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June 15–20, Busan (Pusan), Korea

The Twenty-fourth (2014) International
**Ocean and Polar
Engineering Conference**

Including additional Symposia:

3rd Tsunami & Safety
5th Arctic Science & Technology
4th Arctic Materials
5th Renewable Energy & Environment
6th Sloshing Dynamics & Design
6th Frontier & Clean Energy Tech
12th High-Performance Materials
3rd Asset Integrity
8th Strain-Based Design

ISOPE-2014

Busan, Korea, June 15–20

Technical Program

Refereed papers from **some 50 countries** in technical and
General and Keynote sessions
General Information, Reservations, Publication and Program
Updates on www.isopec.org; www.isopec2014.org
Forms for Advance Registration and Venue Hotel:
Inside this program and on www.isopec.org

Organized by:

Technical Program Committee, ISOPE

Sponsored by:

International Society of Offshore and Polar Engineers (ISOPE)
with cooperating organizations (list inside)



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meetings@isopec.org; www.isopec.org

The Twenty-fourth (2014) International Ocean and Polar Engineering Conference

GENERAL INFORMATION

Further details to be updated on www.isopec.org.



PLACE AND DATE:

Busan (Pusan), Korea
June 15–20, 2014

All ISOPE-2014 Conference's technical events, reception, annual banquet, tea breaks and registration will take place at:

BEXCO

55 APEC-ro, Haeundae-gu,
Busan, Korea
Tel: +82-51-740-7300

HOTEL RESERVATIONS

Please make your reservation directly with the Hotel. Use the Hotel Reservation Form for online, email or fax reservation: ([Reservation Form in PDF](#))
You can also download this form in December from www.isopec.org or www.isopec2014.org.

LANGUAGE

The language for the conference is English. No translation services will be available.

AIR TRANSPORTATION

Gimhae (Busan) International Airport is one of Korea's major hubs, serving over 628 scheduled flights per week. It's only 40 minutes from the convention venue.

Domestic Flights

Korean Air, Asiana Airlines and Air Busan Airlines fly to Busan from Incheon/Seoul International Airport and Gimpo/Seoul Airport, which are Korea's main gateways to the world. The flight takes 50 minutes.

International Flights

Gimhae (Busan) International Airport offers direct flights from 10 countries and 28 cities, including Munich, Germany. Eighty-four (84) international airlines provide regular service between Incheon/Seoul International Airport and other major cities worldwide, with over 2,700 scheduled flights per week.

Visitor information counters are located throughout Gimhae International Airport (Tel. +82-2-2660-2114-from overseas, +82-1661-2626-in the country). For the most current flight service, contact your travel professional.

GROUND TRANSPORTATION

Ground transportation services from Gimhae/Busan International Airport to the conference venue **BEXCO** (27 km distance or 40 minutes by a car) are provided by:

Taxi:

Service is available at the exit of the airport.

Cost: Approximately less than 25,000 KRW (25USD) total. KRW = Korean Won. Most taxis take payment by cash (KRW), credit card and transportation card (Maximum allowed up to four people with luggage per taxi).

Bus:

Service is available 2 m from the exit of the airport.

Take No.307 Bus to the venue BEXCO.

Cost: Approximately 2,000 KRW (2 USD)

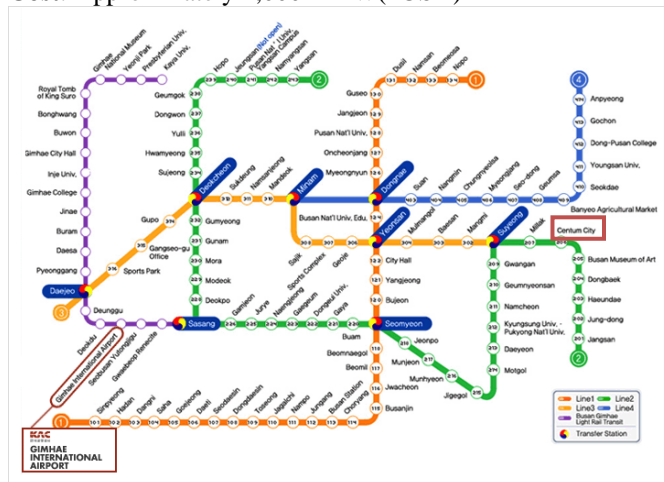


※ If you use the Transportation Card, swipe the card when getting off the bus for automatic entitlement to a free transfer to another bus or to the subway (provided that your journey is continued within 30 minutes).

