



The 17th Offshore Symposium

Pushing Boundaries in the Global Industry

Houston, Texas – February 2, 2012
sponsored by

The Texas Section of the Society of Naval Architects and Marine Engineers



Registration and Continental Breakfast

7:30am – 9:15am

Engineering Ethics Breakfast – Lamberto “Bobby” Ballí, P.E., *TBPE Board Member, HNTB Corporation*

8:00am – 9:00am

Opening Session 9:15am – 10:30 am

AURORA BOREALIS, POLAR RESEARCH & DRILLING VESSEL: RESISTANCE, PROPULSION & STATION KEEPING IN SOLID DRIFT ICE

D. Deter, *Nautex*; W. Doelling, *Waertsilae Ship Design*

DESIGN OF A SEMI-SUBMERSIBLE FLOATING PRODUCTION SYSTEM

D. Brotzman, B. Ford, M. Freyman, A. Medellin, A. Valle, C. Vittone, *Texas A & M University*

Session Co-Chairs: Thalia Kruger, *ABS*; Koos Hoefakker, *Marin*

Coffee Break

10:30am – 10:45am

Session A 10:45am – 12:05pm

THE USE OF DRAG EMBEDMENT ANCHORS IN ARCTIC CONDITIONS

R. Ruinen, *Vryhof Anchors BV*

DP VESSEL PASSIVE QUICK RELEASE CONTINGENCY MOORING SYSTEMS

J. Pasternak, D. Alonso, R. Garrity, J. Shelton, *Delmar Systems*

PREDICTIVE MODEL FOR DRAG EMBEDMENT ANCHOR PERFORMANCE IN CLAY SEABED

R. Beemer, C. Aubeny, R. Randall, A. Drake, *Texas A & M University*

Session Co-Chairs: Rod Allan, *Transocean*
Arun Antony, *Houston Offshore Engineering*

Session B 10:45am – 12:05pm
Shanghai SNAME Presentations



(Presentations Only)

SHANGHAI SNAME AT 60 YEARS OLD
S-SNAME President

LNG AND DRILLSHIP DESIGN & CONSTRUCTION
Hudong Shipyard

NEW OCEAN TEST BASIN
Jiao Tong University

CONSTRUCTION OF FPSOs AND SEMISUBMERSIBLES
Waigaoqiao Shipyard

Session Co-Chairs: Peter Noble, *ConocoPhillips*
Amy Hickey, *Transocean*

Lunch Speaker: Momen Wishahy, Transocean, HURRICANE EVASION IN THE GULF OF MEXICO (DP DRILLING) 12:15pm – 1:45pm

Session C 2:00pm – 3:20pm

DRY TREE PAIRED-COLUMN SEMISUBMERSIBLE PLATFORM FOR ULTRA-DEEPWATER OFFSHORE BRAZIL

J. Zou, *Houston Offshore Engineering*

OFFLOADING AVAILABILITY ANALYSIS FOR SIDE-BY-SIDE FLNG AND LNGC

A. Mahfouz, *GVA- North America*

COUPLED DYNAMIC ANALYSIS OF A FLOATING OFFSHORE WIND TURBINE

C. Peng, J. Zhang, *Texas A & M University*

EXPERIMENTAL AND NUMERICAL STUDIES OF OSCILLATING FLOW AROUND A CYLINDER

X. Yu, S. Kinnas, L. Han, *University of Texas*

Session Co-Chairs: Barbara Stone, *AMOG Consulting*
Andres Chapa, *Alan C. McClure Associates*

Session D 2:00pm – 3:20pm

A STUDY OF FLOATOVER INSTALLATION ONTO JACKET WITH TWO BARGES

X. Xu, J. Yang, X. Li, L. Xiao, *Shanghai Jiao Tong University*

HYDRODYNAMIC OPTIMIZATION OF MARINE CURRENT TURBINES

S. Kinnas, D. Menéndez Arán, *University of Texas*

DRIFT OFF AND DRIVE OFF ASSESSMENT OF A DYNAMICALLY POSITIONED DRILLSHIP

S. Wang, *ABS*

Session Co-Chairs: Lars Ronning, *Statoil*
Hisham Moideen, *Houston Offshore Engineering*

Coffee Break

3:20pm – 3:35pm

Closing Session 3:35pm – 4:45pm

THE ROLE OF SNAME OC 7 IN THE DEVELOPMENT OF THE ISO FOR SITE ASSESSMENT OF JACK-UPS

J. Stiff, *ABS Consulting*; M. Hoyle, *GL Noble Denton*; D. Lewis, *Lewis Engineering Group*

A PACIFIC PARTNERSHIP - PAST, PRESENT AND FUTURE COOPERATION BETWEEN SNAME AND SHANGHAI SNAME

P. Noble, *ConocoPhillips*

Session Co-Chairs: Donald Burriss, *Alan C. McClure Associates*, Jolly James, *INTECSEA*

Social Program, Reception with Hors d'oeuvre and Cash Bar

4:45pm – 6:00pm