

UNIVERSITY of HOUSTON

CULLEN COLLEGE of ENGINEERING
Department of Civil & Environmental Engineering

CIVE 6111 Graduate Seminar and Distinguished Speaker Series

Ted Krauthammer

Theodore R. Crom Professor of Civil Engineering
Director, Center for Infrastructure Protection and
Physical Security (CIPPS)
University of Florida

Challenges in Protective Engineering and the Application of Ultra High Performance Concrete

Monday, October 6, 2014

1:00 pm - 2:15 pm

Room: Social Work Building Room 102

Abstract

Society is facing very serious challenges associated with a wide range of natural hazards and human-induced threats. Developing both the scientific bases and the derivative technologies to meet such challenges has become a focal point for many private and government organizations. This seminar will focus on providing a general overview of key issues to be addressed in protective science and technology, and examples from recent and ongoing R&D on understanding the behavior of ultra high performance concrete (UHPC) and its potential role in addressing some of the protection needs.

About the speaker:



Dr. Ted Krauthammer is currently Theodore R. Crom Professor of Civil Engineering at the University of Florida, and Director of the Center for Infrastructure Protection and Physical Security (CIPPS). He obtained his Ph.D. in Civil Engineering from the University of Illinois at Urbana-Champaign. His main research and technical activities are directed at structural behavior under severe dynamic loads, including considerations of both survivability aspects of facilities subjected to blast, shock, and impact. His research has been supported by government agencies in the US and abroad. Dr. Krauthammer is a Fellow of the American Concrete Institute (ACI), a member of the American Society of Civil Engineers (ASCE), and a member of the American Institute of Steel Construction (AISC). He serves on ten technical committees of ASCE, ACI, and AISC. Dr. Krauthammer is the author of the book "Modern Protective Structures" that was published in 2008, and has written more than 470 research publications. He has been a consultant to industry and governments in the USA and abroad. Dr. Krauthammer's teaching background includes courses on structural design and behavior, structural analysis, advanced dynamics, protective structures, and numerical methods.