

# Special Lecture on the 2008 China Earthquake

## Lessons from the Wenchuan 8.0 Earthquake Disaster

On May 12, 2008, an earthquake of magnitude 8.0 occurred in Wenchuan County, Sichuan Province, China.

The strong shaking not only caused enormous building and infrastructure collapse or damage, but also triggered more than 12,000 landslides and mudflows, which dammed rivers and formed more than 30 earthquake lakes.

More than 87,000 people were killed and 374,000 people were injured. The direct economic loss reached about \$124 billion.

Prof. Lanmin Wang will discuss lessons learned from the disaster:

- Value of seismic design and codes for buildings
- Strengths and weaknesses of various building types and designs
- Causes of damages to bridges
- Secondary disasters, including landslides, “quake lakes,” and liquefaction

### Monday, April 27

4:00 p.m.

Room 102, Mining and Mineral Resources Building  
Kentucky Geological Survey  
University of Kentucky



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Prof. Wang Lanmin is an international expert on soil dynamics and geotechnical earthquake engineering. He is director of Lanzhou Institute of Seismology, CEA as well as National Registered Geotechnical Engineer of China. He has published four books in China and over 100 academic and technical papers. His book, *Loess Dynamics*, created a new discipline.

