

**The Twelfth Pacific Congress
on Marine Science and Technology**

PACON 2006
Registration Circular

*Marine Science and Technology
in Asia*



Traders Hotel, Yangon
Yangon, Myanmar
June 11-15, 2006

www.hawaii.edu/pacon

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on Marine Science and Technology**

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OBJECTIVE

The role of marine science and technology in the economic development of the Pacific Basin resources is of vital concern to planners, policy makers, administrators, educators and scholars. PACON 2006 brings together scholars and resource people to address key issues concerning marine technology related to the ocean's economic potential from a multi-disciplinary perspective. The congress facilitates an exchange of views and ideas between representatives of all nations, thereby, strengthening the global exchange of information and collaborative research linkages.

PACON International Mission Statement

PACON International is an international, non-profit, professional marine science and technology society dedicated to the sharing of scientific and technical information among those interested in the future of the world's oceans with a Pacific focus.

Principal Goals

- To provide information freely to all participating nations
- To promote the environmentally-sound utilization and sustainable development of the ocean's resources;
- To emphasize through education and public programs, the need for sound ocean policies; and
- To advance the various disciplines involved in marine science and technology

Formed in 1982, the first Pacific Congress on Marine Science and Technology was held 1984, with subsequent biennial events from 1986 through 2004, in Hawaii, Japan, Korea, and Australia. The four to five-day Congress includes as many as 60 breakout sessions with 200 - 400 presented papers. Since 1993, as a result of expanding membership and the interest of participating nations, PACON International held biennial intercongress Regional Symposia, which focus on problems and opportunities of the particular region in which they are held, hosted by the local chapters. Regional symposia have been held in Beijing, China (1993), Honolulu, Hawaii (1995), Hong Kong, China (1997), Moscow, Russia (1999), Burlingame, California (2001), Kaohsiung, Taiwan (2003), and Changhua, Taiwan (2005). The 3-day regional symposia have been well attended and provide support and prestige to the local

chapters, which host them. The resulting publication includes a refereed publication for each Congress. Through a quarterly newsletter, *Voice of the Pacific*, published by the Secretariat, PACON International is able to keep members apprised of advances in marine science and technology, as well as the work of the organization. Information and interactive opportunities are also available through PACON International's Web at www.hawaii.edu/pacon.

PACON 2006 Sponsors to Date

PACON Myanmar Chapter, Myanmar
PACON International, USA
Dept. of Business, Economic Development & Tourism (DBEDT),
Ocean Resources Branch, State of Hawaii, USA*
National Ocean Service, NOAA, U.S. Dept. of Commerce*
Chancellor's Office, University of Hawaii at Manoa, USA*
School of Ocean and Earth Science and Technology (SOEST),
University of Hawaii at Manoa, USA

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Dr. Ho-Shong Hou (Taiwan)*
Dr. Denise Eby Konan (USA)*

General Chair

HE U Pe Than (Myanmar)

General Co-Chair

U Thein Tun (Myanmar)

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Dr. Kenji Hotta (Japan), Co-chair
Dr. Narendra Saxena (USA)
Dr. Friedhelm Schroeder (Germany)
Prof. Ying Wang (China)

International Scientific Advisory Committee

Dr. Tad Murty (Canada)	Dr. Ki-Dai Yum (Korea)
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Dr. H.D. Knauth (Germany)*	Dr. Chan Nyein (Myanmar)
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Dr. Dietrich Bengen (Indonesia)*	Dr. San Hla Thaw (Myanmar)*
Dr. Toshihiko Teramoto (Japan)	*Tentative

International Scientific Advisory Committee (continued)

Dr. Rafael D. Guerrero III (Philippines)
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Dr. Supichai Tangjaitrong (Thailand)
Dr. Bui Hong Long (Vietnam)
Dr. Ian Dutton (USA)

Organizing Committee

Chair: U Pe Than
Members: U Win Phay, U Tun Hlaing, Colonel Maung Maung Oo,
U Soe Myint, Dr. San Hla Thaw, U Thein Tun, U Soe Tint,
U Win Thein, U Thein Htay, Colonel Maung Maung Nyein,
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Exhibits Committee

