

WORKSHOP:  
Ocean observing infrastructure and sensing:  
Technical lessons learned  
and best practices  
– Introduction –

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## Workshop - 1

- In many of the current and new ocean observatories there have been failures that impact both the engineering infrastructure as well as the science sensors and their performance.
- In one specific example, the deep ALOHA Cabled Observatory (ACO) has had problems with instruments failing, some after months of working well. Similar issues are occurring with other deployed observing systems. This motivated the workshop.

# Workshop - 2

- Failures are not much talked about – let's do so here, and learn therefrom.
- Present at least one of your failures and discuss it.
- Focus on the technical aspects of observatory infrastructure (both backbone and sensor network infrastructure), both cabled and autonomous mooring systems.
- Topics categorized into three subject areas (these may change as talks are given):
  - connector/cable infrastructure issues;
  - standard operating procedures and control systems issues, and
  - fouling/aggression issues
- Other

# Outcomes

1. Web news for MBARI web site, with group photo
  2. An Eos meeting report (500 words, 1 or 2 images),
  3. A meeting report on the web, with presentations and supporting material (could = #4)
  4. An IEEE-Journal of Oceanic Engineering Technical Communication article.
- A subgroup will meet the last day for drafting these.

# Process

- Introductory talks
- Specific topics
- Discussion
- Working Groups - 3
- Writing

# Links

- Google drive:
- <https://drive.google.com/drive/folders/0BzWwjzGbaDG-djZubkItSHd4b0k>
- Web page
- [http://www.soest.hawaii.edu/Workshop\\_OceanTech\\_Lessons\\_Learned/](http://www.soest.hawaii.edu/Workshop_OceanTech_Lessons_Learned/)