Subway:

Service is available 5 m from the exit of the airport. Take **Busan Gimhae Light Rail Transit** and transfer to **Line 2** at **Sasang Station** and get off at **Centum city (BEXCO) station**.

Cost: Approximately 2,000 KRW(2USD)



Rental Car:

Rental car desks for Kumho, Pacific, Unity, Gukje, Aju Auto and Samsung are located adjacent to the main exit on the 1st floor of the domestic terminal. Driving distance to BEXCO is 27km and driving time will be about 40 minutes.

BEXCO PARKING

BEXCO offers self-parking (3,125 spaces) at 1,000 KRW for the first 30 minutes and 500 KRW for each additional 30 minutes.

MARINE TRANSPORTATION

Visitors to Busan can also arrive by ship from Japan and China. Busan has international port terminals, which are located about 25 minutes from BEXCO. This international seaport is the main gateway to Korea for visitors who arrive by ship.

From Japan. The Bugwan Ferry, Korea Ferry, and Korea Marine Express companies provide regular service between Busan and cities in Japan, including Osaka, Hiroshima, Shimonoseki and Fukuoka. High-speed hydrofoil service also operates between Busan and Fukuoka.

From China. The Weidong Ferry and Jincheon Ferry Companies provide regular service between China and Busan.

SHOPPING

Shinsegae Department Store (World's largest department store according to World Guinness Book) and Lotte Department Store are located adjacent to BEXCO.

CURRENCY EXCHANGE

Cash dispensers (ATMs) that accept all major credit/debit cards can be found at several locations in the airport, and at banks and retail areas throughout the city. There is an ATM machine in BEXCO.

Currency exchange services will charge either a flat fee for small denominations or a percentage of the amount exchanged.

Usually the exchange rate is more favourable at the banks.

TAX

Purchases at the stores are subject to a sales tax of 10% (as of December 2012) of the purchase price, which is **included in the sales price.**

CITY TRANSPORTATION

City tour bus or Boat sightseeing

Rental car/Motorbike

Taxi

Regular public bus service

Subway

ELECTRICITY AND OUTLET ADAPTER

220 volt outlets are most common (two round pins).
Though the hotels may have a few outlet plug adapters to borrow, it is suggested to bring a universal outlet adaptor.

TIMEZONE

Korea Standard Time (KST) is the standard time zone for both North and South Korea and is 9 hours ahead of UTC (UTC+09:00) .

CURRENCY

Korea`s official monetary unit is **Won (KRW)**.
Exchange rate for **KRW/US Dollar** is about 1,076 won (as of December 2012).



10,000 won



LANGUAGES SPOKEN

Korean, English

TIPPING

At restaurants, usually service charge or tip is included in the price of the food. For taxi rides, it is not necessary to tip the driver. In the hotel, usually service charge is included in the hotel bill.

HOURS OF OFFICE AND BUSINESS OPERATION

- Shopping hours in the City of Busan: Monday to Sunday from 10:30 to 20:00.

- Banks are generally open 9:00 am to 4:00 pm Monday to Friday.
- There are hospitals and pharmacies very close to BEXCO.

INTERNET ACCESS

Korea is the most internet-connected country in the world.

- Wi-Fi service is free within BEXCO. Guests can connect via “BEXCO Free Zone” on all levels of the conference venue.
- Hotels have Wi-Fi connection, although some charge for use.