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Accommodations Committee

Chair: Colonel Maung Maung Nyein
Member: U Myo Thant

Registration Committee

Chair: Dr. San Hla Thaw
Members: U Tun Lwing, U Myint Thein, U Kyaw Myo Win

Conference Supporting Committee

Chair: U Charlie Than
Members: U Kun Zaw, U Kyaw Zaya, Daw Sandar Naing

Special Programme Committee

Chair: U Myo Thein
Members: U Thaug Kyaing, Daw Yin Kwee, U Myint Thaug

PACON 2006
TECHNICAL PROGRAM
Theme: *Marine Science and Technology in Asia*

Keynote Address by Dr. Tad S. Murty, University of Ottawa (Canada),
“Tsunamis and Storm Surges in the Indian Ocean”

Keynote Address by Dr. Hans von Storch, GKSS Research Centre (Germany),
“Storms—Analysis, Statistics, and Changes”

Keynote Address by Prof. Ying Wang, Nanjing University (China),
“River-Sea Interaction and the North Jiangsu Plain Formation”

Keynote Address by Dr. Chua Thia-Eng, GEF/UNDP/IMO/Programme Partnerships
in Environmental Management for the Seas of East Asia (Philippines),
(Title to be announced)

Tuesday, PACON Awards Banquet Speaker (TBA)

OCEAN SCIENCE AND TECHNOLOGY (OST)

COORDINATOR: Lorenz Magaard (USA) and Kenji Hotta (Japan)

OST-1: Ocean Mapping and Seafloor Characterization
(GIS, Survey Systems)

OST-2: Marine Biotechnology
(Natural Products, Manufactured Products)

OST-3: Fisheries Technology

OST-4: Remote Sensing and Oceanographic Satellites
(Satellite, Ocean Systems)

OST-5: Advanced Vehicles
(Surface Craft, Undersea Vehicles)

OST-6: Operational Experiences in Environmental Monitoring
(Techniques of Buoys & Ships of Opportunity, New Developments, Sensors
for Long-Term Applications, Biofouling, Scientific & Monitoring Applications)

OST-7: Climate Change
(Climate Prediction, Socio-economic Value of Climate Prediction, Adaptation to
Climate Fluctuations, ENSO, Mitigation of Climate Change)

OST-8: Aquaculture and Mariculture Technology

OST-9: Natural Energy
(Wind, Wave, Current, River flow, OTEC, Solar)

COASTAL SCIENCE AND TECHNOLOGY (CST)

COORDINATOR: Young C. Kim (USA)

CST-1: Hydrodynamics of Coastal Waters
(Wave Characteristics, Wave Theories and Measurements, Wave Transformation)

CST-2: Coastal Water Level Fluctuations
(Tides, Storm Surges, Tsunamis, Sea Level Rise)

CST-3: Coastal Structures
(Wave Forces, Wave-Structure Interaction, Planning, Design, Construction,
Performance and Maintenance)

CST-4: Ports and Harbors
(Dredging, Mooring, Harbor Resonance, Planning, Design, and Construction)

CST-5: Coastal Sediment Processes
(Sediment Transport Processes, Coastal Erosion, Shoreline Changes, and Stabilization)

CST-6: Coastal Environment
(Coastal Pollution, Recreation, Water Quality, Environmental Impact)

CST-7: Sustainable Coastal Development
(Energy Development, Coastal Zone Management, Coastal Resource Management)

CST-8: Coastal Hazards
(Coastal Storms, Seismic and Tsunami Events, Impact of Climate Change, Beach and
Bluff Erosion, Coastal Flooding, Man-Made Disasters)

MARINE RESOURCE MANAGEMENT & DEVELOPMENT (MRMD)

COORDINATORS: Patrick Takahashi (USA)*

MRMD-1: Marine Policy, Law, and Government
(Policy, Law, and Government Regulations)

MRMD-2: Coral Reef Science and Management
(Science, Conservation, Management)

