Welcome to ISOPE-2007 Conference

We greatly appreciate the excellent responses and help we have received from colleagues around the world in the successful organization of the 17th International Offshore and Polar Engineering Conference (ISOPE-2007), Lisbon, Portugal, July 1–6, 2007. The Conference features **120 sessions of refereed papers** and **7 plenary sessions** from more than **48 countries**, including the 1st ISOPE HPM symposium — Nanomaterials for Structural Applications, the 1st ISOPE Strain-based Design Symposium, the 7th ISOPE Ocean Mining Symposium.

The purposes of the ISOPE conference are to:

- Promote technological progress and activities, international technological transfer and cooperation, and opportunities for engineers to maintain and improve technical competence; and
- Provide a timely international forum for technical activities, cooperation, opportunity and fellowship among researchers and engineers,

by developing focused session topics with high quality (in both originality and significance) papers accepted through rigorous review, establishing high international standards for publication and worldwide distribution and promoting interdisciplinary interaction between academia and industry.

The International Society of Offshore and Polar Engineers (ISOPE) has already held 36 successful international meetings:

- The 1st (1990) European Offshore Mechanics Symposium (ISOPE **EUROMS**-90) Trondheim, 1990; EUROMS-99 Moscow;
- The 1st (1990) Pacific/Asia Offshore Mechanics Symposium (ISOPE **PACOMS**-90) Seoul; PACOMS-94 Beijing; PACOMS-96 Pusan, PACOMS-2002 Daejeon, PACOMS-2004 Vladivostok, PACOMS-2006 Dalian;
- The **Annual ISOPE** conferences, starting in Edinburgh, 1991 were held in San Francisco, Singapore, Osaka, The Hague, Los Angeles, Honolulu, Montréal, Brest, Seattle, Stavanger, Kitakyushu, Honolulu, Toulon, Seoul and San Francisco. Since 1992, the annual ISOPE Conference has been held with the world's largest technical program of its kind with refereed papers;
- The 1st (1995) ISOPE Ocean Mining Symposium (**OMS**-95), Tsukuba, 1995, ISOPE OMS-97 Seoul, OMS-99 Goa, OMS-2001 Szczecin, OMS-2003 Tsukuba and OMS-2005 Changsha;
- The 1st (1996) International Deep-Ocean Technology (**IDOT**-96) Symposium and Workshop, Los Angeles; and IDOT-2001 Stavanger.
- The ISOPE **HPM** Symposium: Honolulu 2003, Toulon 2004, Seoul 2005 and San Francisco 2006 ;
- The ISOPE **ANGT** Symposium to be held in 2005.

On behalf of the Technical Program Committee, it is our pleasure to welcome participants from all over the world to the ISOPE-2007Conference in Lisbon.

Jin S Chung, USA	A JNA Sarmento Portugal	Cuneyt Capanoglu, USA
Ro-sik Park, Korea	Guy Herrouin, France	Ronald H Knapp, USA

Co-chairmen of the ISOPE-2007 Conference

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SUNDAY JULY 1

09:00 ISOPE Board of Directors Meeting — Safira

12:00
ISOPE-2006 Executive Committee Meeting — Safira
EUROMS and PACOMS Executive Committees

15:00-18:00
CONFERENCE REGISTRATION — Foyer

17:00-18:00
CONFERENCE RECEPTION — TBA

Tour Information — Visit tour desk in ISOPE registration area: www.isope.org

Spouse Program — E-mail-book in advance: Instruction in General Information on www.isope.org

All session rooms are located Level 1.

MONDAY July 2

07:30 **On-Site Registration** starts at 07:30 (Monday only) — Foyer

07:30 Session Chair/Co-chair Briefing — Ametista

09:00
Conference Opening — **Floriana I+II**

09:00
1. **OCEAN & ARCTIC INDUSTRY REVIEW** (V. 1) — Floriana I+II

13:00
PLENARY I (**Seabed Models for Pipelines**, V. 2) — Floriana III
PLENARY II (**Pipeline Application Challenges**, V. 4) — Aquamarin
PLENARY III (**AUV URASHIMA**, V. 2) — Jade I

