

**Structural Design for Blast Effects
Pre-Congress Workshop
May 17, 2006, 1:00pm-5:00pm
St. Louis, MO**

Instructors: Dr. Sam Kiger and Dr. Stan Woodson

Structural Design for Blast Effects

In recent years there have been several significant incidents from terrorist bomb attacks both within the US and against our citizens in foreign lands. These incidents include the World Trade Center bombing in 1993; the Murrah Federal Building bombing in Oklahoma City; the Kobar Towers bombing in Saudi Arabia; and the embassy bombings in Nairobi and Tanzania. As a result these incidents and the continued threat of more terrorist bombing attacks, there has been a significantly increased need for engineers trained in blast resistant design procedures.

This workshop will introduce participants to some of the reference material on blast effects and blast resistant design methodology; provide an overview of similarities and differences between design for seismic resistance and design for blast resistance; provide an overview of explosion effects; discuss how to calculate blast loads on structures; cover some recent research on blast effects on structures; and introduce participants to procedures for blast resistant design by reviewing a specific design example.

Come out to St. Louis, and join Dr. Sam Kiger of the University of Missouri – Columbia and Dr. Stan Woodson of the US Army Engineer Research and Development Center as they provide an overview of blast design in this half-day workshop.

Registration is now open at <http://www.asce.org/conferences/structures2006/>