MRMD-3: Marine Fishery
(Science and Management)

MRMD-4: Marine Recreation and Tourism
(Socio-economic/Ecological Benefits, Impacts, Growth Potential)

MRMD-5: Methane Hydrates

WORKSHOPS (WKSP)

COORDINATOR: (To be announced)

WKSP-1: Education in Marine Science and Technology
(Formal, Informal, Public Outreach, K-12, Undergraduate)

WKSP-2: Women in Marine Science, Technology, and Policy
(Training, Accomplishments, Barriers, Programs)

WKSP-3: Coastal Regions—Conflicts and Perceptions

WKSP-4: Ocean Observing Systems

STUDENT POSTER SESSION-CECILIA HSI SAXENA AWARD

COORDINATOR: Jerry Comcovich (USA)

TUTORIAL (Sunday, June 11, 2006)

Dr. Friedhelm Schroeder (Germany), *Monitoring Methods and Strategies by Using Automated Systems*

JOINT CONFERENCE WITH FICCI ON TSUNAMIS AND STORM SURGES, JUNE 10-11, 2006

Invitation for Papers/Presentations

The Technical Program Committee invites papers for presentation at **PACON 2006 Marine Science and Technology in Asia** in the sessions outlined. Presentations on new developments in the industry are also invited. Papers and presentations on topics outside the areas listed will be considered. All interested presenters must submit an abstract. The Committee reserves the right to cancel or combine sessions as appropriate if response is insufficient.

ABSTRACTS GUIDELINES

Abstracts Fee: US\$50 per Abstract fee must be received with your abstract in order to be considered for presentation. Payment can be made by check, postal money order, or credit card. Upon registration, a total of US\$50 (regardless of the number of abstracts submitted) will be applied towards your PACON 2006 registration. If, for some reason, an abstract is not accepted, the fee for the abstract will be returned.

Deadline: The deadline for receipt of abstracts is **March 31, 2006**.

Abstracts Submittal Requirements:

- 1) Author must indicate on the Abstract Submittal form to which session the abstract is being submitted.
- 2) Abstract fee of US\$50 per abstract by check, postal money order, or credit card must accompany each abstract.

Abstracts and the Abstract Submittal Form, with credit card payment information can be sent by email to pacon@hawaii.edu, faxed to 808-956-2580, or all other forms of payment sent by airmail to PACON 2006 Abstract, University of Hawaii at Manoa, 2525 Correa Road, HIG 407A, Honolulu, HI 96822 USA.

ABSTRACTS: FORMATTING INSTRUCTIONS

- ♦ All abstracts must be in English.
- ♦ Indicate which Session Number (i.e., OST-1) for which the Abstract is being submitted (Boxed item). Authors will be notified if their Abstract is moved to another Session.
- ♦ Title not to exceed 12 words.
- ♦ **Maximum Length of Abstract: 175 words.**(to fit half page)
- ♦ Font style must be Times New Roman and **Font size 12.**
- ♦ No photographs, figures, tables, references or abbreviations allowed.

Program & Abstracts Book Publication

Authors of accepted abstracts will be notified by April 14, 2006. Abstracts will be compiled and published as the *PACON 2006 Program & Abstracts*.

Refereed Publication

The resulting publication of the Congress is a refereed publication. To be eligible for the refereed publication, the Primary Author must present their paper at the Congress. Selection of papers will be by recommendation of the Session Chairs and Reviewers after the Congress. A copy of the refereed publication, scheduled for completion in the summer of 2007, will be mailed to all persons fully registered at PACON 2006. Additional copies may be obtained at a cost to be determined.

EXPENSES

ALL PARTICIPANTS including Authors, Session Chairs, Session Coordinators, and Speakers are required to pay registration fees and expenses. Authors are responsible for all expenses incurred in preparing and presenting their papers, including time spent, costs of preparation of manuscripts and illustrations, travel to the Congress, abstract and registration fees. It is also the responsibility of the authors to prepare manuscripts and photographs should their paper be recommended for inclusion in the refereed publication.

