



OOAE

Ocean, Offshore and Arctic Engineering Division Newsletter

Daniel T. Valentine, Editor

Summer 2002

Chair's Message



Cengiz Ertekin

I will be completing my service on the Executive Committee (EC) of the OOAEE Division this coming June, and will pass the OOAEE torch to Prof. Arvid Naess who is the current First Vice-Chairman

of the EC. The Division will be in excellent hands of an outstanding group of colleagues who will serve in the EC. In addition to the continuing voluntary services of Arvid Naess, Michael Bernitsas, Dan Valentine, Hisaaki Maeda, Terry Jones, John Robinson, and John Halkyard, the EC will be joined by two new members of outstanding reputation: Bob Randall of the Texas A&M University at College Station, and Chang-New Chen of the National Cheng Kung University, Tainan, Taiwan. Many of you would know that Bob has already been actively involved in the student activities of the Division for a number of years, in charge of the paper and design competitions for graduate and undergraduate students.

You will see in this issue of our newsletter that we have been concentrating our efforts on the upcoming 21st International OMAE conference that will be held in June 23-28, Oslo, Norway. This prestigious conference series has been our most important resource in exchanging information to keep us up-to-date in OOAEE technology for 21 years, and I am proud to

say that it is getting better and better. I am grateful for the leadership of Arvid Naess as the Conference Chair and Subrata Chakrabarti as the Technical Program Chair of OMAE 2002, and to a great group of friends who coordinate the seven symposia, and to all the session organizers, reviewers and authors, who have spent countless hours in making sure that we can have another great gathering of colleagues and friends in Oslo. Hats off to them, as well as to Ramon Johnson of ASME, our Division Administrator, for his unbelievable support of the conference, to Christina Perakis, the Coordinator of our new OMAE 2002 Web Tool (a.k.a. to me 'electronic OMAE') for her efforts and patience in responding to our unending requests, and to Ketill Børge-Ask of the Norwegian Society of Chartered Engineers for his tremendous efforts in the local organization, and to many other individuals impossible to list in this small corner. I am grateful to you all for your help.

In reporting the activities of your Division, I must list some other issues that we have been working on since my last report. They are:

- 1) A new OOAEE Brochure is in the making and will be finalized soon. Please request extra copies of it from ASME (johnsonr@asme.org) in May to send them to your colleagues who are not members of the Division; we need more members to strengthen our activities and we need your help in recruiting them.
- 2) If you were wondering where we will gather in June of 2003, you will see in this issue that Cancun, Mexico is the venue of choice for OMAE 2003, as

unanimously selected by the International Conference Committee during its meeting in Rio de Janeiro last year. This will be the first time that we will have an OMAE conference in Mexico; what an exciting meeting it is going to be! The preparations for OMAE 2003 have already started under the leadership of Oscar Valle Molina of INSTITUTO MEXICANO DEL PETROLEO, which is the local organizing institute.

- 3) Two new co-sponsoring societies of the OMAE conferences have joined us recently; they are the Marine Technology Society of the US and the Society of Naval Architects and Marine Engineers of Taiwan. We welcome them and their members with great enthusiasm, and look forward to a fruitful relation of mutual interest in the years to come. The efforts of Dr. Andrew Clark, President of MTS, and Prof. Chang-New Chen, the Representative of SNAME of Taiwan, in this regard are greatly appreciated.
- 4) Not only must we look ahead but we should also look back to the history of our profession to remind us of what we have done (so that we do not reinvent the wheel) and also of the accomplishments to honor (so that we do not forget). In this spirit, EC member John Robinson has recently initiated a "History of Our Profession" project. Please contact him at robinsonj414@asme.org to provide your accounts of historical events in our profession.
- 5) The Extended Executive Committee (EEC) of the Division held its first meet-

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Chair's Message

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ing of the year in Houston on January 12-13. Seventeen members of the EEC attended. The conference activities, OMAE 2002 web site, OOAEE Division report, long term strategic planning, student activities, membership issues, JOMAE, participation in other ASME activities, and conference and division awards were among the many subjects discussed.

In closing, I would like to say that it has been a great pleasure to serve on the EC of the Division. I am deeply thankful to all my friends on the EEC and to the Chair of the Energy Resources Board and Senior Vice-President of the Council on Engineering of ASME, Frank Adamek, who have helped and supported me during my tenure as the Chair. It was a great learning experience for me. And I must kindly ask all members of the Division who have not yet served in Division committees to give it a try and see how fun and rewarding this experience can be. I will continue to be involved in the newly established Ocean Engineering Symposium of the OMAE conference series, and to serve in the Advisory Committee of the Division, so I will see you around. Thank you for all your support.

