

**Name:** Ahmed Elgamal  
**Employer:** Department of Structural Engineering  
University of California, San Diego (UCSD)  
**Title:** Professor



Ahmed Elgamal Chaired the Department of Structural Engineering from 2003 to 2007. In 1984, he received his Ph.D. from Princeton University. He joined UCSD in 1997 as Professor after a post-doctoral appointment at the California Institute of Technology (1985-86), and faculty positions at Rensselaer Polytechnic Institute (1986-96) and Columbia University (1996-97). He served (2006-2007) as Principal Investigator of the Network for Earthquake Engineering IT project ( <http://it.nees.org> ) and as a Thrust Area Leader (2001-2007) of the Pacific Earthquake Engineering Research (PEER <http://peer.berkeley.edu/> ) Center. His areas of research interest include large-scale soil-structure experimental and computational simulation of liquefaction and related mitigation approaches, Information Technology (IT) applications in Civil Engineering research and education, and interpretation of recorded seismic response through system-identification and data mining procedures. Incorporation of IT into structural engineering is currently among his main research areas, with emphasis on Health Monitoring of Structures and Earthquake Engineering. Internet applications include sensor networks for monitoring the civil infrastructure, with real-time condition assessment and decision-making algorithms (<http://healthmonitoring.ucsd.edu>). Integration of research and education with live web-accessible experiments is a main interest (<http://webshaker.ucsd.edu> ). He is author and co-author of over 200 Technical Publications.