PACON STUDENT POSTER SESSION

Up to six (6) best graduate student papers presented in a poster session will be given the *Cecilia Hsi Saxena Award*. Each winner will receive a certificate award, one-year PACON International student membership, cash prize, awards banquet dinner, and reimbursement of PACON 2006 registration fee. Guidelines for these awards are posted on our website www.hawaii.edu/pacon.

REGISTRATION

All participants must register and pay a registration fee.

REGISTRATION FEES	Until May 15, 2006	After May 15, 2006
Full Registration Non Member ¹	US\$500.00	US\$550.00
Full Registration Member ¹	US\$440.00	US\$490.00
Full Registration Life Member ²	US\$380.00	US\$430.00
Full Registration Student ³	US\$110.00	US\$110.00
Full Registration Student Member ³	US\$95.00	US\$95.00
One-Day Registration ⁴	US\$200.00	US\$200.00
Spouse or Family Member ⁵	US\$120.00	US\$120.00

1 – includes Entry to all Sessions, Welcome Reception, Lunches, Awards Banquet, Registration Packet, refereed publication, and 1-year PACON International membership.
 2 – includes Entry to all Sessions, Welcome Reception, Lunches, Awards Banquet, Registration Packet, and refereed publication.
 3 – includes Entry to all Sessions, Welcome Reception, Lunches, Awards Banquet, Registration Packet, and 1-year PACON International student membership.
 4 – includes Day Entry to Sessions, Lunch on the day registered, and Registration Packet.
 5 – includes Welcome Reception, Lunches, and Awards Banquet.

Payment of Registration Fees

Overseas registrants may send fees in U.S. dollars by International Money Order, personal check, certified check payable on a U.S. bank, or by credit card. Visa, MasterCard, Diners, Carte Blanche and JCB credit cards are accepted. Checks should be made payable to PACON International. Registration forms and fees will be acknowledged upon request. Please complete the enclosed registration form and return it with your payment, to the address shown on the form.

On-Site Registration Hours

Welcome Reception & Early Registration	Sunday, June 11, 2006	4:00 p.m.-6:00 p.m.
Registration Desk (Hours are subject to change).	Monday-Wednesday June 12-14, 2006	7:30 a.m.-5:00 p.m.
	Thursday June 15, 2006	7:30 a.m.-2:00 p.m.

Registration Cancellations and Refunds

In the case of a cancellation, participants are required to inform PACON International, in writing, of their inability to attend or any changes in enrollment.

A full refund of registration fees, less a cancellation of US\$50.00, will be made to any participant canceling prior to May 20, 2006. **Refunds for cancellations received after May 20, 2006 will not be possible.**

FORMAL LETTER OF INVITATION

Requests for formal letters, particularly for visa application purposes to attend PACON 2006 Congress should be directed to:

CONTACT: PACON International
 PHONE: (808) 956-6163
 FAX: (808) 956-2580
 E-MAIL: pacon@hawaii.edu

Please provide your Full Name, Job/Position Title, Affiliation, Mailing Address, Telephone, Fax, and E-mail. Authors **MUST** include the title of paper(s) to be presented and indicate if they are the Primary Author or a Co-Author.

SOCIAL ACTIVITIES

PACON 2006 has planned two social events for participants. Tickets for the PACON Lunches and Awards Banquet are included in the conference registration *as specified on the registration form* unless otherwise indicated. Additional tickets will be available for purchase on-site.

Sunday, June 11

Welcoming Reception for delegates (4:00-6:00 p.m.)
 The registration desk will be open during this time.

Tuesday, June 13

PACON Awards Banquet (7:00-9:00 p.m.)

TECHNICAL FIELD TRIPS

Technical field trips and spouse program during the conference will be arranged in Myanmar. For details, please contact PACON Secretariat at E-mail: pacon@hawaii.edu or check our website www.hawaii.edu/pacon for updates.