R. Cengiz Ertekin, OOAEE Chair
ertekin@hawaii.edu

What's Your Story?

The OOAEE Division is compiling an oral history about Ocean, Offshore and Arctic Engineering. We want to capture personal histories and anecdotes from people involved in the industry. Do you have a story to tell about a project you worked on? If so, drop us a line. Stories will be posted on the division web site.

Send written contributions and photos to: John Robinson at Robinsonj414@asme.org

What Can Membership in the OOAEE do for you?

When you renew your ASME membership every year, you are asked to answer several questions. One of these questions is your preference for Technical Divisions. You probably fill this out based upon your current work assignment or professional interest and then forget about it. Once or twice a year you get a newsletter from those divisions telling you what they have been doing. You glance at it and throw it away. And that, for most of us, is the extent of our participation in technical division activities. If this describes you, you are missing a great opportunity for professional growth.

You might have thought you would like to get involved in your technical division but felt you were (1) not smart enough, (2) not old enough or (3) not experienced enough, (4) needed a PE or

(5) nobody has asked me. Well, ASME and their Technical Divisions are volunteer organizations. Many ASME activities are planned, organized and run by volunteers. And one of the good things about a volunteer organization is that they accept help from anyone. Anywhere. Anytime. No one is turned down.

But what is there to do? Aren't all the jobs taken?

Hardly! There are lots of things that need to be done. You might see a connection here. The more people that get involved in the division, the more things that get done, which makes the division more interesting, which means more people want to get involved...you see where this is going? If the division had people to handle all the things we think about doing, we could provide a range of activities for our members. Some examples of ongoing needs are:

- Newsletter Editor
- Awards Committee
- Student Design Project Mentors
- Student Paper Competition Judges
- OMAE Conference Paper Reviewers
- Conference Session Organizers
- Scholarship Judges
- OMAE Journal Paper Reviewers
- Local Chapter Organization

Many of these only require a small time commitment and can be done in the comfort of your own home or office. Most of the communication is done by email, phone and fax. ASME also uses some excellent web based tools to help with communication.

OK. But how will volunteering in the division help me professionally?

For one thing, this is a great way to build a network of professional contacts. The people you meet in the division are on the cutting of the technology. You will meet people who are experts in their field or who manage the mega-projects you read about in the news. You will be in a position to talk to some of the top people in your profession.

Another benefit is being able to practice business skills. Working in the division is a great way to gain experience in giving presentations, facilitating meetings or developing interpersonal skills such as effective listening and persuasion. These are all non-technical skills that your employer will find valuable. Working in the division is a non-threatening way to develop these skills. Having a list of top people that you know personally and can call for technical advice as well as being the best guy in your company at running a meeting can't be bad.

So, if you are waiting to be asked, consider this as asking you. Drop me an email at Robinsonj414@asme.org and I will make sure you get involved.

John Robinson

Update on Best Graduate Student Paper Competition and International Student Offshore Design Competition 2001-2002

The ASME Ocean, Offshore and Arctic Engineering Division has organized a Best Graduate Student Paper Competition. The deadline for receiving papers is June 15, 2002. Graduate students may still submit participation forms with intent to submit papers. The participation forms and competition guidelines may be obtained from the OOAEE Division web site (www.oaee.org). If more information is needed, please contact Bob Randall (979-845-4568 or r-randall@tamu.edu). A \$500 cash prize will be awarded to the winners. The winners will be notified on or about September 15, 2002.

The International Student Offshore Design Competition (ISODC) was announced in the Fall of 2001 for the 2001-2002 academic year. The competition is co-sponsored by the Society of Naval Architects and Marine Engineers (SNAME) and the OOAEE Division of ASME. The objective is to develop an appreciation of the design process, encourage teamwork, and establish mentor relationships between students and the offshore industry. An emphasis is placed on teamwork and the combining of multiple technical considerations.

The design report submission is due June 28, 2002, and the winner will be announced September 15, 2002. Cash awards of \$1500, \$750, and \$500 will be given to the top three teams and plaques will be presented to the top five teams. Further information may be found at www.oaee.org and www.sname.org.