IN BEXCO BUSINESS SERVICES (with charge)

- Business Services (Mail, Fax, Email, Photocopying, etc.)
- Audiovisual Equipment
- PC’s & Printers available

Hotels provide similar services also.

DINING & ENTERTAINMENT (BCVB)

At BEXCO, there are numerous restaurants on the underground level, including a spacious fusion buffet restaurant with a wide arrange of delectable cuisines plus a McDonalds and a Starbucks for guests in need of quick bites on the move.

Within 5 minutes walking distance from BEXCO, there are two large department stores with huge food courts that offer a wide selection of menus to satisfy any dietary requirements of the guests, and many other exotic restaurants are located within comfortable walking distance from BEXCO and major accommodation facilities.

WEATHER

June	Avg Temp. °C			Hum.
	Avg	Max.	Min.	%
Busan	20.5	24.4	17.9	77.4

ACTIVITIES AND ATTRACTIONS

Busan, a bustling city of approximately 3.7 million residents, is located on the southeastern tip of the Korean Peninsula. Busan’s stunning natural environment is a harmonious blend of mountains, rivers and the sea. Its geography includes a coastline that has both superb beaches and scenic cliffs in abundance, mountains which provide excellent hiking and extraordinary views, and hot springs scattered throughout the city. Busan enjoys four

distinct seasons and a temperate climate that never gets too hot or too cold.



Busan offers a full range of activities and attractions to enjoy such as scenic beaches, swimming, sailing, climbing, and numerous sightseeing opportunities. The following websites provide useful information you should find helpful in planning your Busan visit.

Related web links:

<http://www.busancvb.org/english/visitors/index.php>

<http://tour.busan.go.kr/>



PRE- AND POST-CONFERENCE TOUR

Gyeongju

As the capital of the Silla Kingdom for almost a thousand years, Gyeongju preserves a vast amount of significant and fascinating historical heritage. Along with Bulguksa Temple and Seokguram Grotto, the Gyeongju Historical District has been designated as a World Heritage by UNESCO. Due to the bountiful historical, natural and cultural attractions, this region has long been a major tourist destination in Korea. It is only a 1-hour drive from Busan.

Guide Book

A guide book describing the many fun activities and attractions available on Busan can be found at <http://www.busanvrb.org/english/visitors/index.php>
<http://tour.busan.go.kr/>
<http://english.tour2korea.com>

Busan is an Ocean Industry Hub



Local Sites of Interest



Here are some major tourist attractions in Busan.

Busan Cinema Center <http://www.dureraum.org/>
Biomes (Temple) www.beomeosa.co.kr
Taejongdae www.taejongdae.or.kr
Jagalchi Seafood Market www.ijagalchi.co.kr
Yongdusan Park www.yongdusanpark.or.kr
Busan Museum www.museum.busan.kr
UN Memorial Cemetery www.unmck.or.kr

SIGHT SEEING AND TOUR PROGRAM

Visit *Tour Information Desk in BEXCO* or Visit *Tour Desk near the Conference Registration area*.



ADVANCE CONFERENCE REGISTRATION

Registration fee starts at **\$TBD** with discount available for students. Click [here](#) for the Advance Registration form.

Mail your registration form together with your payment to:

ISOPE Accounting (ISOPE-2014)
495 North Whisman Road, Suite 300
Mountain View, California 94043-5711
USA

Email: isope-2@isope.org
Fax: +1-650-254-2038; **Phone:** +1-650-254-1871

Advance Registration Deadline:

Presenting authors: March 24, 2014.

Non-authors and non-presenting authors: May **15**, 2014

REGISTRATION BADGE

Conference registration badges are required for admittance to all the conference activities, including the reception and banquet.