HOTEL RESERVATIONS

Traders Hotel Yangon
#223 Sule Pagoda Road
G. P. O. Box 888
Yangon, Myanmar
Phone: +95-1-242828
Fax: +95-1-242800
E-mail: businesscentre@tradersyangon.com.mm

DEADLINE FOR HOTEL RESERVATIONS: May 11, 2006

Daily Room Rates: **Deluxe Single US\$55.00 net, Deluxe Double US\$65.00 net**

The above rate is inclusive of:

- American buffet breakfast
- 10% service charge and commercial tax
- Welcome drinks upon arrival
- Complimentary airport transfer (two ways) for delegates

When you make hotel reservations, please mention the following:

- PACON Conference hosted by Myanmar Maritime University
- Indicate the Date & Time of Arrival, Airlines & Flight Number
- Indicate the Date & Time of Departure, Airlines & Flight Number

Hotel accepts US Dollars, Visa and MasterCard credit cards.

TRAVEL INFORMATION

All participants will require an ENTRY VISA for travel to Myanmar. Please contact your nearest Myanmar Embassy for procedures to obtain an entry visa. Allow 2-6 weeks for visa processing as it varies for each country.

Travel to Yangon, Myanmar can be done via Taipei, Bangkok, or Singapore.

Arrival Information

Before you arrive, you must declare on the customs form all valuables including your jewelry (watch, earrings, etc.), cellular or mobile phone, camera, laptop computer, etc.

OTHER USEFUL INFORMATION

Language: The official language of the Congress is English.

Climate: The normal temperature during June is High 30° Celsius (86° Fahrenheit) and Low 24° Celsius (76° Fahrenheit).

Currency: National currency is Kyat (pronounced as Chä). For exchange, please check rates in Myanmar. If you use US\$100 dollar bills, please bring “big head” or new and colored bills.

Credit Cards: Only Visa and MasterCard credit cards are accepted at the Traders Hotel Yangon.

Electricity: Electricity is 220V for the general facilities.

PACON 2006 EXHIBITS

An exhibition will be held in conjunction with the Technical Program. Three options for exhibition are available:

- 1) Tabletops – includes one table and may be unmanned at a cost of **US\$400 per table**. Tabletop exhibitors may provide exhibit materials: display, brochures, etc. for set-up by the exhibits committee.
- 2) Exhibit booth – includes one counter, two chairs, and lighting available at a cost of **US\$1,500 per exhibit**. Booth exhibitors will be required to enter into a contract with the organizers and make payment in advance for the space and services provided.
- 3) Congress Satchel Inserts -- have your promotional literature inserted into the delegate satchels for **US\$250 per insert**. The number of inserts into satchels are limited to twenty 8-1/2” x 11” sheets, or equivalent.

The area will be secure. Allocation of space will be strictly on a first-come, first-served basis.

THE DEADLINE FOR RESERVING EXHIBIT SPACE IS MAY 15, 2006. THE RESERVATION WILL BE HELD WITH A 50% DEPOSIT OF THE EXHIBIT FEE. FORWARD REMAINING BALANCE OF EXHIBIT REGISTRATION FEE BY MAY 31, 2006. For more detailed information on the PACON 2006 Exhibit, please contact the PACON International Secretariat at Email: pacon@hawaii.edu or Fax: (808) 956-2580.



Address for All Correspondence

**PACON 2006
PACON International
2525 Correa Road, HIG 407A
Honolulu, HI 96822 USA**

Telephone: 808-956-6163

Fax: 808-956-2580

E-mail: pacon@hawaii.edu

Web: www.hawaii.edu/pacon

IMPORTANT DATES

March 31, 2006	Deadline for Submission of Abstracts
April 14, 2006	Authors of accepted abstracts notified
May 11, 2006	Hotel Reservations Deadline (at special rates)
May 15, 2006	Final date for early registration fees
May 15, 2006	Deadline for Exhibit Space reservation
May 20, 2006	Final Date for Cancellations & Refunds (less US\$50 fee)
May 31, 2006	Remaining Balance of Exhibit Registration
June 11-15, 2006	PACON 2006, Yangon, Myanmar
June 15-16, 2006	Sixteenth Board of Directors Meeting