

**SUNDAY, OCTOBER 8, 2000**

6:00 ICE BREAKER–Hosted by Lloyds Register of Shipping

**MONDAY, OCTOBER 9, 2000**

8:00 REGISTRATION

8:30 Welcome by China, Mr. Chen Lianzeng, Deputy Administrator, State Oceanic Administration

8:40 Keynote Speech and Opening Remarks, Mr. Jiang Longsheng, Vice President, China National Offshore Oil Corporation (CNOOC)

9:00 Welcome by the United States, Mrs. Maureen Walker, Deputy Director, Office of Ocean Affairs, U.S. Department of State

9:10 Keynote Speech and Opening Remarks, Paul Martin, Chief, Engineering and Research Branch, U.S. Minerals Management Service

9:30 Challenges from a Certification Perspective for Maintaining Offshore Infrastructure, Mr. Frank J. Iarossi, Chairman and CEO, American Bureau of Shipping, Houston, TX

10:00 BREAK

10:30 Risk Assessment and Management of Marine Systems, Past, Present, Future, Prof. Robert G. Bea, Marine Technol. & Mgmt. Group, Univ. Calif., Berkeley

11:00 Reassessment/Requalification of Offshore Steel Jacket Platforms, Prof. Beverley Ronalds, Center for Oil and Gas Engineering, University of Western Australia

11:30 Opportunities/Challenges for Reuse of Existing Facilities, Mr. Win Thornton, Pres., WINMAR Consult. Eng., Houston, TX

12:00 LUNCH – Hosted by the Am. Petroleum Inst.

1:00 Oil and Gas Industry Perspective on Assessing and Maintaining Offshore Infrastructure, Dr. John Campbell, International Association of Oil and Gas Producers, London

1:30 Maintaining Integrity of Floating Production Systems, Dr. Malcolm Sharples, Vice President, ABS Americas, Houston, TX

2:00 Mr. Li Shi'an, Director, Environmental Protection and Safety Office, CNOOC

2:30 BREAK

**SESSION I: Views on Maintaining Integrity of Existing Offshore Facilities**

3:00 Presentations by APEC Economy Representatives

5:30 ADJOURN

6:30 RECEPTION/BUFFET DINNER–Hosted by the American Bureau of Shipping

**TUESDAY, OCTOBER 10, 2000**

**SESSION II: Assessing/Maintaining the Integrity of Existing Offshore Fixed Platforms**

8:00 Reliability Based Design Reassess./Maintenance, Mr. Jan J. W. Van de Graaf, Shell Brunei

8:30 New Technology Relative to Underwater Welding of Offshore Facilities, Dr. Steve Liu, Colorado School of Mines, Golden, CO

9:00 Issues/Challenges in Rehabilitation of Offshore Facilities in Mexico, Mr. Faustino Perez, Head, Off. Inspection and Maintenance, Instituto Mexicano del Petroleo, Mexico City, Mexico

9:30 Assessing/Maintaining the Integrity of Existing Fixed Offshore Platforms in Malaysia, Dr. Goh Tok Kwong, Senior Structural Engineer, Petronas Research and Scientific Services, Kuala Lumpur, Malaysia

10:00 BREAK

**SESSION III: Assessing/Maintaining the Integrity of Existing Offshore Pipelines**

10:30 Repair of Damaged and Corroded Marine Risers, Mr. Harvey Mohr, Hydrotech Systems, Houston, TX

11:00 Design and Retrofit Cathodic Protection for Marine Pipelines, Dr. Bill Hartt, Florida Atlantic Univ., Boca Raton, FL

11:30 Defect Assessment for Existing Marine Pipelines, Mr. Justin Bucknell, MSL Consulting Engineers, Houston, TX

12:00 LUNCH- Hosted by China National Offshore Oil Corporation

**SESSION IV: Assessing/Maintaining the Integrity of Floating Production Systems**

1:00 Comparative Risk Assessment for FPSO's, Dr. Andrew Wolford, EQE International, Houston, TX