Bob Randall



Oslo Norway in June

Join us at the 21st International Conference on Offshore Mechanics and Arctic Engineering (OMAEE 2002) in Oslo, Norway in June. This international conference is the primary activity of the division. This year the conference is jointly organized by the OOAEE Division of ASME and the Norwegian Society of Chartered Engineers. Come and join us to exchange ideas, share knowledge and discuss recent advancements in the offshore industry with hundreds of professionals from around the globe.

The OMAEE 2002 Conference consists of seven symposia and a number of workshops. Some details of the symposia and an example workshop are described next.

Offshore Technology Symposium

Coordinator: *Subrata Chakrabarti*

This year's Offshore Technology (OFT) Symposium will be an exciting one. The current increased deep-water offshore activities are well reflected in the contents of the papers submitted. Engineered structures of interest in deep water application are Floating Production and Offloading Systems (FPSO), SPAR, Tension Leg Platform (TLP), Single Point and Spread Mooring Systems (SPM) and 4th generation semisubmersibles. Special emphasis is placed in the deep-water riser development including Steel Catenary Riser (SCR) and the problems associated with them, such as vortex-induced vibrations.

This developmental trend is clearly evident in this year's OFT Symposium papers. This year the symposium has attracted similar response as the last year's OMAE conference with about 80 plus papers in the Offshore Technology area alone. They cover numerous important aspects of offshore technology with particular attention to the above subjects. A large number of papers will discuss floating moored systems, such as FPSOs, including risers, moorings and cables. There is also interest in the SPARs and semisubmersibles. Particular emphasis has been seen in the vortex induced vibration problem. Many papers deal with the hydrodynamic aspect and structural aspects as well.

The overall subject matter of the OFT Symposium is quite varied. It covers many areas of Offshore Mechanics including ocean environment, hydrodynamics, fixed structures, floating body dynamics, and structural and foundation design. A few practical workshops that will encourage and stimulate dialog among the participants are in the planning stage.

The symposium includes papers that are of equal interest to the researchers and the practicing engineers alike. There is a good balance of theoretical and practical papers this year. The ASME website is continually updated and allows one to review the breadth and depth of the Offshore Technology Symposium papers that will be presented at this year's conference.

Pipeline Technology Symposium

Coordinator: *Terry Jones*

The Final Program for the OMAE 2002 Pipeline Technology Symposium is shaping up. Papers have been accepted in six different subject areas. Some of the highlights of the different subject areas include:

- **Mechanical Behavior:** Papers cover subject areas such as the fatigue life of dents, evaluating the puncture strength of pipelines, bursts on corroded pipelines, evaluation of sandwich pipelines, and buckle propagation in pipe-in-pipe systems.
- **Flexible Pipe:** Subjects discussed in this session include fatigue considerations in flexible risers, evaluation of performance of some currently used connectors, and the development of low cost flexible pipe for arctic applications.
- **Pipeline Design:** Topics included here are such things as analyzing drag chains on floating pipelines, predicting wave kinematics on subsea pipelines, and the lateral stability of high temperature, high pressure pipelines.
- **Pipe Soil Interaction:** In this area, papers addressing probabilistic optimization of free span surveys of gas pipelines and special considerations for a dynamic landfall area in the Black Sea.
- **Thermal Effects and Flow Assurance:** In this session diverse topics such as evaluating the thermal conductivity of clay backfill soils, thermal effects with subsea heatbank, heat transfer in gas/condensate lazy wave risers under transient conditions, flow assurance in wet gas pipelines from a corrosion point of view, thermal analysis of passive and active heating systems for flow assurance.

We hope you will join us in this interesting program.

OE Symposium and the John V. Wehausen Mini-symposium on Water Waves

Coordinators: *R. Cengiz Ertekin and Daniel T. Valentine*

The Ocean Engineering symposium is a new addition to the OMAE series of international conferences. Applications of technology over the breadth of ocean engineering are covered in more than 70 papers (40 plus papers for the OE Symposium and more than 30 papers for the John V. Wehausen Mini-Symposium described below). The OE Symposium papers are in sessions entitled: Wave Mechanics & Wave Effects, Marine Vehicles & Structures, Towed & Undersea Cables & Pipes, Mooring & Buoy Technology, Underwater Technology, Computational Mechanics & Design Applications, Geotechnology, Foundation Engineering & Marine Mining, Coastal Hydrodynamics, Renewable Energy, Aquaculture, Instrumentation & Measurement. This symposium brings together a variety of researchers and engineers from the naval and industrial ocean engineering community to present

and discuss results of their work on design technology, nonlinear phenomena and the development of experimental, observational and computational tools. This symposium is an opportunity for the engineers in industry, university, and government to develop and foster collaborations in their endeavors to improve ocean technology.