ON-SITE CONFERENCE REGISTRATION:

Grand Promenade

Participants who miss the advance registration (before **May 15**) may register on-site at the Conference Registration Desk, but there is US\$100 surcharge. The registration desk will be open during the following hours:

Sunday, June 17 15:00-18:00 Wednesday, June 20 08:00-15:00

Monday, June 18 07:30-16:00 Thursday, June 21 08:00-13:00
Tuesday, June 19 08:00-16:00

ISOPE-2014 CONFERENCE PROCEEDINGS

A 4-volume ISOPE-2014 conference proceedings on CD-ROM (**ISBN 978-1-880653-to be announced; ISSN 1098-6189**) is included in all conference registration fees. For additional or separate orders, download the **Publications Order form** from www.isopec.org for post-conference order:

A 4-volume Conference Proceedings CD-ROM (X,XXX pp. est.)
Mail, E-mail or Fax order \$TBA (ISOPE Member \$TBA)

E-mail or Fax Order from: **ISOPE, 495 North Whisman Road, Suite 300, Mountain View, California 94043-5711, USA: Fax 1-650-254-2038; orders@isope.org.**

Advance payment is required. MasterCard, VISA, or AMEX; international money order or U.S. bank checks in US Dollars **payable to ISOPE** will be accepted. Shipping and handling charges will be added (Download the Publication Order Information from www.isopec.org).

CONFERENCE RECEPTION

Sunday, 17:00 TBA

ANNUAL CONFERENCE BANQUET

Wednesday BEXCO

AUTHOR USB TEST

Individual session rooms

Power-point or LCD projector and screen are available between 08:00-17:00 (Monday - Thursday).

CHAIR/CO-CHAIR BRIEFING

The **session chairs and co-chairs** will be briefed at 07:30 each morning near the registration desk in the Grand Promenade and will pick up session jackets for author briefings on the day of presentation.

Chairs and co-chairs will also be emailed brief instructions in advance, including the manner of each session conduct and information on authors and presentation.

Presenting authors should go directly to their session room 30 minutes before the session and check out the USB presentation file.

INFORMATION - MESSAGE CENTER. (BCVB)

The information and message center is located in the registration area. You may contact ISOPE Conference Registration Desk at BEXCO.

INTERNATIONAL PARTICIPANTS AND VISA APPLICATION

International authors, participants or attendees who need help (except financial) can contact: **ISOPE-2014 Secretariat, 495 North Whisman Road, Suite 300, Mountain View, California 94043-5711 USA. Fax: +1-650-254-2038; email: meetings@isope.org.**

Entry Visa. Some authors, spouses and participants may be required to apply for an entry visa.

Visa application form. Get it from the Consulate of Republic of Korea in your country, or download the visa application form from

<http://www.mofat.go.kr/ENG/main/index.jsp> > visa.

If the Consulate requires you to submit an official letter of invitation, please contact **ISOPE, USA (email: meetings@isope.org; Fax: +1-650-254-2038).**

TAX DEDUCTIBILITY

Any product with this “**Tax Free Shopping**” sign will give you a refund on VAT.

You must depart Korea within 3 months of the purchase.



How to get Tax Refund:

1. Purchase your items at any shops with this “Tax Free Shopping” sign and receive a payment slip.
2. When departing, you need to get a stamp issued from the customs officer after showing him the purchased items and payment slip.
3. At the Cash Refund Office in the airport, you can receive the amount of VAT.

You may also be able to get a refund at the airport of your destination.

CLIMATE

The climate in Busan in the month of June will be sunny and pleasantly warm, with the winds to keep you cool and comfortable. Swimming and other water activities will be possible.



PUBLICATION ORDER INFORMATION

To order, download the Publication Order form from www.isopec.org > orders, www.isopec.org > publications, www.isopec2014.org or e-mail to orders@isopec.org asking for the order form, enclose the correct amount of payment or purchase order, and mail to:

ISOPE Order Department
495 North Whisman Road, Suite 300
Mountain View, California 94043-5711 USA
Fax 1-650-254-2038: orders@isopec.org.

AUTHOR INDEX AND SUBJECT INDEX

With the advancement of the Find or Search function in PDF files, one can use Find or Search in the PDF file of the conference programs posted on www.isopec.org. For ISOPE CD-ROM, clicking **Ctrl F** will display **FIND**.

