

Linbeck Distinguished Lecture Series

in Earthquake Engineering: Challenges of the New Millennium

*Bringing together practitioners and researchers to tackle the challenges
of protecting our nation's infrastructure against seismic hazards*

ALL LECTURES WILL BE WEBCAST LIVE.

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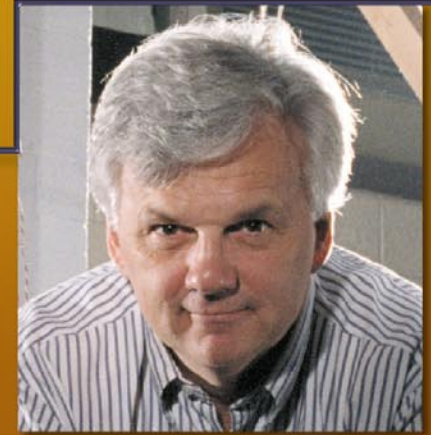
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Consequence-Based Engineering Approaches for Reducing Loss in Mid-America

**Thursday, April 4, 2002
4PM – C100 Hesburgh Center Auditorium
Reception to follow the lecture**

The Mid-America Earthquake Center is embarking on a newly directed research plan that shall ultimately reduce earthquake losses and thus risk. Intrinsic to the new plan is development of a new engineering approach to loss reduction, termed "Consequence-Based Engineering," which is a systems-based methodology for minimizing seismic risk through selective intervention to critical components of a respective system. A brief description of the new CBE approach will be given, followed by an identification of barriers that must be overcome for its development and subsequent implementation. These barriers help define the essential ingredients of a core research program directed at development of the new paradigm. A summary of this new research program will be given to demonstrate how a program of coordinated, systems-driven research can be applied towards development of a new engineering concept, and to help identify possible areas of mutual future collaboration with potential stakeholders, practitioners and other researchers.