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**OCEANS 2003 MTS/IEEE
CONFERENCE PROCEEDINGS
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Message From The Exhibits Director

Welcome to the Oceans 2003 Exhibits:

We are pleased to offer you two floors of exhibits featuring goods and services spanning the entire spectrum of marine technology as well as displays highlighting programs from educational institutions, government agencies and non-profit organizations. We even have a few specialty retailers to make it easy to find unique items to bring back home with you.

Don't miss the sand sculpture that will be created in the lounge area of the Lower Exhibit Hall. Downstairs you will also find the Poster Sessions, cyber café, and a snack concession.

Contact information on all the exhibitors can be found in the Exhibitors Program and in the conference proceedings. The DVD version of the proceedings also contains hundreds of pages of exhibitor product information and marketing materials.

We hope your visit to the exhibits area is enjoyable and enlightening.

**Brock J. Rosenthal
Exhibits Director**

Exhibitors

For Full Description of Company and Contact Information see Exhibitor Program and DVD

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Poster Sessions

Tuesday, Wednesday, Thursday 9:00 AM - 4:00 PM

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Facilitator: Dr. Wolf Berger, Scripps UCSD, CA

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Prof. Keith A. Sverdrup, *University of Wisconsin-Milwaukee, WI*

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Facilitator: Dr. Patrick Fell, *Northrop-Grumman, VA*

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Alison L LaBonte and Kevin M Brown, *Scripps Institution of Oceanography, CA*

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Dr. Anatolii Naumovich Rosenbaum and Dr. Vladimir Ivanovich Korochentsev, *Far-Eastern State Technical University, Russia*

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Kurt Schwehr, Dr. Lisa Tauxe, Dr. Neal Driscoll, *Scripps Institution of Oceanography, CA*
Nile Delta Extratropical Cyclone 2002 Forecast
Mrs. Therese Schneck

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Facilitator: Dr. Sloan Freeman, *Duke Univ. NC*

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Abundance - P2736 Dr. Sam K. Naidu and Ms. Elaine M Seward, *Fisheries & Oceans Canada, Canada*

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Facilitator: Dr. Paula Coble, *Univ. of South Florida, FL*

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Dr. Michael D Tryon and Dr. Kevin M Brown, *Scripps Institution of Oceanography, CA*

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Mr. Lee Jae Seong, Dr. Jung Rae Hong, Mr. Ko Tae Seung, Dr. Park Jong Soo, Dr. Kim Sung Soo and Dr. Kim Kyu Young, *Marine Environment Management Division, NFRDA, Korea*

Information Technology

Facilitator: John A. Lever, *USNOO, MS*

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Dr. Alexander M. Suvorov, Dr. Alexey Kh. Khaliulin, Dr. Evgeny A. Godin, Dr. Vladimir N. Belokopytov and Mr. Andrey V. Ingerov, *Marine Hydrophysical Institute of the Ukrainian NAS, Ukraine* and Dr. David R. Palmer, *NOAA/Atlantic Oceanographic and Meteorological Laboratory, FL*

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Mr. Vladimir Igorevich Rostov, V.I. Il'ichev, *Pacific Oceanological Institute FEB RAS, Russia*

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Facilitator: Dr. Grady Tuell, *Univ. of Florida, FL*

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Dr. Gang Liu, Dr. William Skirving, Dr. Alan Strong and Ms. Chunying Liu, *NOAA/NESDIS, MD* and Dr. James Hendee, *NOAA/OAR/AOML, FL*

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Mr. James Krolick, *FWC/Florida Marine Research Institute, FL*

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Leo M. Rebele and Dr. Jon P. Houghton, Hart Crowser, Inc., CA, Linda Arsenault and John Kirby, *THUMS, CA* and Dr. Dennis Lees, *Littoral and Ecological Services, CA*

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Facilitator: Ken Ferer, *Neptune Sciences, VA*

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Facilitator: Dr. David Weissman, *Hofstra Univ. NY*

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Dr. Albert J. Gabric and Dr. Roger Cropp, *Griffith University, Australia*

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Facilitator: Capt. D. Karin Lynn, *U.S. Navy, DC*

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Mr. David Collins, *University of Waterloo, Canada*

Acoustics

Facilitator: Dr. Alex Tolstoy, *ATolstoy Sciences, VA*

Analysis of the Field of Narrow-band Signals Percolating into Marine Bottom

Dr. Oleg Viktorovich Abramob and Dr. Vladimir Vladimirovich Korochentsev, *Far-Eastern State Technical University, Russia*

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Facilitator: Dr. James Candy, *Lawrence Livermore National Laboratory, CA*

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Undersea Vehicles

Facilitator: Drew Michel, TSC Holdings, Inc. TX

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Ms. Adrienne F Yandell, Bridget C Brett, Sarah E Sheppard, Jesse L Austin-Breneman, Heather M Brundage, Robin A Radez, Stephen J Fantone, Michael Jordan Stanway and Timothy D Pennington, *MIT/MA*

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Facilitator: Dr. Sunny Jiang, Univ. Of California, Irvine, CA