ISOPE Conference and Symposium proceedings are indexed by Engineering Index and EI Compendex and others.

INTERNATIONAL JOURNAL OF OFFSHORE AND POLAR ENGINEERS

- Quarterly (March, June, September, December) (ISSN 1053-5381): *Indexed by SCI-E and Engineering Index and EI Compendex and others.*

Editors: Jin S. Chung, R.M.W. Frederking, I. Langen.

Topics: *ocean and marine engineering, offshore engineering, environment, hydrodynamics, offshore mechanics, Arctic and Antarctic engineering, structures and materials, energy/resources, and emerging topics.*

Yearly subscription rates: US\$160. (Members: complimentary) and US\$100 per set of annual back issues. US\$60 per issue.

Proceedings of the 1st (1990) Pacific/Asia Offshore Mechanics Symposium (PACOMS '90), Seoul, Korea, June 24-28, 1990. For a 3-volume set (ISBN 0-9626104-0-2; LCCN 90-082039): approx. 1260 pp., US\$150 per set.

Proceedings of the 3rd (1994) Pacific/Asia Offshore Mechanics Symposium (PACOMS-94)/Special Offshore Symposium China (SOSC-94), Beijing, China, April 16-18, 1994. A single volume (ISBN 1-880653-15-X): 797 pp., US\$100.

Proceedings of the 4th (1996) ISOPE Pacific/Asia Offshore Mechanics Symposium (PACOMS-96), Pusan, Korea, October 31–November 2, 1996. A single volume (ISBN 978-1-880653-27-2; ISSN 1946-0031): 325 pp., US\$80 (ISOPE Member: \$60).

Proceedings of the 5th (2002) ISOPE Pacific/Asia Offshore Mechanics Symposium (PACOMS-2002), Daejeon, Korea, November 17–20, 2002. A single volume (hard copy and CD-ROM) (ISBN 978-1-880653-59-3; ISSN 1946-0031): 252 pp., US\$120 (ISOPE Member: \$80).

Proceedings of the 6th (2004) ISOPE Pacific/Asia Offshore Mechanics Symposium (PACOMS-2004), Vladivostok, Russia, September 12–16, 2004. A single volume (hard copy and CD-ROM) (ISBN 978-1-880653-63-0; ISSN 1946-004X): 299 pp., US\$100 (ISOPE Member: \$80).

Proceedings of the 7th (2006) Pacific/Asia Offshore Mechanics Symposium (ISOPE PACOMS-2006), Dalian, China, September 17–21, 2006. A single volume (CD-ROM) (ISBN 978-1-880653-67-8; ISSN 1946-004X): 357 pp., US\$100 (ISOPE Member: \$80).

Proceedings of the 8th (2008) Pacific/Asia Offshore Mechanics Symposium (PACOMS-2008), Bangkok, Thailand, November 17–21, 2006. A single volume (CD-ROM) (ISBN 978-1-880653-52-4; ISSN 1946-004X): 334 pp., US\$100 (ISOPE Member: \$80).

Proceedings of the 9th (2010) Pacific/Asia Offshore Mechanics Symposium (PACOMS-2010), Busan, Korea, November 14–17, 2010. A single volume (CD-ROM) (ISBN 1-880653-79-1, ISSN 1946-004X): 362 pp., US\$100 (ISOPE Member: \$80).

Proceedings of the 10th (2012) Pacific/Asia Offshore Mechanics Symposium (PACOMS-2012), Vladivostok, Russia, September 30–October 3, 2012. A single volume (CD-ROM) (ISBN 1-880653-93-7, ISSN 1946-004X): 330 pp. est, US\$100 (ISOPE Member: \$80).

Proceedings of the 1st (1990) European Offshore Mechanics Symposium (EUROMS-90), Trondheim, Norway, August 20–22, 1990. A single volume (ISBN 0-9626104-4-5; LCCN 90-084691): approx. 590 pp., US\$80 (Member: US\$60).