14:00
2. RISK-BASED DESIGN (V. 2) — Floriana I
3. HYDRO I: Sloshing & Violent Flows (V. 3) — Floriana II
4. GEOTECH I: Cyclic Loading & Liquefa (V. 2) — Floriana III
5. COASTAL I: Wave Modeling 1 (V. 3) — Esmeralda
6. HPM Symp: Nanomaterials I: Appl 1 (V. 4) — Opala I+II
7. HPM I: Adv Steel & Structures (V. 4) — Aquamarin
8. FLOW-INDUCED VIBRATIONS I (V. 3) — Jade II
9. RENEWABLE ENERGY I: Tidal … (V. 1) — Opala III
10. EARTHQUAKE 1 (V. 4) — Ametista
11. UNDERWATER VEHICLES I (V. 2) — Jade 1

16:20
12. HYDRO II: VIRTUE (V. 3) — Floriana I
13. HYDRO III: Field Waves (V. 3) — Floriana II
14. GEOTECH II: In-situ and Field Tests (V. 2) — Floriana III
15. COASTAL II: Wave Modeling 2 (V. 3) — Esmeralda
16. HPM Symp: Nanomaterials II: Appli 2 (V. 4) — Opala I+II
17. HPM II: Fatigue & Fracture 1 (V. 4) — Aquamarin
18. FLOW-INDUCED VIBRATIONS II (V. 3) — Jade II
19. RENEWABLE ENERGY II: Wind 1 (V. 1) — Opala III
20. EARTHQUAKE 2 (V. 4) — Ametista
21. UNDERWATER VEHICLES II (V. 2) — Jade 1

18:30
ISOPE Technical Committee Meetings — Find from the bulletin board

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TUESDAY JULY 3

07:30 Session Chair/Co-chair Briefing — Ametista

08:00

22. HYDRO IV: CFD I (V. 3)	Floriana I
23. HYDRO V: Wave & Simulation (V. 3)	Floriana II
24. GEOTECH III: Soil Improvement (V. 2)	Floriana III
25. COASTAL III: Tide and Current (V. 3)	Esmeralda
26. HPM Symp: Nanomaterials III: Synthesis 1 (V. 4)	Opala I+II
27. HPM III: Fatigue & Fracture 2 (V. 4)	Aquamarin
28. FLOW-INDUCED VIBRATIONS III (V. 3)	Jade II
29. RENEWABLE ENERGY III: Wind 2 (V. 1)	Opala III
30. SHIP STRUCTURES I (V. 4)	Ametista
31. UNDERWATER VEHICLES III: (V. 2)	Jade I

10:30

32. HYDRO VI: CFD 2 (V. 3)	Floriana I
33. HYDRO VII: NWT and Simulation (V. 3)	Floriana II
34. GEOTECH IV: Seepage … (V. 2)	Floriana III
35. COASTAL IV: Wave-Seabed Int… (V. 3)	Esmeralda
36. HPM Symp: Nanomaterials IV: Nanobio… (V. 4)	Opala I+II
37. HPM IV: Tubular Structures (V. 4)	Aquamarin
38. PIPELINES & RISERS I: SCR (V. 2)	Jade II
39. RENEWABLE ENERGY IV: Wave 1 (V. 1)	Opala III
40. SHIP STRUCTURES II (V. 4)	Ametista
41. AQUABIOMECHANICS (V. 2)	Jade I

12:10 **Student Forum** — TBA

13:00

PLENARY IV (Jin S Chung Award Lecture, IJOPE**)** — Opala I+II

14:00

42. HYDRO VIII: CFD 3 (V. 3)	Floriana I
43. HYDRO IX: Wave-Body Interactions I (V. 3)	Floriana II
44. GEOTECH V: Anchor & Offshore (V. 2)	Floriana III
45. LNG (V. 1)	Esmeralda
46. HPM Symp: Nanomaterials V: Properties (V. 4)	Opala I+II
47. SBD I: Materials I (V. 4)	Aquamarin
48. PIPELINES & RISERS II: Pipelines 1 (V. 2)	Jade II
49. RENEWABLE ENERGY V: Wave 2 (V. 1)	Opala III
50. ADVANCED SHIPS (V. 4)	Ametista
51. OMS-2007 OCEAN MINING I (V. 1)	Jade I

