Advisory Committee for the Ocean Energy Safety Institute

26 April 2016
Facility Safety Information
Welcome

Mr. Dwight Johnston
Chairman
Safety Moment

Roland Moreau
Review of Action Items/ Approval of Minutes

Jim Pettigrew
OESI
Action Items

• Continue to invite ETAC to AC meetings, and provide updates as warranted.
  – Jarvis Outlaw is on the standing invite list, and Bob Middleton will provide an ETAC update today.

• Bring SSI back periodically to update the AC on efforts and progress.
  – Bill Maddock is on the standing invite list.
Action Items (cont)

• Provide a presentation on the outcomes of the BSEE/SPE Data Summit.
  – Roland Moreau is on today’s agenda.

• Schedule Webex updates of current research areas by 12 February.
  – Webex updates of current research areas were conducted in February.

• Re-schedule student research presentation.
  – Student research presentation on today’s agenda.
Approval of Minutes
Discussion topics

High School Tech Challenge Review
OESI Forums Update
OESI Current Research Update
OESI Project Review
OESI Budget Review
High School Tech Challenge Review

Paul Robinson
OESI
OESI Forums Update

Jim Pettigrew
OESI
• Keeping a Focus on Barriers for Safer Offshore Operations
  – 18 May 2016

• Sharing Best Practices in mitigating and managing Alarm overload for Safer Offshore Operations.
  – August 2016

• Managing Drilling Margins and Well Control Risk for Safer Offshore Operations.
  – 29 November 2016
OESI Current Research Update

Jim Pettigrew
OESI
OESI Current Research

- OESI Research teams have formed and are conducting collaborative research efforts
  - Well/Zonal Isolation (UT/UH)
  - New Materials (UH/TAMU)
  - Human Factors (TAMU/UT)
- Webex updates conducted in February.
- AC members directly collaborating with research teams.
- White papers in development, will be provided to AC for your input.
OESI Project Review

Jim Pettigrew
OESI
Other OESI Efforts

• 2017 BSEE High School Technology Challenge
• CSB Macondo Report
  – Recommendation to OESI: Recommends further study to advance industry’s understanding of the gas-in-riser hazard.
    • Conduct further study on riser gas unloading scenarios, testing, and modeling and publish a white paper containing technical guidance that communicates findings and makes recommendations for industry safety improvements.
• OTC 2016
  – UH Energy booth
  – Coordinating Tech Challenge winner presentation
• BSEE Projects
  – Real-time Monitoring education (UT-Austin)
• Gulf Research Proposals
OESI Budget Review

Jim Pettigrew

OESI
Total FY16 Budget ($1,089K)

OESI FY 16

- Salary/Fringe: 457.6
- Research: 240
- Support: 154.5
- Indirect: 236.9

http://oesi.tamu.edu
BSEE Engineering Technology Assessment Center (ETAC) Update

Doug Morris
BSEE
SPE/BSEE Summit Review

Roland Moreau
SPE
Presentation of OESI-related Student Research
Future OESI Advisory Committee Dates and Summary

Dwight Johnston
Chairman
Future OESI AC Meeting Dates

• Tuesday, 19 July 2016
  – Aramco
• Tuesday, 18 October 2016
  – Oceaneering
• Tuesday, 24 January 2017
  – TBD
• Tuesday, 25 April 2017
  – TBD

Would you be interested in hosting a future AC meeting?

Peter Moles has some thoughts…
Thanks and Be Safe Out There…
Topics Discussed

- Managing Drilling Margins and Well Control Risk, Is Regulation Impacting Risk and Innovation
- 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
"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."
...enabling safe and environmentally responsible offshore energy operations

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