

**Wednesday, April 9, 2008**  
**12:40 PM – 1:30 PM**  
**Room 126**  
**Engineering & Architecture Building**

**All are invited to attend**  
**Pizza will be served**

## **Environmental Engineering Seminar Series**

### **Application of Spill Modeling Tools at ExxonMobil**

**Wolfgang J. Konkel**  
**ExxonMobil**  
**Biomedical Sciences, Inc.**

ExxonMobil has made dramatic reductions in the number of marine vessel spills. However, spill models continue to be utilized in the preparation of spill contingency plans, in the analysis of the short term fate and transport of hydrocarbons in the environment, as the basis for Emergency Preparedness exercises, and for the planning and improvement of spill response.

The challenge of successful oil spill response is fundamentally the ability to intercept rapidly spreading oil. Existing spill response equipment generally has small intercept area capabilities. The systems that have the highest intercept areas are large aircraft outfitted with dispersant application systems. ExxonMobil is a proponent of dispersant use in spill response and advocates the planning of dispersant pre-approval zones in local response plans. Oil spill models can be utilized to provide a quantitative basis upon which resource managers can make decisions regarding the selection oil spill response alternatives.