16:20

52. HYDRO X: Model Test & Measurements (V. 3)	Floriana I
53. HYDRO XI: Wave-Body Interactions II (V. 3)	Floriana II
54. GEOTECH VI: Piles & Caissons 1 (V. 2)	Floriana III
55. HYDRO XII: MetOcean 1: ESEOO I (V.3)	Esmeralda
56. HPM Symp: Nanomaterials VI: Synthesis 2 (V. 4)	Opala I+II
57. SBD II: Materials II (V. 4)	Aquamarin
58. OMS-2007 OCEAN MINING II: DOW (V. 1)	Jade II
59. RENEWABLE ENERGY VI: Wave 3 (V. 1)	Opala III
60. ARCTIC & ICE I: Barents Sea & … (V. 1)	Jade I

15:30 Awards Committee Meeting — Safira
16:30 Board of Editors Meeting — Safira

SPOUSE PROGRAM: Reserve a seat by email to meetings@isope.org

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WEDNESDAY JULY 4

07:30 Session Chair/Co-chair Briefing — Ametista

08:00

61. SUBSEA (V. 1)	Floriana I
62. HYDRO XIII: Coupled Systems (V. 3)	Floriana II
63. GEOTECH VII: Piles & Caissons 2 (V. 2)	Floriana III
64. HYDRO XIV: MetOcean 2: ESEOO II (V.3)	San Miguel
65. HPM Symp: Nanomaterials VII: Nanocoating… (V. 4)	Opala I+II
66. SBD III: Testing and Evaluation (V. 4)	Aquamarin
67. PIPELINES & RISERS III: Riser Mech 1 (V. 2)	Jade II
68. OMS-2007 OCEAN MINING III: Hydrates 1 (V. 1)	Opala III
69. RENEWABLE ENERGY VII: Wave 4 (V. 1)	Ametista
70. ARCTIC & ICE II: Arctic & Antarctic Shipping (V. 1)	Jade I

10:30

71. FPSO/VLFS/TLP/Offshore I (V. 1)	Floriana I
72. HYDRO XV: METOCEAN 3; Tsunami(V. 3)	Floriana II
73. GEOTECH VIII: Foundation & Stability (V. 2)	Floriana III
74. COASTAL V: Beach Profile (V. 3)	Esmeralda
75. HPM Symp: Nanomaterials VIII: Nanocompos (V. 4)	Opala I+II
76. SBD IV: Design and Project (V. 4)	Aquamarin
77. PIPELINES & RISERS IV: Riser Mech 2 (V. 2)	Jade II
78. OMS-2007 OCEAN MINING IV: Hydrates 2 (V. 1)	Opala III
79. IMPACT & COLLISION (V. 4)	Ametista
80. ARCTIC & ICE III: Ice Environment (V. 1)	Jade I

12:00 ISOPE Board of Directors Meeting — Safira

13:00

PLENARY V (Dredging & Environ in Europe , V. 1)	Florina III
PLENARY VI (Fatigue Damage: New Dev, V. 3)	Opala I+II
PLENARY VII (Offshore Wind Energy: Europe, V. 3)	Opala III

14:00

81. FPSO/VLFS/TLP/Offshore II (V. 1)	Floriana I
82. HYDRO XVI: METOCEAN 4; Typhoon (V. 3)	Floriana II
83. GEOTECH IX: Modeling & Simulation (V. 2)	Floriana III
84. COASTAL VI: Floating Breakwater (V. 3)	Esmeralda
85. HPM Symp: Nanomaterials IX: … Modeling (V. 4)	Opala I+II
86. SBD V: Mechanics (V. 4)	Aquamarin
87. PIPELINES & RISERS V: Pipelines 2 (V. 2)	Jade II
88. OMS-2007 OCEAN MINING V: Hydrates 3 (V. 1)	Opala III
89. HPM V: Composites & Smart Struct (V. 4)	Ametista
90. ARCTIC & ICE IV: Ice & Arctic Sys (V. 1)	Jade I

Find Updates in Program on http://www.isope.org

Sunday - Thursday

Author Practice	Individual session rooms
On-site Registration	Foyer
Conference Headquarters	Turquesa
Proceedings Pickup/Sales	Registration Desk, Foyer

18:00 *Museum*

Annual Conference Banquet

Cultural Program, Best Paper, Scholarships and Awards

Bus Departs at 18:00: Don't forget the banquet ticket.