Proceedings of the 2nd (1999) ISOPE European Offshore Mechanics Symposium (EUROMS-99)

(synopsis in Russian and English), Moscow, Russia, June 7-9, 1999. A single volume (ISBN 1-880653-44-3): approx. 126 pp., US\$50 (Member: US\$40).

Proceedings of the 1st (1995) ISOPE Ocean Mining Symposium (OMS-1995), Tsukuba, Japan, November 21-22, 1995. A single volume (ISBN 1-880653-21-4, LCCN 95-77708): 238 pp., US\$100 (Member: US\$80).

Proceedings of the 2nd (1997) ISOPE Ocean Mining Symposium (OMS-1997), Seoul, Korea, November 24-26, 1997. A single volume (ISBN 1-880653-33-8, LCCN 97-74490): 201 pp., US\$100 (Member: US\$80).

Proceedings of the 3rd (1999) ISOPE Ocean Mining Symposium (OMS-1999), Goa, India, November 8-10, 1999. A single volume (ISBN 978-1-880653-45-6; ISSN 1946-0074): 298 pp., US\$100 (Member: US\$80).

Proceedings of the 4th (2001) ISOPE Ocean Mining Symposium (OMS-2001), Szczecin, Poland, September 23-27, 2002. A single volume (ISBN 978-1-880653-56-2; ISSN 1946-0074): 208 pp., US\$100 (Member: US\$80).

Proceedings of the 5th (2003) ISOPE Ocean Mining Symposium (OMS-2003), Tsukuba, Japan, September 15-19, 2003. A single volume (hard copy and CD-ROM) (ISBN 978-1-880653-61-6; ISSN 1946-0074): 256 pp., US\$120 (Member: US\$80).

Proceedings of the 6th (2005) ISOPE Ocean Mining Symposium (OMS-2005), Changsha, Hunan, China, October 9-13, 2005. A single volume (CD-ROM) (ISBN 978-1-880653-65-4; ISSN 1946-0066): 276 pp., US\$100 (Member: US\$80).

Proceedings of the 7th (2007) ISOPE Ocean Mining Symposium (OMS-2007), Lisbon, Portugal, July 1-6, 2007. A single volume (CD-ROM) (ISBN 978-1-880653-69-2; ISSN 1946-0066): 219 pp., US\$100 (Member: US\$80).

Proceedings of the 8th (2009) ISOPE Ocean Mining Symposium (OMS-2009), Chennai, India, September 20-24, 2009. A single volume (CD-ROM) (ISBN 978-1-880653-75-3; ISSN 1946-0066): 308 pp., US\$100 (Member: US\$80).

Proceedings of the 9th (2011) ISOPE Ocean Mining Symposium (OMS-2011), Maui, Hawaii, USA, June 19-24, 2011. A single volume (CD-ROM) (ISBN 978-1-880653-95-1; ISSN 1946-0066): 308 pp., US\$100 (Member: US\$80).

First (2003) ISOPE Symposium on High-Performance Materials in Offshore Industry (HMOI) (ISOPE HPM-2003), Honolulu, Hawaii, USA, May 25-30, 2003: Published in Proceedings of the 13th (2003) International Offshore and Polar Engineering Conference (ISOPE 2003), Honolulu, Hawaii, USA, May 25-30, 2003. For 4-volume set (CD-ROM) (ISBN 978-1-880653-60-9; ISSN 1098-6189): 2,912 pp., \$220 (ISOPE Member: \$180).

Second (2004) ISOPE High-Performance Materials Symposium: Friction Stir Welding (ISOPE HPM-2004), Toulon, France, May 23-28, 2004: Published on CD-ROM (ISBN 978-1-880653-62-3; ISSN 1098-6189): 3,160 pp., \$220 (ISOPE Member: \$180).

Third (2005) ISOPE High-Performance Materials Symposium: Advanced Welding (ISOPE HPM-2005), Seoul, Korea, June 19-24, 2005: Published on CD-ROM (ISBN 978-1-880653-64-7; ISSN 1098-6189): 3,110 pp., \$220 (ISOPE Member: \$180).

