

**The Ninth (1999) International
Offshore and Polar Engineering Conference**
Brest, France, May 30–June 4, 1999

Visit website, <http://www.ifremer.fr/isope99/> or <http://www.isope.org>.

Papers and Session Added

The final program lists 445 refereed papers and 30 oral presentations. The proceedings of the refereed papers are available in a set of 4 volumes (3,061 pp.) from ISOPE during and after the Conference.

New session, plenary presentation and papers in Final Program are listed according to day of presentations, as follows.

MONDAY 11:00

7. RISERS/MOORING/CABLE MECHANICS I (V. 2)

Monday	May 31	11:00	Groix
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Design of Deepwater Metallic Risers

Finn Kirkemo, Seaflex, Asker; *Kim J. Mørk and Nils Sødahl*, Det Norske Veritas, Høvik; *Bernt Leira*, SINTEF, Trondheim, Norway

8. RELIABILITY, RISK AND SAFETY I (V. 4)

Monday	May 31	11:00	Molène
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ISO Standard Pipeline Transportation Systems: Reliability-Based Limit State Methods

Torbjørn Sotberg, SINTEF Civil and Environmental Engineering, Trondheim, Norway; *Kim J. Mørk*, Det Norske Veritas, Høvik, Norway; *Serghios Barbas*, Exxon Production Research Co., Houston, TX, USA

10. HYDRODYNAMICS : Forces I (V. 3)

Monday	May 31	11:00	Salon Iroise
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Time-Domain Solution of Freely Floating Cylinders in a Viscous Fluid

R.W. Yeung and S.-W. Liao, University of California at Berkeley, Berkeley, CA, USA

MONDAY 13:20

19. HYDRODYNAMICS: Forces II (V. 3)

Monday	May 31	14:00	Salon Iroise
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Analysis of Second Order Steady Hydrodynamic Forces on Floating Bodies in Regular Waves by Finite Element Method

Santhosh Sathyapal, S.K. Bhattacharyya and C.P. Vendhan, Indian Institute of Technology Madras, Chennai, India

TUESDAY 10:45

35. COMPOSITE MATERIALS I (V. 4)
Tuesday June 1 10:45 Molène

The Use of Composites in the Rehabilitation of Concrete Structures
M.A. Unal, J.O. Jirsa, H.G. Wheat and D.W. Fowler, University of Texas at Austin, Austin, TX, USA

36. UNDERWATER VEHICLES IV (V. 2)
Tuesday June 1 10:45 Bréhat

An Integrated Approach for Sonar-Based Obstacle Avoidance for AUVs (Oral Presentation)
M. Cardew, System Technologies, Ulverston, United Kingdom; J. Champeau, Ph. Dhaussy, R. Moitie and N. Seube, Ecole Nationale Supérieures des Ingénieurs des Etudes et Techniques d'Armement, Brest, France

TUESDAY 13:20

42. COMPOSITE MATERIALS II (V. 4)
Tuesday June 1 14:00 Molène

Influence of Moisture and Low Temperature on Notched Izod Impact Toughness in a Pultruded Reinforced Composite
K.G. Kellogg, A.R. Kallmeyer and R.B. Chinnam, North Dakota State University, Fargo, ND; P.K. Dutta, U.S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, USA

Session 96 WORKSHOP Limit State, Reliability and Risk Based Design of Onshore Pipelines (Oral Presentations)
Tuesday June 1 14:00 Groix

Chair: Andrew Francis, BG Technology, U.K.
Co-chair: Charles Ellinas, Advanced Mechanics & Engineering Ltd., U.K.

Welcome and Introduction
Andrew Francis, BG Technology, U.K.

Joint Industry Project (Phase I)
Charles Ellinas, Advanced Mechanics & Engineering Ltd., U.K.

Overview of State of the Art
Tom Zimmerman and Maher Nessim, CFER Technologies Inc., Canada

Application to Pipeline Design
Martin Lamb, Andrew Palmer & Assoc., U.K.

Application to In-Service Pipelines

Richard Espiner, BG Technology, U.K.

Open Discussion

Joint Industry Project (Phase II) and Concluding Remarks

Andrew Francis, BG Technology, UK

WEDNESDAY 10:45

54. POLAR II: Ice Mechanics & Forces (V. 2)
Wednesday June 2 10:45 Batz

Internal Structure of Hummocks

Stepan V. Zemluk, Vladimir N. Astafiev, Genadiy A. Surkov and Anatoliy M. Polomoshnov, Sakhalin Oil & Gas Institute, Okha, Russia

56. UNDERWATER ACOUSTICS & MEASUREMENTS II (V. 4)
Wednesday June 2 10:45 Ouessant

Underwater Object Recognition (Oral Presentation)

Boulingues, D, Ecole Nationale Supérieurs des Ingénieurs des Etudes et Techniques d'Armement, Brest, France

WEDNESDAY 13:20

Plenary Presentation VI (Oral Presentation)
Wednesday June 2 13:20 Amphithéâtre

<p>The Blue Stream Project: A Large Diameter Deepwater Pipeline Project in the Balck Sea <i>Y.A. Goryainov, PeterGaz, Russia, K.A. Kashunin, Gazprom, Russia; David S McKeenan, INTEC Engineering, Houston, TX, USA</i> Introduction by A.M. Gresnigt, TU Delft, The Netherlands</p>

66. PIPELINES III: Modeling & Design I (V. 2)
Wednesday June 2 14:00 Groix

Complex Assessment of Natural Conditions for Offshore Pipeline Route Optimization

Sergey Alekseev and Alexander Dobrotvorsky, State Navigation & Hydrographic Institute (GosNINGI), St. Petersburg, Russia; Alexey Serebryakov, North Transgas Oy, Espoo, Finland; Elena Stavrova, Giprospetsgas, St. Petersburg, Russia

THURSDAY 08:00

75. OCEAN ENERGY & RESOURCES I (V. 1)
Thursday June 3 08:00 Molène

The Main Principles and Parameters of the Project of Marine Dressing Complex for the Industrial Development of the Continental Shelf Deposits

ISOPE-2000 Seattle

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The 10th (2000) International
Offshore and Polar Engineering Conference
Seattle, USA, May 28–June 2, 2000

Call For Papers

Abstract Deadline: August 15, 1999

Send 2 copies of your abstract in 300-400 words to:

- (1) One of the TPC members (session organizers) or
- (2) **ISOPE-2000 TPC, ISOPE, P.O. Box 189, Cupertino, California 95015-0189 USA**
or
ISOPE, P.O. Box 1107, Golden, Colorado 80402-1107 USA:

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