The main event of the Ocean Engineering is the John V. Wehausen Mini Symposium on Water Waves, Ship Waves and Marine Hydrodynamics. **Subrata K. Chakrabarti, R. Cengiz Ertekin, Joe Hammack, Daniel T. Valentine, and Ronald W. Yeung** organized this honorary symposium. This event honors the significant accomplishments of Professor John V. Wehausen in the fields of linear and nonlinear water waves that have guided our community in the investigation of these phenomena. More than 30 papers are to be presented by some of Professor Wehausen's colleagues and former students, all of whom have distinguished themselves in their fields. There are reviews and discussions on the present state of wave mechanics and on the future of this field from the point of view of naval architecture, ocean and offshore engineering. This symposium shall provide guidance to those interested in continuing the advancement of this field at the outset of the new century and new millennium.

Detailed information on these two symposia and on the OMAE 2002 Conference in Oslo can be found at the OMAE 2002 web site <http://www.asmeconferences.org/omae02> and at <http://www.oae.org>.



John V. Wehausen

Professor John V. Wehausen's highly distinguished career spans the latter part of the last century. He has made major contributions to our understanding and prediction capabilities in surface waves, ship waves and nonlinear waves. His archival papers and as well as his class notes on water waves and marine hydrodynamics are extensively cited in the archival literature. Among the awards he has earned is the Davidson Medal from the Society of Naval Architects and Marine Engineers. He is a member of the National Academy of Engineers. He was Executive Editor of *Mathematical Reviews* from 1950 to 1956. He was co-editor for 17 years of the *Annual Review of Fluid Mechanics*. He was a regular at the well-known ONR Symposia on Naval Hydrodynamics. His Scholarship and Teaching at Berkeley are known to be exemplary. We are proud to honor Professor Wehausen and are grateful for his acceptance of our invitation for his attendance at OMAE 2002.

Other Symposia Rounding out OMAE 2002

Safety & Reliability (Coordinator: **Carlos Guedes Soares**): This symposium addresses probabilistic methods that allow the description of loading and strength variables, which constitute the basic information necessary for the assessment of the reliability of structures. There are sessions on: Extreme and Freak Waves, Probabilistic and Spectral Wave Models, Wave Crest Distributions, Probabilistic Models of Forces and Motions, Reliability of Structural Components Offshore Structures, Pipelines & Floating Production Systems, Fracture and Fatigue Reliability, Reliability Based Maintenance and Inspection Planning, Safety Against Oil Pollution, Fire and Explosion Safety; Risk Analysis and Safety Management; Human and Organizational Factors among others.

Ocean Space Utilization (Coordinator: **Hisaaki Maeda**): This symposium explores the next frontier of sustainable food, energy, materials, and land space for humanity.

Polar & Arctic Sciences & Technology (Coordinator: **Walter L. Kuehnlein**): This symposium promotes the understanding of the cold regions of the earth through Environmentally Compatible Design, Construction, Safe Operation, Maintenance, and Integrity of both offshore and onshore structures in these fragile regions.

Materials Symposium (Coordinator: **Mamdouh M. Salama**): The technical areas covered in this symposium include Material Performance & Application, Fabrication, Integrity Assessment, Design, and Corrosion Control.

OMAE 2002 Workshop: Advancing Fatigue Practices for Floating Structures

The objectives of this workshop are to discuss state of fatigue stress assessment and requirements, to define business drivers and areas for technical improvement, and to bridge gaps between research and engineering applications. It is to be chaired by **Dr. Jui-Fang (Ray) Kuo**, ExxonMobil Upstream Research Company, USA, and co-chaired by **Professor Wolfgang Fricke**, TU Hamburg-Harburg, Germany.

