to the public.

are increasingly recognized as an the United States. important component of the ecology of rivers. lakes and harbors. efforts to control floods and water Chair natural processes and hinder the He holds a PhD normal function of these systems. Engineering They are also the ultimate repository Institute of Technology. of many of the contaminants we Board those systems. of assessment and requires the application of engineering contaminated sediment environment and how to transport manner. The presentation will be on the ecological challenges in currently the lead scientist on the legacy contamination by hydrophobic middle and lower Yangtze River.

Abstract: Contaminated sediments organics and mercury in the rivers of

Human About: Dr. Reible is the Donovan actions and historical engineering Maddox Distinguished Engineering Paul Whitfield Horn and flows have disrupted many of the Professor at Texas Tech University. in from the California He is a Certified Environmental release into the environment and the Engineer, a Professional Engineer legacy of this contamination now (LA) and in 2005 was elected to the poses a substantial barrier to recovery National Academy of Engineering for Effective the "development of widely used management approaches for the management of sediments". His principles to understand the natural research is focused on the fate, and management effectively intervene in the most contaminants in the environment and efficient, effective and least disruptive the sustainable management of water will resources. He has authored or edited summarize some recent activities by six books and more than 190 journal our group to more effectively assess articles and book chapters. Research and manage surface waters and support as a principal investigator has sediment challenges. The emphasis totaled more than \$35 million. He is the lower Yangtze of the Three Chinese 111 project on Eco-Fluvial Gorges Project in central China and Dynamics examining the ecological the assessment and management of and environmental challenges in the