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THURSDAY JULY 5

07:30 Session Chair/Co-chair Briefing — Ametista

08:00

91. FPSO/VLFS/TLP/Offshore III (V. 1)	Floriana I
92. HYDRO XVII: METOCEAN 5 (V. 3)	Floriana II
93. GEOTECH X: Soil 1(V. 2)	Floriana III
94. COASTAL VII: Submerged Breakwater (V. 3)	Esmeralda
95. HPM VI: Advance in Welding Tech 1 (V. 4)	Aquamarin
96. SBD VI: Assessment Procedures I (V. 4)	Aquamarin
97. PIPELINES & RISERS VI: Pipelines 3 (V. 2)	Jade II
98. OMS-2007 OCEAN MINING VI (V. 1)	Opala III
99. RELIABILITY & SAFETY I (V. 4)	Ametista
100. ENVIRONMENT I: Oil Spill & Diffusion (V. 1)	Jade I

10:30

101. FPSO/VLFS/TLP/Offshore IV (V. 1)	Floriana I
102. HYDRO XVIII: METOCEAN 6 (V. 3)	Floriana II
103. GEOTECH XI: Soil 2 (V. 2)	Floriana III
104. COASTAL VIII: Wave–Structure (V. 3)	Esmeralda
105. HPM VII: Advance in Welding Tech 2 (V. 4)	Aquamarin
106. SBD VII: Assessments Procedures II (V. 4)	Aquamarin
107. PIPELINES & RISERS VII: Pipelines 4 (V. 2)	Jade II
108. OMS-2007 OCEAN MINING VII (V. 1)	Opala III
109. RELIABILITY & SAFETY II (V. 4)	Ametista
110. ENVIRONMENT II: Coastal & Bay (V. 1)	Jade I

13:00

OMWG Meeting — Safira

14:00

111. FPSO/VLFS/TLP/Offshore V (V. 1)	Floriana I
112. HYDRO XIX: METOCEAN 7 (V. 3)	Floriana II
113. GEOTECH XII: Embankment (V. 2)	Floriana III
114. COASTAL IX: Breakwaters (V.3)	Esmeralda
115. HPM VIII: NDE & Residual Stress (V. 4)	Aquamarin
116. SBD VIII: Compressive Strain Limit & … (V. 4)	Aquamarin
117. PIPELINES & RISERS VIII: Pipelines 5 (V. 2)	Jade II
118. OMS-2007 OCEAN MINING VIII (V. 1)	Opala III
119. RELIABILITY & SAFETY III (V. 4)	Ametista
120. ENVIRONMENT III: Environ & Numerical… (V. 1)	Jade I

FRIDAY July 6

Tours: Lisbon and Portugal
Make advance reservation:
www.semlimite.pt
www.atl-turismolisboa.pt

Find further details on www.isope.org .

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ISOPE-2007 Lisbon Conference

This 17th annual conference features **120** technical and opening sessions and **7** plenary sessions with top experts from industry, academia and government. About **550** papers after peer review will be presented and discussed by researchers, engineers and managers from more than **48** countries.
The conference proceedings of peer-reviewed papers in PDF files will be available in a set of 4 volumes on CD-ROM (3,600 pp. est.) — paginated within each volume — during the conference and later for worldwide post-conference mail order from ISOPE.

SESSION LIST BY TOPICS

OFFSHORE & ARCTIC INDUSTRY REVIEW

1. OFFSHORE & ARCTIC INDUSTRY REVIEW (V. 1) Floriana

OFFSHORE MECHANICS AND TECHNOLOGY

2. RISK-BASED DESIGN (V. 2) Floriana I
45. LNG (V. 1) Esmeralda
61. SUBSEA (V. 1) Floriana I
71. FPSO/VLFS/TLP/Offshore I (V. 1) Floriana I
81. FPSO/VLFS/TLP/Offshore II (V. 1) Floriana I
91. FPSO/VLFS/TLP/Offshore III (V. 1) Floriana I
101. FPSO/VLFS/TLP/Offshore IV (V. 1) Floriana I
111. FPSO/VLFS/TLP/Offshore V (V. 1) Floriana I

