

# SCHOLAR ON CAMPUS GEOPHYSICS LECTURE

**TUESDAY, FEBRUARY 28, 2017  
4:00PM - 5:30PM NAMM 119**

**The Geophysical, Anthropogenic, &  
Social Dimensions of Coastal Risk:  
Assessment of Change in Populated River Deltas**



**DR. ZACHARY  
TESSLER**

Dr. Zachary Tessler is a Research Assistant Professor and manager of the Coastal Science Synthesis Facility at the CUNY Advanced Science Research Center. An Environmental Scientist with a background in physical oceanography, Dr. Tessler's research focuses on human-induced change in river delta systems, and how those changes affect the risk borne by coastal communities. He has published research articles in scientific journals including *Science*, *Proceedings of the National Academies of Science*,



*Remote Sensing, and Sustainability Science*. Dr. Tessler developed and maintains a database of delta risk indices and associated GIS data for 48 globally-distributed deltas for use by the larger research community, available at <http://www.globaldeltarisk.net>. He also was an active member of the Inter-Sectoral Model Intercomparison Project, producing global hydrological projections under several future forcing scenarios for community use.