Fourth (2006) ISOPE High-Performance Materials Symposium (ISOPE HPM-2006), San Francisco, California, USA, May 28–June 2, 2006: Published on CD-ROM (ISBN 978-1-880653-66-1; ISSN 1098-6189): 2,704 pp., \$220 (ISOPE Member: \$180).

Fifth (2007) ISOPE High-Performance Materials Symposium (ISOPE HPM-2007), Lisbon, Portugal, July 1–6, 2007: Published on CD-ROM (ISBN 978-1-880653-68-5; ISSN 1098-6189): 3,904 pp., \$270 (ISOPE Member: \$230).

Sixth (2008) ISOPE High-Performance Materials Symposium (ISOPE HPM-2008), Vancouver, Canada: Published on CD-ROM (ISBN 978-1-880653-70-8; ISSN 1098-6189): 3,036 pp., \$270 (ISOPE Member: \$230).

Seventh (2009) ISOPE High-Performance Materials Symposium (ISOPE HPM-2009), Osaka, Japan: Published on CD-ROM (ISBN 978-1-880653-53-1; ISSN 1098-6189): 3,690 pp., \$270 (ISOPE Member: \$230).

Eighth (2010) ISOPE High-Performance Materials Symposium (ISOPE HPM-2010), Beijing, China:

Published on CD-ROM (ISBN 978-1-880653-77-7; ISSN 1098-6189): 4,176 pp., \$290 (ISOPE Member: \$240).

Ninth (2011) ISOPE High-Performance Materials Symposium (ISOPE HPM-2011), Maui, Hawaii, USA: Published on CD-ROM (ISBN 978-1-880653-96-8; ISSN 1098-6189): approx. 4,065 pp., \$290 (ISOPE Member: \$240).

First (2007) ISOPE HPM Nanomaterials for Structural Applications Symposium (ISOPE NANOS-2007), Lisbon, Portugal, July 1–6, 2007: Published in Proceedings of the 17th (2007) International Offshore and Polar Engineering Conference (ISOPE-2007), Lisbon, Portugal, July 1–6, 2007. For a 4-volume set (CD-ROM) (ISBN 978-1-880653-68-5; ISSN 1098-6189): 3,904 pp., \$270 (ISOPE Member: \$230).

First (2005) ISOPE Advanced Natural Gas Transport (ANGT) Symposium (ISOPE ANGT-2005), held during the 15th International Offshore and Polar Engineering Conference & Exhibition, ISOPE-2005, Seoul, Korea, June 19-24, 2005: Published in Proceedings of the 15th (2005) International Offshore and Polar Engineering Conference (ISOPE 2005), Seoul, Korea, June 19-24, 2005. For a 4-volume set (CD-ROM) (ISBN 1 880653-64-8; ISSN 1098-6189): 3,110 pp., \$220 (ISOPE Member: \$180).

Reprints of the 1st (1996) International Deep-Ocean Technology Symposium and Workshop, Los Angeles, California, USA, May 22 - June 1, 1996: December 1996 issue, Vol. 6, No. 4, *International Journal of Offshore and Polar Engineering* (ISSN 1053-5381). Reprint volume (\$60) is available from ISOPE.

Proceedings of the 3rd (2009) International Deep-Ocean Technology Symposium, Beijing, China, June 28–July 1, 2009. A single volume (CD-ROM) (ISBN 978-1-880653-73-9): 110 pp. est., US\$100 (Member: US\$80.)

First (2007) ISOPE Strain-Based Design Symposium (ISOPE SBD-2007), Lisbon, Portugal, July 1–6, 2007: Published in Proceedings of the 17th (2007) International Offshore and Polar Engineering Conference (ISOPE-2007), Lisbon, Portugal, July 1–6, 2007. For a 4-volume set (CD-ROM) (ISBN 978-1-880653-68-5; ISSN 1098-6189): 3,904 pp., \$270 (ISOPE Member: \$230).