OMAE 2002 Conference Web Site

In August of 2001, ASME introduced a web-based conference planning tool for the **21st International Conference on Offshore Mechanics and Arctic Engineering** (Oslo, Norway) that provides authors and conference organizers the opportunity to plan and manage their own conference through a central source. The tool mimics the process currently being used by ASME Technical Divisions and will enable them to interact with their conference program and organization in a unique and efficient manner. This "do-it-yourself" tool was initially set-up by the ASME staff and then structured by the organizers around their specific technical program and conference organization. By using the full functionality offered by the tool, every aspect of conference planning can be executed by the respective parties: authors, reviewers, session organizers, and symposium coordinators. Some of the tools many features are: a central site for full conference planning, on-line submission of abstracts and final papers, on-line determination of acceptance, on-line review process, creating and posting of preliminary and final programs, availability of author guidelines and applicable forms, author assistance and support, author biographies, up-to-the-minute conference statistics, on-line registration and hotel information and much more.

For more information, please visit the OMAE 2002 conference web site at www.asmeconferences.org/omae02.

Incoming Chair's Message



Arvid Naess

Having been a member of the Executive Committee (EC) of the OMAE and then OOA Division for a number of years, I have had the good fortune of getting to know and work with quite a

number of exceptional and dedicated people, that I am proud to call my friends. Serving on this committee has certainly been a genuine pleasure ride on my part, and I have during this time period acquired insights and knowledge that I consider extremely valuable.

I shall enter my last year on the EC by taking over the chairmanship of the Division from Professor Cengiz Ertekin. I consider myself lucky indeed that the Division has had two very able leaders since the merger between the OMAE and the OE Divisions. First Professor Stephen Liu, after having served for two years as the Chair of the OMAE Division, did us all a great service by accepting to serve as Chair for an extended tenure of two more years to consolidate the situation after the merger and to develop the new division. We all owe him a great tribute for his superb work. Under the leadership of Cengiz Ertekin, the Division has also moved ably into the inter-

net age. We now have a very attractive home page, giving the visitor the opportunity to explore the Division and its services. Cengiz has also been instrumental in finalizing the Bylaws of the new division, developing the 'interface' with ASME and new exciting web tools. The standard set by these two leaders, and their predecessors, can only serve as an inspiration and a goal to strive for. In this light, it is reassuring for me to know that I have an extremely able EC to rely on and to work with to further develop the Division toward what we would all like it to become - the first choice among our professional peers as well as the budding ocean and offshore engineer.

The slate of elected officers for the EC of the OOA Division that will serve the members during the term July 1, 2002 through June 30, 2003 is shown in the table below.

In addition to the new EC, the Division is also fortunate enough to be able to continue to draw on the expertise and advice of a number of truly dedicated and knowledgeable individuals, who have served the Division and its members for many years, and who's contributions to us all are impossible to overrate. They are Subrata Chakrabarti, Denby Grey Morrison, Mamdouh Salama, Carlos Guedes Soares. Without hesitation, I would claim that the annual OMAE conference series owe its status as a world leading ocean and offshore engineering conference largely to these people.

The main purpose of the OOA Division is to promote the ocean, offshore and

arctic engineering profession by serving its members well. In an effort to achieve this, I shall focus in particular on the following issues:

- Improving Division services to its membership
- Recruiting new members, also internationally, to the OOA Division

OOAED's Executive Committee Members for the Period 1 July 2002 - 30 June 2003

Chairman	Arvid Naess
First Vice-Chairman	Mike Bernitsas
Second Vice-Chairman and Treasurer	Dan Valentine
Secretary	Hisaaki Maeda
Member	Terry Jones
Member	John Robinson
Member	John Halkyard
Member-Elect	Bob Randall
Member-Elect	Chang-New Chen

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Incoming Chair's Message

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sion, including student members

- Activate passive members of the Division
- Increase participation by former OE Division members in OOAЕ activities and in JOMAE publications
- Long-range strategic planning
- Continued development of the OMAE Conferences
- Industry participation to secure focus on industry needs and interests.
- OOAЕ technical committees and their role and function in the development of the Division and its services

I close my message by urging all members to get involved in the Division and OMAE conference activities, if you have not already done so. This can be done on many levels, depending on your situation. This is your Division, and it is totally dependent on the work of volunteers. It simply cannot reach its goals without the involvement of its members. Please realize that you really help yourself by helping us. Our common goal is a professional community we are proud to be part of.

Arvid Naess

Editor's note



Daniel T. Valentine

The main purpose of this issue of the OOAЕ Division Newsletter is to solicit ASME member participation in the 21st OMAE International Conference (OMAЕ 2002).

