



## Coastal Response Research Center

### *Project Investigator Symposium*

April 19, 2007  
NOAA, Sand Point Facility  
Building 9 Auditorium  
Seattle, WA

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| 8:30  | Welcome  | <b><i>Nancy Kinner &amp; Amy Merten</i></b><br><i>CRRC Co-Directors</i>                               |
| 9:00  | Field Verification of SIMAP Oil Spill Fate and Transport Modeling and Linking CODAR Observation Systems Data with SIMAP Predictions                          | <b><i>James Payne</i></b><br><i>Payne Environmental Consultants, Inc</i>                              |
| 9:30  | Dispersant Effectiveness as a Function of Energy Dissipation Rate and Particle Size Distribution   | <b><i>Al Venosa</i></b><br><i>U.S. Environmental Protection Agency</i>                                |
| 10:00 | <b>Break and Poster Session</b>  |   |
| 10:30 | Effects of Dispersants on Oil-SPM Aggregation and Fate in US Coastal Waters  | <b><i>Ali Khelifa</i></b><br><i>Environment Canada</i>  |
| 11:00 | Establishing Performance Metrics for Oil Spill Response, Recovery and Restoration  | <b><i>Seth Tuler</i></b><br><i>Social &amp; Environmental Research Institute</i>                      |
| 11:30 | <b>Lunch (on your own)</b>   |   |
| 13:00 | Monetary Values and Restoration Equivalents for Lost Recreational Services on the Gulf Coast of Texas Due to Oil Spills and Other Environmental Disruptions  | <b><i>George Parsons</i></b><br><i>University of Delaware</i>   |
| 13:30 | Acute and Chronic Effects of Oil, Dispersant and Dispersed Oil to Symbiotic Cnidarian Species  | <b><i>Carys Mitchelmore</i></b><br><i>University of Maryland<br/>Chesapeake Biological Laboratory</i> |
| 14:00 | Studies Using an Estuarine Turtle (the Diamondback Terrapin) to Assess the Potential Long-Term Effects of Oiling of Nests During Early Embryonic Development | <b><i>Christopher Rowe</i></b><br><i>University of Maryland<br/>Chesapeake Biological Laboratory</i>  |



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#### 14:30 **Break and Poster Session**

15:00 Survival Time Models Quantitatively Predict Lethal Effects of Pulsed, Short- and Long-Term Exposure to Water-Soluble Oil Spill Fractions

**Michael Newman**  
*College of William & Mary  
Virginia Institute of Marine  
Science*

15:30 Integrating Demographic and Physiological Parameters in NRDA

**Victor Apanius**  
*Wake Forest University*

16:00 Relationship between Acute and Population Level Effects of Exposure to Dispersed Oil, and the Influence of Exposure Conditions Using Multiple Life History Stages of an Estuarine Copepod, *Eurytemora affinis*, as Model Planktonic Organisms

**Gina Coelho**  
*Ecosystem Management &  
Associates, Inc.*

16:30 Closing Remarks and Poster Session

**Nancy Kinner & Amy Merten**  
*CRRC Co-Directors*

#### **Poster Session**

Delivery and Quality Assurance of Short-Term Trajectory Forecasts from HF Radar Observations

**Newell Garfield**  
*San Francisco State University*

Measurements and Modeling of Size Distributions, Settling and Dispersions (Turbulent Diffusion) Rates of Oil Droplets in Turbulent Flows

**Joseph Katz**  
*The Johns Hopkins University*

Ecology and Economics of Restoration Scaling

**Charles Peterson**  
*University of North Carolina*

Development of a Numerical Algorithm to Compute the Effects of Breaking Waves on Surface Oil Spilled at Sea: Dispersion and Submergence/Over-Washing as Extremes of a Theoretical Continuum

**Mark Reed**  
*SINTEF Materials and Chemistry*