OCEAN AND OFFSHORE WIND ENERGY

9. RENEWABLE ENERGY I: Tidal … (V. 1) Opala III
19. RENEWABLE ENERGY II: Wind 1 (V. 1) Opala III
29. RENEWABLE ENERGY III: Wind 2 (V. 1) Opala III
39. RENEWABLE ENERGY IV: Wave 1 (V. 1) Opala III
49. RENEWABLE ENERGY V: Wave 2 (V. 1) Opala III
59. RENEWABLE ENERGY VI: Wave 3 (V. 1) Opala III
69. RENEWABLE ENERGY VII: Wave 4 (V. 1) Ametista

OCEAN AND POLAR ENVIRONMENT

100. ENVIRONMENT I: Oil Spill & Diffusion (V. 1) Jade I
110. ENVIRONMENT II: Coastal & Bay Envir (V. 1) Jade I
120. ENVIRONMENT III: Environ & Numerical… (V. 1) Jade I

7th OCEAN MINING (& GAS HYDRATES) SYMPOSIUM

51. OMS-2007 OCEAN MINING I (V. 1) Jade I
58. OMS-2007 OCEAN MINING II: DOW (V. 1) Jade II
68. OMS-2007 OCEAN MINING III: Hydra 1 (V. 1) Opala III
78. OMS-2007 OCEAN MINING IV: Hydra 2 (V. 1) Opala III
88. OMS-2007 OCEAN MINING V: Hydra 3 (V. 1) Opala III
98. OMS-2007 OCEAN MINING VI (V. 1) Opala III
108. OMS-2007 OCEAN MINING VII (V. 1) Opala III
118. OMS-2007 OCEAN MINING VIII (V. 1) Opala III

GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING

4. GEOTECH I: Cyclic Loading & Liquefa (V. 2) Floriana III
14. GEOTECH II: In-situ and Field Tests (V. 2) Floriana III
24. GEOTECH III: Soil Improvement (V. 2) Floriana III
34. GEOTECH IV: Seepage … (V. 2) Floriana III
44. GEOTECH V: Anchor & Offshore (V. 2) Floriana III
54. GEOTECH VI: Piles & Caissons 1 (V. 2) Floriana III
63. GEOTECH VII: Piles & Caissons 2 (V. 2) Floriana III
73. GEOTECH VIII: Foundation & Stability (V. 2) Floriana III
83. GEOTECH IX: Modeling & Simulation (V. 2) Floriana III
93. GEOTECH X: Soil 1(V. 2) Floriana III
103. GEOTECH XI: Soil 2 (V. 2) Floriana III

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113. GEOTECH XII: Embankment (V. 2)	Floriana III

OFFSHORE AND ARCTIC PIPELINES, RISERS AND MOORING

38. PIPELINES & RISERS I: SCR (V. 2)	Jade II
48. PIPELINES & RISERS II: Pipelines 1 (V. 2)	Jade II
67. PIPELINES & RISERS III: Riser Mech 1 (V. 2)	Jade II
77. PIPELINES & RISERS IV: Riser Mech 2 (V. 2)	Jade II
87. PIPELINES & RISERS V: Pipelines 2 (V. 2)	Jade II
97. PIPELINES & RISERS VI: Pipelines 3 (V. 2)	Jade II
107. PIPELINES & RISERS VII: Pipelines 4 (V. 2)	Jade II
117. PIPELINES & RISERS VIII: Pipelines 5 (V. 2)	Jade II

DEEP OCEAN ROV, AUV AND COMMUNICATION

11. UNDERWATER VEHICLES I (V. 2)	Jade 1
21. UNDERWATER VEHICLES II (V. 2)	Jade 1
31. UNDERWATER VEHICLES III: (V. 2)	Jade I

ICE SCIENCE AND ENGINEERING

60. ARCTIC & ICE I: Barents Sea & … (V. 1)	Jade I
70. ARCTIC & ICE II: Arctic & Antarctic Shipping (V. 1)	Jade I
80. ARCTIC & ICE III: Ice Environment (V. 1)	Jade I
90. ARCTIC & ICE IV: Ice & Arctic Sys (V. 1)	Jade I

