Fire Effects on Structural Systems: Present Practice and Research Needs

by

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Room 2305 GGBL

Abstract: In response to the WTC disaster, the National Institute of Standards and Technology conducted a building and fire safety investigation to study the factors contributing to the probable cause of collapse of the WTC Towers (WTC 1 and 2) and WTC 7. Following its investigation, NIST continued its research on the fire-resistant design and retrofit of structures.

Significant fires in engineered structures will be used to illustrate present practice for protecting structures from fire effects and the gap in knowledge of how structures actually perform in fire. Research needs and selected topics from the ongoing research program in the response of structures to fire will be discussed.

***** Everyone is invited *****
*****Lunch reception to follow in 2355 GGBL *****