Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Civil and Environmental Engineering

Publications

PUBLICATIONS

- **Evolution of seismic risk management for insurance over the past 30 years** *Earthquake Engineering and Engineering Vibration*
  Shah, H. C., Dong, W., Stojanovski, P., Chen, A.
  2018; 17 (1): 11–18

- **Catastrophe Micro-Insurance for Those at the Bottom of the Pyramid: Bridging the Last Mile** *14th European Conference on Earthquake Engineering (14ECCE)*
  Shah, H. C.
  SPRINGER.2010: 549–561

- **Catastrophe Risk Management in Developing Countries and the Last Mile** *International Conference on the 250th Anniversary of the 1755 Lisbon Earthquake*
  Shah, H. C.
  SPRINGER.2009: 111–120

- **The last mile: earthquake risk mitigation assistance in developing countries** *Discussion Meeting on Extreme Natural Hazards*
  Shah, H. C.
  ROYAL SOC.2006: 2183–89

- **Urban earthquake disaster risk assessment and management** *1st International Workshop on Vrancea Earthquakes*
  SPRINGER.1999: 287–307

- **Understanding time variation of risk - Crucial implications for megacities worldwide** *Applied Geography*
  Kakhandiki, A., Shah, H.

- **The strategy effectiveness chart - A tool for evaluating earthquake disaster mitigation strategies** *Applied Geography*
  Gupta, A., Shah, H. C.

- **Engineering role in failure cost evaluation for buildings** *Asian-Pacific Symposium on Structural Reliability and Its Applications (APSSRA95)*
  Kanda, J., Shah, H.
  ELSEVIER SCIENCE BV.1997: 79–90

- **A rational approach to pricing of catastrophe insurance** *Conference on the Social Treatment of Catastrophic Risk*
  Dong, W. M., Shah, H., Wong, F.
• **WSSI - A dream, a challenge, and a time for action** *10th European Conference on Earthquake Engineering*
  Shah, H. C., Katayama, T.
  A A BALKEMA PUBLISHERS.1995: 3–10

• **APPLICATION OF THE BOOTSTRAP METHOD TO QUANTIFY UNCERTAINTY IN SEISMIC HAZARD ESTIMATES** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  Lamarre, M., TOWNSHEND, B., Shah, H. C.
  1992; 82 (1): 104-119

• **FAILURE POSSIBILITY OF EXISTING BUILDINGS** *CIVIL ENGINEERING SYSTEMS*
  Dong, W., Chiang, W. L., Shah, H. C., Wong, F. S.
  1989; 6 (4): 170-179

• **VERTEX METHOD FOR COMPUTING FUNCTIONS OF FUZZY VARIABLES** *FUZZY SETS AND SYSTEMS*
  Dong, W. M., Shah, H. C.
  1987; 24 (1): 65-78

• **IRAS - AN EXPERT SYSTEM FOR EARTHQUAKE INSURANCE AND INVESTMENT RISK ASSESSMENT** *US-ASIA CONF ON ENGINEERING FOR MITIGATING NATURAL HAZARDS DAMAGE*
  Shah, H. C., Wong, F. S., Dong, W.
  ASIAN INST TECHNOLOGY.1987: SS1–SS11

• **USE OF MAXIMUM-ENTROPY PRINCIPLE IN EARTHQUAKE RECURRENCE RELATIONSHIPS** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  Dong, W. M., BAO, A. B., Shah, H. C.
  1984; 74 (2): 725-737

• **THE PURPOSE AND EFFECTS OF EARTHQUAKE CODES** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  ZSUTTY, T. C., Shah, H. C.
  1981; 71 (2): 507-516

• **A TECHNICAL NOTE ON PGA-INTENSITY RELATIONS WITH APPLICATIONS TO DAMAGE ESTIMATION** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  MCCANN, M. W., Sauter, F., Shah, H. C.
  1980; 70 (2): 631-637

• **PROBABILISTIC SITE-DEPENDENT RESPONSE SPECTRA** *JOURNAL OF THE STRUCTURAL DIVISION-ASCE*
  Kiremidjian, A. S., Shah, H. C.
  1980; 106 (1): 69-86

• **NONSTATIONARY RISK MODEL WITH GEOPHYSICAL INPUT** *JOURNAL OF THE STRUCTURAL DIVISION-ASCE*
  SAVY, J. B., Shah, H. C., BOORE, D.
  1980; 106 (1): 145-163

• **PUBLIC-POLICY ISSUES - EARTHQUAKE ENGINEERING** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  Pate, M. E., Shah, H. C.

• **TANGSHAN REBUILDS AFTER MAMMOTH EARTHQUAKE** *CIVIL ENGINEERING*
  GERE, J. M., Shah, H. C.
  1980; 50 (12): 47-52

• **DETERMINING STRONG-MOTION DURATION OF EARTHQUAKES** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  MCCANN, M. W., Shah, H. C.
  1979; 69 (4): 1253–1265

• **PUBLIC-POLICY ISSUES - EARTHQUAKE PREDICTION** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  Pate, M. E., Shah, H. C.
  1979; 69 (5): 1533–1547
• **BAYESIAN MODEL FOR SEISMIC HAZARD MAPPING**  *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  MORTGAT, C. P., Shah, H. C.
  1979; 69 (4): 1237-1251

• **PROBABILISTIC BASIS FOR ACI CODE**  *JOURNAL OF THE AMERICAN CONCRETE INSTITUTE*
  Shah, H. C., Sexsmith, R. G.
  1977; 74 (12): 610-611