HYDRODYNAMICS

3. HYDRO I: Sloshing & Violent Flows (V. 3)	Floriana II
12. HYDRO II: VIRTUE (V. 3)	Floriana I
13. HYDRO III: Field Waves (V. 3)	Floriana II
22. HYDRO IV: CFD I (V. 3)	Floriana I
23. HYDRO V: Wave & Simulation (V. 3)	Floriana II
32. HYDRO VI: CFD 2 (V. 3)	Floriana I
33. HYDRO VII: NWT and Simulation (V. 3)	Floriana II
42. HYDRO VIII: CFD 3 (V. 3)	Floriana I
43. HYDRO IX: Wave-Body Interactions I (V. 3)	Floriana II
52. HYDRO X: Model Test & Measurements (V. 3)	Floriana I
53. HYDRO XI: Wave-Body Interactions II (V. 3)	Floriana II
62. HYDRO XIII: Coupled Systems (V. 3)	Floriana II

METOCEAN

55. HYDRO XII: MetOcean 1: ESEOO I (V.3)	Esmeralda
64. HYDRO XIV: MetOcean 2: ESEOO II (V.3)	San Miguel
72. HYDRO XV: METOCEAN 3; Tsunami(V. 3)	Floriana II
82. HYDRO XVI: METOCEAN 4; Typhoon (V. 3)	Floriana II
92. HYDRO XVII: METOCEAN 5 (V. 3)	Floriana II
102. HYDRO XVIII: METOCEAN 6 (V. 3)	Floriana II
112. HYDRO XIX: METOCEAN 7 (V. 3)	Floriana II

COASTAL ENGINEERING

5. COASTAL I: Wave Modeling 1 (V. 3)	Esmeralda
15. COASTAL II: Wave Modeling 2 (V. 3)	Esmeralda
25. COASTAL III: Tide and Current (V. 3)	Esmeralda
35. COASTAL IV: Wave-Seabed Int… (V. 3)	Esmeralda
74. COASTAL V: Beach Profile (V. 3)	Esmeralda
84. COASTAL VI: Floating Breakwater (V. 3)	Esmeralda
94. COASTAL VII: Submerged Breakwater (V. 3)	Esmeralda
104. COASTAL VIII: Wave–Structure (V. 3)	Esmeralda
114. COASTAL IX: Breakwaters (V.3)	Esmeralda

FLOW-INDUCED VIBRATIONS

8. FLOW-INDUCED VIBRATIONS I (V. 3)	Jade II
18. FLOW-INDUCED VIBRATIONS II (V. 3)	Jade II
28. FLOW-INDUCED VIBRATIONS III (V. 3)	Jade II

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The 5th ISOPE HIGH-PERFORMANCE MATERIALS SYMPOSIUM —HPM:

NANOMATERIALS FOR STRUCTURAL APPLICATIONS

6. HPM Symp: Nanomaterials I: Appl 1 (V. 4)	Opala I+II
16. HPM Symp: Nanomaterials II: Appli 2 (V. 4)	Opala I+II
26. HPM Symp: Nanomaterials III: Synthesis 1 (V. 4)	Opala I+II
36. HPM Symp: Nanomaterials IV: Nanobio… (V. 4)	Opala I+II
46. HPM Symp: Nanomaterials V: Properties (V. 4)	Opala I+II
56. HPM Symp: Nanomaterials VI: Synthesis 2 (V. 4)	Opala I+II
65. HPM Symp: Nanomaterials VII: Nanocoat… (V. 4)	Opala I+II
75. HPM Symp: Nanomaterials VIII: Nanocomposite (V. 4)	Opala I+II
85. HPM Symp: Nanomaterials IX: … Modeling (V. 4)	Opala I+II

The 1ST ISOPE STRAIN-BASED DESIGN SYMPOSIUM

47. SBD I: Materials I (V. 4)	Aquamarin
57. SBD II: Materials II (V. 4)	Aquamarin
66. SBD III: Testing and Evaluation (V. 4)	Aquamarin
76. SBD IV: Design and Project (V. 4)	Aquamarin
86. SBD V: Mechanics (V. 4)	Aquamarin
96. SBD VI: Assessment Procedures I (V. 4)	Aquamarin
106. SBD VII: Assessments Procedures II (V. 4)	Aquamarin
116. SBD VIII: Compressive Strain Limit & … (V. 4)	Aquamarin

