

HUMANITARIAN ENGINEERING GUEST LECTURE SERIES FALL 2013

Co Sponsored by Engineers Without Borders (EWB) and Bridges to Prosperity (B2P)

Dr. Amy Javernick-Will* Presents:

Engineering Recovery: Pathways to Community Reconstruction After Tsunamis

Despite efforts to improve community resilience to disasters, the number and economic impact of disasters has increased annually over the last quarter decade. To improve recovery efforts, a study at CU analyzed pre-disaster community factors and post-disaster recovery strategies in fifteen tsunami-affected rural hamlets in Tamil Nadu, India, to determine what factors, combined or in isolation, enabled recovery.

The research team collected data through 106 semi-structured interviews, observations, and existing documentation and analyzed this data set for infrastructure, social, and economic recovery using fuzzy-set qualitative comparative analysis (fsQCA). This talk will discuss the research and the findings, which can help practitioners target specific areas to help build community resilience prior to disasters and enable more successful recovery following disasters.



Wednesday,

October 9, 2013

4 - 5 PM

SC Ballroom C

Serving light refreshments



Photos from Amy Javernick-Will

*Amy Javernick-Will is an Assistant Professor and Construction Engineering Management Fellow in the Civil, Architectural, and Environmental Engineering Department at the University of Colorado—Boulder. Her research focuses on global construction and engineering projects and the organizations that design, construct, operate and maintain these projects. She is particularly interested in the intersection between social and infrastructure systems in developing communities.