Department of
Information Science Technology
Cullen College of Engineering

IST Seminar Series Presents:

¡Alerta! Engineering on Shaky Ground

Dr. Elizabeth Reddy
Department of Engineering, Design, & Society
Colorado School Of Mines, reddy@mines.edu

Friday, Oct. 27, 2023 2:30PM-3:30PM (Central Time)
Location: MS Teams (see link below)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDEwYTBiMjUtNmEwMi00YWZlLTk2MDEtNTlhZjk1MTc5MzZi%40thread.v2/0?context=%7b%22Tid%22%3a%22170bbabd-a2f0-4c90-ad4b-0e8f0f0c4259%22%2c%22Oid%22%3a%22c9f8dd10-bdbf-4c7a-bc65-d4bc72037cbe%22%7d

Abstract: The Sistema de Alerta Sísmica Mexicano is the world's oldest public earthquake early warning system. Given the unpredictability of earthquakes, the technology was designed to give the people of Mexico City more than a minute to prepare before the next big quake hits. How does this kind of environmental monitoring technology get built in the first place? How does its life-saving promise align with reality? And who shapes modern risk mitigation?

Dr. Reddy will take us on a vivid journey into the world of Mexican earthquake risk mitigation, with critical insights for anthropologists and science and technology studies scholars, as well as specialists in the geosciences, engineering, and emergency management.

Biosketch: Elizabeth Reddy hold a PhD in anthropology from the University of California at Irvine. She studied engineering education as a post doc in the Shiley-Marcos School of Engineering at the University of San Diego from 2017-2018, and Dr. Reddy is now an Assistant Professor of Engineering, Design, & Society at Colorado School of Mines and holds a joint appointment in Geophysics. Dr. Reddy has done research in clinics, laboratories, field stations, archives, and offices to study how engineers, scientists, medical professionals, and technicians address hazards to human wellbeing. Her work on earthquakes and risk mitigation technology in Mexico and the US has been funded by research grants from the NSF, the Society for the History of Technology, the American Institute for Physics, and others.