

Message from the Chairmen



Robert L. Wernli
Co-chairman, OCEANS 2003
SPAWAR Systems Center San Diego



Charles F. Kennel
Co-chairman, OCEANS 2003
Director, Scripps Institution of Oceanography, UCSD

Welcome to the OCEANS 2003 MTS/IEEE conference and exhibition-and welcome to beautiful San Diego. You are visiting one of the birthplaces of oceanography, where Scripps Institution of Oceanography began 100 years ago. The conference theme, “Celebrating the Past . . . Teaming Toward the Future,” was chosen to commemorate the Scripps centennial-and to acknowledge our exciting, cooperative progress into 21st-century ocean science and technology. Another aspect of San Diego that makes us proud is our diverse array of commercial, academic, military and government organizations that, cooperating together, make our city a center of advanced technology focused on the ocean’s challenges of today and the future.

Each year, the OCEANS conference brings together scientists and engineers with a vast range of scientific knowledge and technological expertise. This year’s conference is more diverse than ever-and has become the largest event of its kind ever held. We are expecting 5,000 attendees from 46 countries. More than 1,000 papers were submitted and we’ll have 800 scientific/technical presentations and 250 exhibitors. A number of

special guests are joining us from government agencies and ocean organizations. And unique events will include the presentation of Scripps’s Nierenberg Prize for Science in the Public Interest to marine ecologist Jane Lubchenco, and the Scripps Centennial Homecoming/Birthday Party. Two luncheons will introduce this year’s award winners from the lead sponsoring societies, MTS and IEEE/OES.

Great thanks are due to our hard-working OCEANS 2003 committee, our team of conference volunteers, and the Scripps Centennial Committee-your combined efforts have taken this event, and this week, beyond our greatest expectations. Well done. We have been delighted by the enthusiastic response of all of our participants, especially considering the budget hurdles being encountered around this nation and our world.

We sincerely hope that you come away from OCEANS 2003 with renewed enthusiasm for ocean science, marine engineering and sea technology, a deeper appreciation for where we’ve been, and eager anticipation for the exhilarating accomplishments that lie ahead.

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Message from the Executive Vice Chairman

Welcome to San Diego and the Oceans 2003 MTS/IEEE conference. This magnificent, first time collaboration of many great scientific and engineering societies in a single conference, sponsored by the Marine Technology Society and IEEE-Oceanic Engineering Society, comes during the week of the Centennial celebration of Scripps Institution of Oceanography. On behalf of Scripps, MTS, IEEE-OES, and the 17 co-participating societies, thank you for the effort you made to be here this week to explore the past, present, and future challenges of our science, our technology, and our planet.

When scanning the program, you'll see a dynamic and diverse collection of many academic and engineering disciplines. Tracks have been constructed to minimize competing sessions of complementary subjects, to maximize your enjoyment of this meeting. And please look for the collection of this week's premiere events on the "Centennial Especial" page.

While here at the Town & Country, I hope you'll find time to explore the grounds and discover the many small, hidden places perfect for quiet study or conversations.

The Oceans 2003 conference team is to be commended for their talent, commitment, and collegiality that brought this conference together as a service to our oceanographic community. Among the team we may agree to single out the Oceans2003 Technical Program Chairman, **Jack Jaeger**, for his vast technical knowledge, exemplary dedication, ability to visualize the "Rubic's Cube" of the conference program, sense of humor, and extended support of both publications and website development. He is our "secret weapon" of many MTS

conference successes, and certainly this one. The Publication team of **Vivian and Jack Holland** were amazingly accommodating to authors and committee, especially this VC, remaining always a pleasure to work with. They are the personification of

"unflappable". For another, **Brock Rosenthal's** creative and tireless work as the Oceans2003 Exhibits Chairman, along with his committee, brought together the largest collection of exhibitors ever at an Oceans conference. And, of course, Oceans 2003 co-chair **Bob Wernli**, who painted the dream of the greatest Oceans conference so clearly that the rest of us could see it. Luck is when preparation meets opportunity. He saw it and seized it. Finally, in deed, the Oceans2003 committee, too many to name on this page, but each a dear friend by virtue of their good nature and pursuit of a common goal. Some of us have

worked together on MTS conferences for over 20 years. We each carried a share of responsibility, and each saw it done. "A man can stand anything except a succession of ordinary days" observed Goethe. We have made these days an adventure. We also thank our families for their help.

This meeting is about each branch of science and engineering, and each person who pushes the frontier out a little further. To our many alumni, former faculty, staff, friends, and colleagues: your alma mater invites you to the Scripps campus on Friday, September 26, for its actual 100th birthday. It will be an event unlike any there before. With confidence in the future, and faith in our purpose, Scripps Institution joins with the global ocean community to continue the work at hand.

Best wishes for a successful stay at Oceans2003.



Kevin Hardy
Executive Vice Chairman
Oceans 2003 MTS/IEEE
Director, Scripps Centennial,
Special Program Development
Scripps Institution of Oceanography/UCSD

Society Liaisons



Norman Estabrook
MTS Liaison
SAIC

Co-Participating Society Liaisons

AGU: Dr. John Orcutt
ASLO: Dr. Russ Moll
ASA: Dr. Peter F. Worcester
ADC: Ross Saxon
AMRS: Bob Chisholm
AMS: Ron McPherson
CEROS: William A. Friedl
TOS: Jennifer Ramarui
UCSD Extension: Tim Johnson



Dan Alspach
IEEE/OES Liaison
ORINCON Defense

International Coordinating Committee

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