



2005 INTERNATIONAL OCEAN RESEARCH CONFERENCE

Conference to be held at
UNESCO Headquarters, Paris, France
June 6-10, 2005

Sponsored by
The Oceanography Society
and IOC/UNESCO

Information on venue, accommodations,
and travel is available at
www.tos.org/conference.htm

Registration

Register online at www.tos.org/conference.htm
or complete and mail or fax pages 2 and 3 of this form to:
The Oceanography Society, P.O. Box 1931,
Rockville, MD 20849-1931, USA; Fax: 1-301-251-7709

Attendee Registration

Title	First Name	Middle Initial	Last Name
Name to appear on badge		Organization to appear on badge	
Address (line 1)			
Address (line 2)			
City	State/Province	Postal Code	Country
E-mail	Phone	Fax	

Registration Fees

- \$300 TOS Member
- \$350 Non-TOS Member*
- \$100 Student (TOS Member)
- \$125 Student (Non-TOS Member*)
- \$150 One-day registration
- \$100 Guest/Spouse Fee

*If desired, visit www.tos.org to join The Oceanography Society, and register at reduced member rates.

Late Registration (postmarked after April 1, 2005)

- \$350 TOS Member
- \$400 Non-TOS Member*
- \$125 Student (TOS Member)
- \$150 Student (Non-TOS Member*)
- \$150 One-day registration
- \$100 Guest/Spouse Fee

Payment Information

My check payable to The Oceanography Society (in US \$, drawn on a U.S. bank) is enclosed

OR

Charge my credit card: Visa Mastercard

Card Number	Expiration Date
Name on the card (print)	Signature
Address (if different from above)	

Refunds: The registration fee will be refunded minus \$35 if the TOS office is notified by April 1, 2005. After that date, 50% of the registration fee will be refunded.

Sessions

To assist in determining room capacity for the sessions, please indicate your level of interest in attending on a scale of 1 to 4 where: 1 = will not attend, 2 = might attend, 3 = will probably attend, 4 = will definitely attend.

Research

- ___ Air-Sea Interactions and Dynamical Coupled Modeling
- ___ Black Sea Biogeochemistry*
- ___ Biogeochemical Cycles of Trace Elements and Implications for Marine Ecosystems*
- ___ Descriptive and Dynamical Oceanography
- ___ Ecology of the Deep Earth
- ___ Elemental Stoichiometry in Marine Systems: Implications for Ecosystem Function
- ___ Harmful Algal Blooms*
- ___ Impact of Buoyant Plumes on Coastal Ecosystems
- ___ International Year of the Polar Ocean (session in Arctic Ocean Shelf Areas and accepting abstracts for the Southern Ocean)
- ___ Molecular Diversity of the Oceans*
- ___ Population Connectivity in Ocean Ecosystems

Technology

- ___ Autonomous Lagrangian Platform Systems (open to Biological and Chemical Sensor Development)
- ___ Coastal Observing Systems (includes Seafloor Regional Cabled Observatories)
- ___ Generation and Assimilation of Coastal Data Streams

International Programs and Education

- ___ Sea Grant International
- ___ International Perspective on Ocean Science Education
- ___ International Ocean Exploration

**Presentations on these topics will take place as afternoon contributed sessions in addition to the morning plenary sessions.*

Meeting Room Availability

On Friday, June 10th, rooms will be available for groups that would like to hold discussions or collaborate. Please contact the TOS office (info@tos.org) if you are interested in reserving meeting space.

Abstract Submission

The conference format features plenary talks, contributed talks and poster sessions. **All abstracts submitted will be considered primarily for presentation as posters**, however, the committee may select some abstracts to become contributed oral presentations. The registration fee must be submitted before an abstract will be considered. **The deadline for receiving abstracts is January 31, 2005.** Submitters will be notified of abstract acceptance, and assignment as a talk or a poster by **March 1, 2005.** If an abstract is not accepted, a full refund will be provided.

Abstract Submission Instructions

Submit abstracts as MS Word attachments via e-mail to: info@tos.org. In the subject line of the e-mail, type the last name of the lead author followed by the word "abstract." Registration and payment must be received before an abstract will be considered. See page 4 for an example of a correctly formatted abstract. A \$50 fee will be applied if changes are required after abstract submission.

- 250 word limit, including title, authors and affiliations
- All text in Times New Roman type, size 10, justified left, single spacing
- Title in ALL CAPS, bold
- Lead Author underlined, use superscript numbers to indicate institutional affiliation and e-mail address for each author, which is to be included after the abstract text.

See page 4 for an example of a correctly formatted abstract.

Sample Abstract

This abstract is submitted for consideration in the session entitled _____ (choose from list below)*

BIO-OPTICAL RELATIONSHIPS IN THE SANTA BARBARA CHANNEL: IMPLICATIONS FOR REMOTE SENSING

Chang, Grace C.¹; Dickey, Tommy D.¹; Moore, Casey²; Barnard, Andrew²; Zaneveld, Ron²; Hanson, Al³; Egli, Peter³

We investigate relationships and variability of bio-optical properties to elucidate processes affecting remote sensing reflectance in the coastal ocean. Hyperspectral and multispectral bio-optical data are collected on a National Oceanographic Partnership Program (NOPP) funded shallow water mooring (25 m water depth) in the Santa Barbara Channel. Ancillary chemical, biological, and physical data are collected concurrently with the bio-optical measurements and most data are real-time telemetered to shore. Mooring deployments span(ned) the periods between May and October 2003 and February and September 2004. These time periods allow the examination of the seasonal cycle as well as interesting episodic events including: (1) a toxic bloom of the diatom, *Pseudo-nitzschia australis*, from April to May 2003, (2) red tides of the bioluminescent dinoflagellate species, *Lingulodinium polyedra* from September to October 2003 and again in May 2004, and (3) an intense winter storm in February 2004 with wind gusts exceeding 15 m s⁻¹, resulting in sediment resuspension and high concentrations of colored dissolved organic material (CDOM). It is hypothesized that bio-optical relationships in the Santa Barbara Channel vary seasonally and interannually, which has important implications on the development of ocean color remote sensing algorithms. It has been stressed that coastal algorithms must be region-specific. We show that temporal-specific algorithms may be necessary in some highly dynamic coastal areas.

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*Select one session for which your abstract should be considered.

Research

- Air-Sea Interactions and Dynamical Coupled Modeling
- Black Sea Biogeochemistry
- Biogeochemical Cycles of Trace Elements and Implications for Marine Ecosystems
- Descriptive and Dynamical Oceanography
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