The other purpose is

to inform ASME members about the primary activities of OOAЕ. They are the seven symposia of the OMAЕ Conference, the *Journal of Offshore Mechanics and Arctic Engineering*, and the student activities to encourage students to consider careers in mechanical engineering. We look forward to your participation in the activities of this division. The primary goals of which are devoted to technical communications and student encouragement.



CANCÚN, MEXICO

Dr. Ernesto Heredia Zavoni, IMP Representative

The 22nd International Conference on Offshore Mechanics and Arctic Engineering (OMAЕ 2003) will be held June 8-13, 2003 in Cancun, Mexico. It is being organized by the OOAЕ Division of ASME along with the Instituto Mexicano del Petroleo (IMP). This continues OOAЕ's efforts to bring together annually members of the scientific community, researchers, academia and the ocean, offshore and arctic engineering industries from several parts of the world.

Mexico is the sixth largest producer of oil worldwide. About 80% of its production is obtained offshore, mainly from the Bay of Campeche. Oil production in the Bay of Campeche started in 1975. Currently, the offshore facilities of Petroleos Mexicanos (PEMEX) handle an oil production of 2.5 millions of barrels per day and 1.5 billions of cubic feet of gas.

The Instituto Mexicano del Petroleo (IMP), the center for research and development of the Mexican oil industry, is the host of OMAЕ 2003. Since its creation, IMP has been the main provider of technical support for PEMEX oil production. It has been actively involved in the most important projects undertaken by PEMEX for offshore development. Recently, the main technology developments at IMP have been related to the generation of risk-based design and assessment criteria for jacket platforms and submarine pipelines, and the establishment of risk-based inspection plans and maintenance strategies.

Following the tradition of excellence set by previous OMAЕ conferences, OMAЕ 2003 will be held to advance the development and exchange of information regarding ocean, offshore and arctic engineering. It will be the setting for researches, engineers, managers, technicians, and students, to discuss new and advanced technology developments and their applica-

tions in industry. It will also help promote international cooperation. More than 400 technical papers are expected to be presented at the conference within seven main symposia: Offshore Technology, Safety and Reliability, Materials Technology, Pipeline Technology, Ocean Space Utilization, Ocean Engineering, Polar and Arctic Sciences and Technology. In addition, industry workshops, special sessions and keynote lectures will be included in the technical program. National and international oil companies are expected to sponsor and participate in the conference.

The location of OMAЕ 2003, Cancun, Mexico, is a resort famous for its natural beauty and beaches. Surrounded by the clear turquoise waters of the Caribbean Sea, Cancun is also close to some of the most fascinating archeological sites. It has a world-class hotel infrastructure for tourism and accommodations for conferences, large meetings and exhibitions. Cancun offers a wide variety of outdoor recreational and leisure activities. It has the second largest international airport in Mexico with 180 daily flights and can be reached by air from different departing points. Besides its resort attractions, Cancun also provides the opportunity to be exposed to the ancient culture of the Maya. The famous archeological sites of Tulum, Chichen Itza and Uxmal can be visited from Cancun.

The OMAЕ 2003 conference is being planned and organized to meet the scientific, technical, and industry expectations of those attending the conference. It will provide top facilities for achieving the goal of the conference and to host the participants with the best comfort. The city of Cancun, with its exuberating nature and archeological sites, will be an ideal place for holding the conference.

Welcome to the new Co-sponsoring Societies of the OMAЕ Conferences

Marine Technology Society, USA
and
Society of Naval Architects and
Marine Engineerings, Taiwan

Visit the
OOAED's
web site at

www.ooae.org

Online Journal
of OMAЕ
is here, visit

[ojps.aip.org/ASMEJournals/
OffshoreMechanics/](http://ojps.aip.org/ASMEJournals/OffshoreMechanics/)