Second (2008) ISOPE Strain-Based Design Symposium (ISOPE SBD-2008), Vancouver, Canada, July 6–11, 2008:

Published on CD-ROM (ISBN 978-1-880653-70-8; ISSN 1098-6189): 3,904 pp., \$270 (ISOPE Member: \$230).

Third (2009) ISOPE Strain-Based Design Symposium (ISOPE SBD-2009), Osaka, Japan, June 20–25, 2009: Published on CD-ROM (ISBN 978-1-880653-53-1; ISSN 1098-6189): 3,690 pp., \$270 (ISOPE Member: \$230).

Fourth (2010) ISOPE Strain-Based Design Symposium (ISOPE SBD-2010), Beijing, China, June 20–26, 2010: Published on CD-ROM (ISBN 978-1-880653-77-7; ISSN 1098-6189): 4,176 pp., \$290 (ISOPE Member: \$240).

Fifth (2011) ISOPE Strain-Based Design Symposium (ISOPE SBD-2011), Maui, Hawaii, USA, June 19-24, 2011: Published in Proceedings of the 21st (2011) International Offshore and Polar Engineering Conference (ISOPE-2011), Maui, Hawaii, USA, June 19-24, 2011. For a 4-volume set (CD-ROM) (ISBN 978-1-880653-96-8; ISSN 1098-6189): approx. 4,065 pp., \$290 (ISOPE Member: \$240).

First (2009) ISOPE Sloshing Dynamics and Design Symposium (ISOPE SDD-2009), Osaka, Japan, June 20–25, 2009: Published in Proceedings of the 19th (2009) International Offshore and Polar Engineering Conference (ISOPE-2009), Osaka, Japan, June 21-26, 2009. For a 4-volume set (CD-ROM) (ISBN 978-1-880653-53-1; ISSN 1098-6189): 3,690 pp., \$270 (ISOPE Member: \$230).

Second (2010) ISOPE Sloshing Dynamics and Design Symposium (ISOPE SDD-2010), Beijing, China, June 20–26, 2010: Published on CD-ROM (ISBN 978-1-880653-77-7; ISSN 1098-6189): 4,176 pp., \$290 (ISOPE Member: \$240).

Third (2011) ISOPE Sloshing Dynamics and Design Symposium (ISOPE SDD-2011), Maui, Hawaii, USA, June 20–26, 2010: Published on CD-ROM (ISBN 978-1-880653-96-8; ISSN 1098-6189): approx. 4,065 pp., \$290 (ISOPE Member: \$240).

Proceedings of the 1st (1991) International Offshore and Polar Engineering Conference (ISOPE-91), Edinburgh, U.K., August 11-16, 1991. For a 4-volume set (ISBN 0-9626104-5-3; LCCN 91-071635): approx. 2190 pp., \$320 (ISOPE Member:\$240).

Proceedings of the 2nd (1992) International Offshore and Polar Engineering Conference (ISOPE-92), San Francisco, USA, June 14-19, 1992. For a 4-volume set

(ISBN 1-880653-00-1; LCCN 91-78280): 2,899 pp., \$340 (ISOPE Member: \$260).

Proceedings of the 3rd (1993) International Offshore and Polar Engineering Conference (ISOPE-93), Singapore, June 6-11, 1993. For a 4-volume set (ISBN 1-880653-05-2; LCCN 92-76219): 2,965 pp., \$340 (ISOPE Member: \$260).

Proceedings of the 4th (1994) International Offshore and Polar Engineering Conference (ISOPE-94), Osaka, Japan, April 10-15, 1994. For a 4-volume set (ISBN 1-880653-10-9; LCCN 93-80555): 2,589 pp., \$340 (ISOPE Member: \$260).

Proceedings of the 5th (1995) International Offshore and Polar Engineering Conference (ISOPE-95), The Hague, Netherlands, June 11-16, 1995. For a 4-volume set (ISBN 1-880653-16-8; LCCN 94-73796): 2,543 pp., \$340 (ISOPE Member: \$260).

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