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Dr. Timothy D. Stebbins, Mr. Eric Nestler and Mr. Dean Pasko, *City of San Diego Ocean Monitoring Program, CA*

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Dr. Fabrice Vauclair, *University of São Paulo, Brazil* and Dr. Yves du Penhoat, *LEGOS, France*

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Ms. Jean Pennycook, *FUSD Science Office, CA*

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Facilitator: Dr. David Weissman, *Hofstra Univ., NY*

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Dr. Lei Shi, *SeaSpace Corporation, CA*

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Mrs. Detelina P. Ivanova, *Naval Postgraduate School, CA*

Acoustics

Facilitator: Dr. Alex Tolstoy, *ATolstoy Sciences, VA*

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Eugeny Maximovich Titov, *Far Eastern State Technical University, Russia*

Signal Processing

Facilitator: Dr. James Candy, *Lawrence Livermore National Laboratory, CA*

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Dr. Radhakrishnan Pillai, *C & P Technologies, Inc. NJ* and Dr. Joseph R Guerri, *DARPA/SPO, VA* and Dr. Unnikrishna S Pillai, *Polytechnic University, NY*

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Applied Ocean Sciences

Facilitator: David Frost, *Orincon, CA*

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Dr. Chris Wackerman, *Veridian Systems Div., MI*

Dr. Fritz Funk and Mary Schwenzfeier, *Alaska Department of Fish and Game, AK*

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Mr. Kyohiko Mitsuzawa, *JAMSTEC Seattle Office,*

WA, Mr. Ryoichi Iwase, Dr. Kenji Hirata and Dr. Hitoshi Mikada, *JAMSTEC, Japan*

Ms. Riyo Otsuka, *MARINE WORKS JAPAN LTD. Japan*

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Mr. David McShane, Ms. Catherine E. Woody, William C. Smith, Michael Garcia, *National Data Buoy Center, MS*

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Poster Sessions

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Facilitator: Dr. Nancy Knowlton, *Scripps UCSD, CA*

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Dr. Jeffrey C. Drazen, Dr. Jim P. Barry, Mr. Larry E. Bird, *Monterey Bay Aquarium Research Institute, CA*

Physical Oceanography

Facilitator: Dr. Bart Chadwick, *SPAWARSYSCEN San Diego, CA*

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Dr. Vladimir I. Haltrin, Dr. Alan D. Weidemann, *Naval Research Laboratory, MS*, Dr. Michael E. Lee, Dr. Eugeny B. Shybanov, *Marine Hydrophysical Institute, Ukraine*

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Dr. Vladimir I. Haltrin, Dr. Alan D. Weidemann, *Naval Research Laboratory, MS*, Dr. Michael E. Lee, Dr. Eugeny B. Shybanov, *Marine Hydrophysical Institute, Ukraine*

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Signal Processing

Facilitator: Dr. James Candy, *Lawrence Livermore National Laboratory, CA*

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Davis R. Thomsen, David Sandwell, *Scripps Institution of Oceanography, CA*, Enson Chang, *Dynamics Technology Inc., VA*

Undersea Vehicles

Facilitator: Drew Michel, *TSC Holdings, Inc. TX*

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Mr. Neil Harvey Kussat, *Scripps Institution of Oceanography, CA*

Student Posters

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Mr. Morgan Lamy, *ENST Bretagne, Brest, France*

Pollution In The Nigerian Coastal Waters

Mr. Eyitayo Ifeolu Onadipe, *Dept. of Marine Sciences, University of Lagos, Lagos Nigeria*

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Miss Cristina Carollo, *University of Reading, Reading, UK*

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Mr. Chris D. Fallows, *Environmental Systems Science Centre, University of Southampton, Southampton, UK*

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Miss Sheila E. Saroglou, *Massachusetts Institute of Technology, Cambridge, MA*

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Mr. Simone Curletto, *Dept. of Biophysical and Electronic Engineering, University of Genoa, Genoa Italy*

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Mr. Temitope O. Ojo, *Environmental and Water Resources Division, Texas A & M University, College Station, TX*

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Tannen Van Zweiten, *Department of Ocean Engineering, Florida Atlantic University, Dania Beach, FL*

ROV Project at Cape Fear Community College

Mrs. Nancy Thomas, *Cape Fear Community College, Wilmington, NC*

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Jeff Harrington, *Engineering Department, Lake Superior State University, Sault St Marie, MI*

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Ms. Micaela Pilotto, *Massachusetts Institute of Technology, Cambridge, MA*

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David Palandro, *College of Marine Science, University of South Florida, St Petersburg, FL*

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Miss Ursula Wilborn, *College of Marine Science, University of South Florida*

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Mr. Karl-Magnus Weidmann McLetchie, *Massachusetts Institute of Technology, Cambridge, MA*

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Ms. Kathleen A. Phillips, *University of California San Diego, San Diego, CA*, Dr. Aaron D. Sweeney, *Tohoku University, Japan*

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Mr. Ricardo D. Burgos, *University of Puerto Rico Mayaguez Campus, Mayaguez, PR*

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Mr. David Sutherland, *Massachusetts Institute of Technology, Cambridge, MA*

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Marah J.H. Newman, *University of California San Diego, San Diego, CA*

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