HIGH-PERFORMANCE MATERIALS — HPM

7. HPM I: Adv Steel & Structures (V. 4)	Aquamarin
17. HPM II: Fatigue & Fracture 1 (V. 4)	Aquamarin
27. HPM III: Fatigue & Fracture 2 (V. 4)	Aquamarin
37. HPM IV: Tubular Structures (V. 4)	Aquamarin
95. HPM VI: Advance in Welding Tech 1 (V. 4)	Aquamarin
105. HPM VII: Advance in Welding Tech 2 (V. 4)	Aquamarin
115. HPM VIII: NDE & Residual Stress (V. 4)	Aquamarin

COMPOSITES & SMART STRUCTURES

89. HPM V: Composites & Smart Struct (V. 4)	Ametista

RELIABILITY & SAFETY AND ADVANCED SHIP TECH

30. SHIP STRUCTURES I (V. 4)	Ametista
40. SHIP STRUCTURES II (V. 4)	Ametista
50. ADVANCED SHIPS (V. 4)	Ametista
99. RELIABILITY & SAFETY I (V. 4)	Ametista
109. RELIABILITY & SAFETY II (V. 4)	Ametista
119. RELIABILITY & SAFETY III (V. 4)	Ametista

EARTHQUAKE AND ENGINEERING

10. EARTHQUAKE 1 (V. 4)	Ametista
20. EARTHQUAKE 2 (V. 4)	Ametista

AQUABIOMECHANICS & CONTROL

41. AQUABIOMECHANICS (V. 2)	Jade I

IMPACT AND COLLISION

79. IMPACT & COLLISION (V. 4)	Ametista

Conference Reception

17:00-18:00 Sunday July 1 **TBA**

Conference Opening Address

09:00 Monday July 2 **Floriana**

Annual Conference Banquet

18:00 Wednesday July 4 **Bus departure at 18:00**

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MONDAY

Plenary Presentation I (V.2)
Monday July 2 13:00 Floriana III
Seabed Characterisation and Models for Pipeline and Riser Interaction
Randolph, M F, White, D J, Univ of Western Australia, Australia
Introduction by Jin S Chung, ISOPE, USA

Plenary Presentation II (V.4)
Monday July 2 13:00 Aquamarin
Meeting the Latest Pipeline Application Challenges
Wright, E J, ExxonMobil Development Company, USA
Introduction by R. Ayer, ExxonMobil Research & Engineering Co., USA

Plenary Presentation III (V.2)
Monday July 2 13:00 Jade I
Advanced Technologies for Cruising AUV "URASHIMA"
Aoki, T, Tuscola, S, Hyakudome, T, Ishibashi, S, Yoshida, H, Sawa, T, Ishikawa, A, Tahara, J, Yamamoto, I, Ohkusu, M, JAMSTEC, Japan
Introduction by W Koterayama, Kyushu University, Japan

TUESDAY

Student Forum (All Student Participants Are Invited)
Tuesday July 3 12:00 **TBA**
E-mail **by June 1** your intention of attending this meeting to meetings@isope.org.
Advisors: Harovel G. Wheat, USA; Sung Tai Kee, Korea; and Stefan Herion, Germany

Plenary Presentation V (IJOPE)
Tuesday July 3 13:00 Opala I+II
2007 Jin S Chung Award Lecture:
New Computational Mechanics for Ships and Offshore Engineering — From Construction Stage to Structural Collapse Stage
Yukio Ueda, Osaka University, Osaka, Japan
Introduction by R H Knapp, Univ. of Hawaii, USA

WEDNESDAY

Plenary Presentation VI (V.1)
Wednesday July 4 13:00 Florina III
Dredging Technology and the Environment in Europe
van Impe, W F, Ghent Univ, Belgium
Introduction by T Matsui, Fukui University of Technology, Japan

Plenary Presentation VII (V.4)
Wednesday July 4 13:00 Opala I+II
New Developments in Predicting Fatigue Damage of Structural Materials
Vasudevan, A K, Office of Naval Research, USA
Introduction by T Tsakalakos, Rutgers Univ., USA

Plenary Presentation VIII (V.4)
Wednesday July 4 13:00 Opala III
Offshore Wind Energy in Europe – Actual Situation and Future Developments
Faber, T, Germanischer Lloyd Industrial Services, Germany
Introduction by S. Herion, Karlsruhe University, Germany

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