



# The Pulse of Earthquake Engineering

For members of EERI, news you can use.

January 15, 2022

## New Books from EERI Members

**Jack Baker** (M.EERI 2004), **Brendon Bradley** (M.EERI, 2012), and **Peter Stafford** (M.EERI, 2008) have co-authored a new textbook: ***Seismic Hazard and Risk Analysis***, published by Cambridge University Press. The book describes the principles and procedures behind Probabilistic Seismic Hazard and Risk Analysis, enabling users of these tools to understand best practices, and enabling geology, seismology, geophysics and civil engineering researchers to see the broader implications of their work. With a basic overview that is focused on procedures rather than the validity of detailed scientific models used for inputs, the book is broadly accessible to readers in all of the above fields. Learn more about the book and authors at the [book website here](#).

**Dan M. Frangopol** (M.EERI, 1987) has co-authored a new book on life-cycle engineering: ***Bridge Safety, Maintenance and Management in a Life-Cycle Context***, forthcoming in February from Routledge. The book is an authoritative resource for “students, researchers, practitioners, infrastructure owners and managers, and transportation officials to build up their knowledge of life-cycle bridge performance and cost management at both project level and network level under various deteriorating mechanisms, hazards, and climate change effects.” Learn more about the book at [the publisher's page here](#).