
*Advisory Committee
for the
Ocean Energy Safety Institute*

26 January 2016

OESI

OCEAN ENERGY
SAFETY INSTITUTE

<http://oesi.tamu.edu>

...enabling safe and environmentally responsible offshore energy operations

Facility Safety Information

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Welcome

Mr. Dwight Johnston
Chairman

Dr. M. Sam Mannan
OESI, Principal Investigator

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Safety Moment

Raghu Narayan
Aramco Services

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- There is no 'time-out' when it comes to Safety
- What we think we 'know' (by assumptions) can cause 'bad things' to happen.
- What we don't know but move forward pushed by 'schedule' and 'cost' considerations can cause bad things to happen.

- Thus Our Focus needs to be:
 - Do the **right thing** in the **right way** at the **right time, ALL the time** – especially during these ‘challenging’ times.
 - We need to continue to practice ‘rigor’ in all our work at all levels.
 - Critical to maintain effective communications up, down and across the organization.

*Welcome/
Review of Action Items/
Approval of Minutes*

Jim Pettigrew

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Dol Intent...

"The *funding for this initiative* was provided to establish an institute that would operate **independently** of the Department of the Interior while also supporting and enhancing Departmental programs through **collaborative research and development** and training to help identify operational improvements in the areas of offshore drilling and production safety and spill prevention.

This is an effort to establish an institute that can **work with academia, the oil and gas industry, regulators and non-governmental organizations** on the extremely important issues of increasing **worker safety and environmental protection** during the exploration, development and production of the nation's valuable offshore oil and natural gas resources."

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Advisory Committee



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Action Items

- Work with Subsea Systems Institute to inform the AC on their mission/role, and their anticipated interaction with OESI.
 - **Bill Maddock, Director of SSI, on today's Agenda**
- Develop a Research Planning Group and further define a Research Process.
 - **Research Planning Group formed and telcons conducted in late 2015. Effort continues in 2016. Discussion on today's Agenda**

Action Items (cont)

- Develop a Forum Planning Group to develop topics: as well as plan and execute events.
 - **Forum Planning Group formed and telcons conducted in late 2015. Effort continues in 2016. Forum topics will be presented and discussed today.**
- Send out a Doodle poll to find alternate dates in January 2016 and April 2016 for AC meetings.
 - **Poll conducted; meetings moved to 26 January (deconflict from API Winter Standards meeting), and 26 April (deconflict from NOIA Annual Meeting)**

Approval of Minutes

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*BSEE Engineering Technology
Assessment Center (ETAC)
Introduction*

Jarvis Outlaw
BSEE

Subsea Systems Institute (SSI) Introduction

Bill Maddock
SSI, UH

SPE/BSEE Summit Introduction

Roland Moreau
SPE

BSEE Technology Challenge

Paul Robinson
OESI

Ocean Energy Technology Portal (OETP)

Paul Robinson
OESI

OESI Forum Topics 2016 and beyond

Jim Pettigrew
OESI

Forum Planning Group

- FPG composed of members from across stakeholder spectrum
 - COS, Noble, TAMU, RFF, BSEE, Shell, Bristow, DNV GL, DeepStar, API
- Telcons conducted in November and December 2016
- Multiple topics discussed

Topics Discussed

- Managing Drilling Margins and Well Control Risk, Is Regulation Impacting Risk and Innovation
- How to keep Offshore Process Safety efforts 'up', during an Energy Industry 'down'turn. Keeping a Barrier Focus in Tough Economic Times
- Cyber considerations and preparations in the Offshore E&P process
- Arctic E&P operations after Chukchi
- Climate Change and the Offshore Oil and Gas Industry
- Ensuring Safe Marine Operations including loading, unloading, and position reliability.
- How can we eliminate risks (hazards), or mitigate them better, so as to eliminate catastrophic effects (hazard prevention vs. hazard effects)
- Identifying, mitigating and managing Alarm overload for watchstanders on the Bridge, Drill Floor and Engine Control Room.
- Innovative Data management in support of safe offshore operations

Forum Topics Proposed

- Keeping a Barrier Focus in Tough Economic Times; Stakeholder Efforts including Risk-Based Inspections
 - March/April 2016
- Identifying, mitigating and managing Alarm overload for watch standers on the Bridge, Drill Floor and Control Room.
 - June/July 2016
- Managing Drilling Margins and Well Control Risk, ensuring Risk and Innovation are not impacted.
 - October/November 2016

OESI Current Research Update

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OESI Current Research

- OESI Research teams have formed and begin collaborative research efforts
 - Well/Zonal Isolation (UT/UH)
 - New Materials (UH/TAMU)
 - Human Factors (TAMU/UT)
- Updates forwarded to AC by 29 January
- Webex for each area by 12 February

Future Research Process Group

Jim Pettigrew
OESI

OESI
Present/Publish

Forums

OESI AC
Members

Un-solicited

Research
Topics

OESI AC
Evaluate

Research Sub-
Ctte (RSC)
Prioritize

Develop
Research
Funding

Present to AC

Further work

DRAFT

Conduct
Research

RFP/JIP/other

Determine
topics to \$s

OESI oversight &
periodic report to
RSC

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Research Planning Group

- RPG composed of members from across stakeholder spectrum
 - DNV GL, Oceaneering, RPSEA, DeepStar, Shell, BP, Schlumberger, TAMU
- Telcon conducted in November
- Reviewed proposed DRAFT process
 - RPSEA offered up their process to leverage.
- More work to do, next meeting early February

Presentation of other OESI-related Research

Jim Pettigrew
OESI

*Future OESI Advisory Committee Dates
and Summary*

Dwight Johnston
Chairman

Future OESI AC Meeting Dates

- Tuesday, 26 April 2016
 - Hosted by Center for Offshore Safety
- Tuesday, 19 July 2016
 - TBD
- Tuesday, 18 October 2016
 - TBD
- Wednesday, 18 January 2017
 - TBD

Would you be interested in hosting a future AC meeting?

*Thanks and Be Safe Out
There...*

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