



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 | <i>Nancy Kinner & Amy Merten</i>
<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 | <i>James Payne</i>
<i>Payne Environmental Consultants, Inc</i> |
| 9:30 | Dispersant Effectiveness as a Function of Energy Dissipation Rate and Particle Size Distribution | <i>Kenneth Lee</i>
<i>Bedford Institute of Oceanography</i> |
| 10:00 | Break and Poster Session | |
| 10:30 | Effects of Dispersants on Oil-SPM Aggregation and Fate in US Coastal Waters | <i>Ali Khelifa</i>
<i>Environment Canada</i> |
| 11:00 | Establishing Performance Metrics for Oil Spill Response, Recovery and Restoration | <i>Seth Tuler</i>
<i>Social & Environmental Research Institute</i> |
| 11:30 | Lunch (on your own) | |
| 12:30 | Monetary Values and Restoration Equivalents for Lost Recreational Services on the Gulf Coast of Texas Due to Oil Spills and Other Environmental Disruptions | <i>George Parsons</i>
<i>University of Delaware</i> |
| 13:00 | A Convergent Validity Test of the Parameter Updating Method | <i>Christine Poulos</i>
<i>Research Triangle Institute</i> |
| 13:30 | Acute and Chronic Effects of Oil, Dispersant and Dispersed Oil to Symbiotic Cnidarian Species | <i>Carys Mitchelmore</i>
<i>University of Maryland
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 | <i>Christopher Rowe</i>
<i>University of Maryland
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 Unger
*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