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*Advisory Committee  
for the  
Ocean Energy Safety Institute*

26 April 2016

**OESI**

OCEAN ENERGY  
SAFETY INSTITUTE

<http://oesi.tamu.edu>

*...enabling safe and environmentally responsible offshore energy operations*

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# *Facility Safety Information*

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*Welcome*

Mr. Dwight Johnston  
Chairman

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# *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*

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# *Discussion topics*

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

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# *High School Tech Challenge Review*

Paul Robinson  
OESI

# *OESI Forums Update*

Jim Pettigrew  
OESI

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# *Forum Topics Approved*

- 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



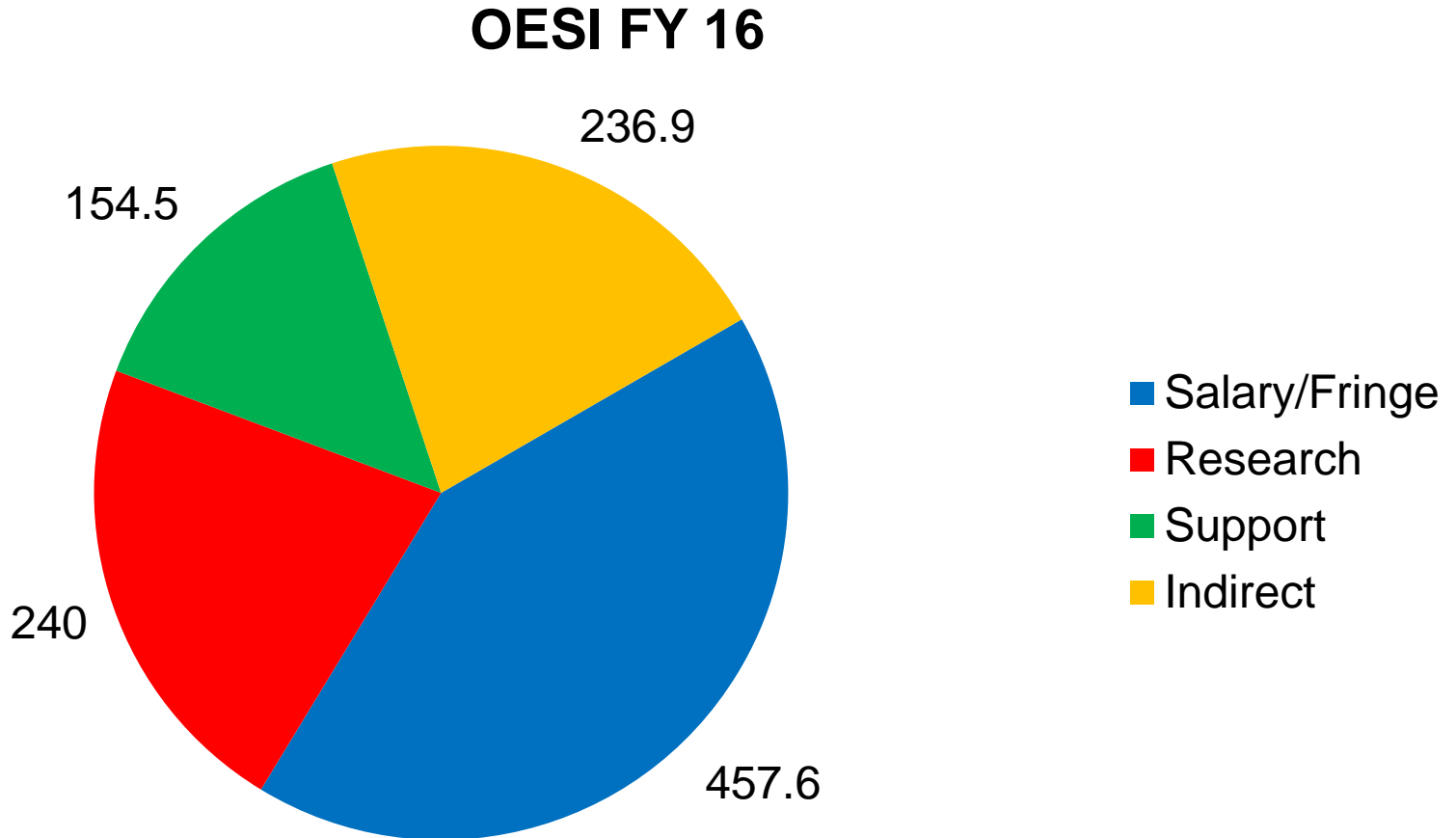
# Other OESI Efforts

- 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)



# *BSEE Engineering Technology Assessment Center (ETAC) Update*

Doug Morris  
BSEE

# *SPE/BSEE Summit Review*

Roland Moreau

SPE

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# *Presentation of OESI-related Student Research*

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*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

Peter Moles has some thoughts...

Would you be interested in hosting a future AC meeting?

*Thanks and Be Safe Out  
There...*

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# 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

# 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."



# Advisory Committee



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