1:30 Maintenance/Inspection Requirements for Long Term Integrity of FPSO's, TBD

2:00 Improved Business Performance by the Application of Technical Integrity Management to FPSO's, Mr. Brian Balmer, Lloyds Register

2:30 BREAK

3:00 Concurrent Breakout Sessions:  
Work Group I, Fixed Platforms  
Work Group II, Marine Pipelines  
Work Group III, FPSO's

5:30 ADJOURN

6:30 RECEPTION–Hosted by the United States

**WEDNESDAY, OCTOBER 11, 2000**

**SESSION V: Technology and Case Studies**

8:00 Ice-induced Vibrations of Offshore Structures in Bohai Bay, Dr. Qian-jin Yue, Professor, Department of Engineering Mechanics, Dalian University of Technology, China

8:20 Use of Composites for Repair and Long Term Integrity of Offshore Facilities, Dr. Su Su Wang, Univ. of Houston, Houston, TX

8:40 Case Studies for the Reassessment of Platforms in Thailand, Dr. Robert Gilbert, University of Texas, Austin, TX

9:00 Industry Panel Discussion – Future Directions

10:00 BREAK

**SESSION VI: Recommendations and Closing Remarks**

Chairman: ....., China  
Co-Chairman: Maureen Walker, Deputy Director of the Office of Ocean Affairs- U.S. State Department

10:30 Work Group I Recommendations

10:45 Work Group II Recommendations

11:00 Work Group III Recommendations

11:15 Conclusions: Report to APEC MRC/ENG Working Groups

11:45 Closing Remarks, China/United States/APEC

12:00 ADJOURN

**REGISTRATION FORM**  
(Please print in Capital Letters)

Dr./Mr./Mrs./Ms.  
Family  
Name \_\_\_\_\_ First \_\_\_\_\_

Organization/University/Company \_\_\_\_\_

Position \_\_\_\_\_

Mailing Address \_\_\_\_\_

Economy \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

I am interested in participating in

- Working Group I, Fixed Platforms \_\_\_\_\_
- Working Group II, Marine Pipelines \_\_\_\_\_
- Working Group III, FPSO's \_\_\_\_\_

Please complete and return this form to the Secretariat of the Workshop on Assessing and Maintaining the Integrity of Existing Offshore Oil and Gas Facilities no later than September 22, 2000

Name: Mary Ann Milosavich  
Fax: 703-787-1284  
Phone: 703-787-1231

E-mail: [mary.ann.milosavich@mms.gov](mailto:mary.ann.milosavich@mms.gov)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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**ASIA PACIFIC ECONOMIC  
COOPERATION (APEC)**

**Marine Resources  
Conservation Working Group**



**WORKSHOP ON  
ASSESSING AND MAINTAINING THE  
INTEGRITY OF EXISTING OFFSHORE  
OIL AND GAS FACILITIES**

**Organized by the  
United States of America and the  
People's Republic of China**

**Beijing, China  
October 9-11, 2000**

**APEC WORKSHOP INFORMATION**

**Venue:** SWISSOTEL BEIJING\*\*\*\*\*  
NO. 2 CHAO YANG MEN BEI DA JIE  
100027 BEIJING  
Telephone: +86 – 10 – 65012288  
Fax: +86 – 10 – 65012501

**Date:** October 9-11, 2000

**Organizers:**

State Oceanic Administration  
China

U.S. Department of State  
United States of America

Minerals Management Service  
United States of America

**Sponsors:**

American Bureau of Shipping

American Petroleum Institute

Lloyds Register

Phillips Petroleum Company

**Language:** English

**Registration:** Registration for the workshop is free of charge.

**Confirmation:** Upon receipt of completed registration form, confirmation letter will be sent.

**Cancellation:** In the event registration must be canceled or changes must be made, written notification should be faxed immediately to 703-787-1284.