

## **Acoustics in the Marine Environment**

Chair: Bill Lang, Minerals Management Service  
Co-Chair: Ron Brinkman, Minerals Management Service  
Tuesday Afternoon, January 11, 2005

- 1:30 – 1:50**            **Opening Remarks – Marine Mammals and Acoustic Concerns**  
David Cottingham  
Marine Mammal Commission
- 1:50 – 2:10**            **Industry Seismic Operations in the Gulf of Mexico**  
Jack Caldwell  
Consultant
- 2:10 – 2:40**            **Calibration of the Kondor array using the LDEO Spar Buoy**  
Maya Tolstoy and John Diebold  
Lamont-Doherty Earth Observatory
- 2:40 – 3:00**            **Break**
- 3:00 – 3:30**            **Calibration and Analysis of Seismic Airgun Calibration Using EARS  
Buoys**  
Joal Newcomb and William Sanders, Naval Research Laboratory  
George Ioup, University of New Orleans  
James Stephens, University of Southern Mississippi  
Natalia Sidorovskaia, University of Louisiana at Lafayette
- 3:30 – 3:50**            **Bottom Moored Hydrophone Measurements of Gulf of Mexico  
Ambient Noise During Storms**  
Joal Newcomb, Naval Research Laboratory  
Mark Snyder, Naval Oceanographic Office
- 3:50 – 4:30**            **Analysis of Bottom Moored Hydrophone Measurements of Gulf of  
Mexico and Mediterranean Sea Sperm Whale Phonatons**  
Stan Kuczaj and Christopher Walker, Univ. of Southern Mississippi  
Natalia Sidorovskaia, University of Louisiana at Lafayette  
George Ioup and Juliette Ioup, University of New Orleans

## **POSTERS**

### **MANTA - the Marine Animal Tracking Apparatus: A New Acoustic/Radio Telemetry and Data-Logging System for Real-time Underwater Tracking of Marine Mammals**

Tom Norris  
SAIC

### **Trends in Underwater Glider Technology for Long-term Persistent Surveillance Applications**

Aaron Thode, Scott Jenkins, and Gerald D'Spain  
Scripps Institute of Oceanography

### **Numerical Modeling of Seismic Airgun Array Sound Propagation in a Waveguide**

Aaron Thode, Del Bohnenstiehl, John Diebold, and Maya Tolstoy  
Scripps Institute of Oceanography