Visit the OMAЕ 2002
web site at

www.asmeconferences.org/omae02/

OOAE Division: 2001-2002 Roster

Committee	Chairs/Members
D.1. Executive Committee	
Chair	Cengiz Ertekin
First Vice-Chair	Arvid Naess
Second Vice-Chair and Treasurer	Jorge dos Santos
Secretary	Dan Valentine
Member	Michael Bernitsas
Member	Terry Jones
Member	Hisaaki Maeda
Member-Elect	John Robinson
Member-Elect	John Halkyard
B.1. Technical Committees	
P-1 Offshore Technology	Subrata Chakrabarti
P-2 Safety & Reliability	Carlos Guedes Soares
P-3 Materials Technology	Mamdouh Salama
P-4 Pipeline Technology	Terry Jones
P-5 Ocean Space Utilization	Hisaaki Maeda
P-6 Ocean Engineering	Cengiz Ertekin, Dan Valentine
P-7 Polar & Arctic Sciences & Technology	Walter Kuehnlein
B.2. Advisory Committee	
OOAE Chair	Cengiz Ertekin
OOAE First Vice-Chair	Arvid Naess
Past OOAE Chairs	Stephen Liu
IC Committee OOAE Reps	Jim Brekke, Denby Morrison
Symposia Coordinators	Subrata Chakrabarti, Cengiz Ertekin, Terry Jones, Walter Kuehnlein, Hisaaki Maeda, Mamdouh Salama, Carlos Guedes Soares, Dan Valentine
B.3. International Conference Committee	
Chair	Arvid Naess
OOAE Representatives	Jim Brekke, Denby Morrison
Co-sponsoring Society Representatives	http://www.oaee.org/omaecosponsors.htm
B.4. Technical Program Committee	
OMAEE 2002 Chair	Arvid Naess
OMAEE-ASME Liaison & Technical Program Chair	Subrata Chakrabarti
Symposia Coordinators	Subrata Chakrabarti, Cengiz Ertekin, Terry Jones, Walter Kuehnlein, Hisaaki Maeda, Mamdouh Salama, Carlos Guedes Soares, Dan Valentine
OMAEE Session Organizers	http://www.oaee.org/omaeesymposia/symposia.htm
B.5a. Transactions JOMAEE Editorial Board	
Technical Editor and Chair	Stephen Liu

Associate Technical Editors	http://www.ooae.org/jomae/jomae.html
B.5b. Member Services Committee	
Chair	John Robinson
B.5c. Codes & Standards Committee	
Chair	John Halkyard
Vice-Chair	Terry Jones
B.5d. Honors & Awards Committee	
Chair for Division & Conference Awards	Michael Bernitsas
Chair for ASME Honors & Awards	Subrata Chakrabarti
B.5e. Student Contest & Scholarship Committee	
Chair	Bob Randall
Vice-Chair	John Robinson
ISODC Representatives Chair	Bob Randall
ISODC Representatives	Mike Bernitsas, Charles Dalton, John Halkyard, John Robinson
B.5f. Newsletter & Publicity Committee	
Chair	Hisaaki Maeda
Newsletter Editor	Cengiz Ertekin, Dan Valentine
All Committee Chairs and all OMAE Session Organizers	B.1 and http://www.ooae.org/omaesymposia/symposia.htm
B.5g. Technical Group Operating Board	
OOAE Reps to Energy Resources Board	Cengiz Ertekin, Arvid Naess
B.5h. Representation to ASME National Committees	
Representatives	Michael Bernitsas, Cengiz Ertekin, Arvid Naess, Terry Jones
B.5i. Representation to ASME Energy Committee	
Representative	Terry Jones
B.6. International, Regional or Local Chapters Committee	
Co-Chairs for International Chapters	Hisaaki Maeda, Denby Morrison
Chair for Regional/Local Chapters	John Halkyard
C.1 Long-Range Strategic Planning Committee	
Co-Chairs	Michael Bernitsas, Arvid Naess
OOAED Webmaster	
www.ooae.org or www.omaee.org	Cengiz Ertekin
ASME Staff Support	
	Ramon Johnson, Angela Buonvicino, Elio Manes



OMAE 2002

OSLO, NORWAY

21ST INTERNATIONAL CONFERENCE ON OFFSHORE MECHANICS AND ARCTIC ENGINEERING

The University of Oslo at Blindern
Oslo, Norway
June 23–28, 2002



You're just a click away from the preliminary program and the latest information on OMAE 2002 ...

www.asmeconferences.org/omae02

DON'T MISS THESE SPECIAL SESSIONS...

- Raising of the Kursk
- The Accident of The P-36 Platform
- Advancing Fatigue Practices for Floating Structures

SEARCH THE CONFERENCE ONLINE...

Browse and search hundreds of manuscript abstracts and technical sessions in the following symposia...

- Offshore Technology
- Safety & Reliability
- Materials Technology
- Pipeline Technology
- Ocean Space Utilization
- Polar & Arctic Sciences & Technology
- Ocean Engineering **NEW!**

PARTICIPATE IN...

- The John V. Wehausen Mini-Symposium on Water Waves, Ship Waves, and Marine Hydrodynamics

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