

Alliance for Coastal Technologies Draft AUV Workshop Agenda

APRIL 28-30, 2004

➤ *Wednesday, 28 April 2004*

- 18:00 Registration/Reception/Dinner: Inn by the Sea, Cape Elizabeth, Maine
Pick up Workshop Package
Cash bar provided
- 18:45 Welcome: Mario Tamburri: ACT, ACT Overview
- 19:00 Dinner
Keynote speaker following dinner: Mary Jane Perry,
Subject: Summary of ALPS (Autonomous and Lagrangian Platforms and
Sensors) Project in relation to AUV Technologies

➤ *Thursday, 29 April 2004*

- 8:00 Continental Breakfast
- 8:30 Plenary Session I
- 8:30 – 8:45 Welcome, introductions and meeting organization (Philip Bogden)
- 8:45 – 9:00 State of sensor technologies used on AUVs (Ron Zaneveld)
- 9:00 – 9:10 Overview of resource management applications (Jan Newton)
- 9:10 – 9:15 Workshop overview and problem identification (Facilitator)
- 9:15 – 10:30 Breakout sessions for individual sectors: Answer a series of questions and provide any additional ideas for forum discussion.

Each group will elect a chairperson to represent their sector.

Facilitators will keep notes and keep meeting on topic/time.

See Breakout Session I, Topics for Discussion

Group 1	Resource Managers
Group 2	Industry Sector
Group 3	Research Sector

10:30 – 10:45 COFFEE BREAK

10:50 – 11:50 Plenary Report Session Given by Each Group Facilitator

10:50 – 11:10 Resource Managers

11:10 – 11:30 Research Sector

11:30 – 11:50 Industry Sector

11:50 – 12:00 Wrap-up morning session before lunch

12:00 – 13:00 Luncheon at _____

Draft Agenda, ACT AUV Workshop (continued)

- 13:15 – 13:30 Plenary Session II – Sector regrouping and problem solving
Each group will now reorganize to include equal parts of each sector represented. Summaries of morning session discussion topics will be handed out.
- 13:30 – 15:00 Breakout Sessions
How to overcome the barriers and problems identified in morning session.
(See Breakout Session II Group participants and summary of morning session for discussion topics)
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|---------|-------------|
| Group 1 | Facilitator |
| Group 2 | Facilitator |
| Group 3 | Facilitator |
- 15:00 – 15:15 Coffee Break
- 15:15 – 16:30 Breakout Session II Summary Reports Given by each Facilitator
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|---------------|---------------------------------|
| 15:15 – 15:30 | Group 1 |
| 15:30 – 15:45 | Group 2 |
| 15:45 – 16:00 | Group 3 |
| 16:00 - 16:30 | Group Discussion on main topics |
- 16:30 – 17:00 Facilitators from each group will prepare a one page summary of points and give to Carol Janzen. Closing comments before dinner
- 17:00 Break before dinner
- 18:00 Reception with cash bar
- 18:30 Dinner
Keynote speaker: James Bellingham
State of the AUV platform technologies, applications, and promise for nearshore applications in research and resource management

Draft Agenda, ACT AUV Workshop (continued)

➤ *Friday, 30 April 2004*

Check out before 9:00 _____
Storage for luggage available

9:00 Continental Breakfast _____

9:30 Plenary Session III: Formulating recommendations on how to move forward

This session will be made up of a facilitator with panel of the working group chairs (from each Sector) leading a group discussion based on committee reports from Thursday April 29, 2004. Topics to be discussed include applications to the broader field, how ACT can help administer assistance with linking the technology to applications, is there a near future use for AUVs in resource management, etc.

12:00 – 13:00 Lunch
 Closing Statements (Phil Bogden/Mario Tamburri)
 Hand out expense reimbursement forms where applicable
 Follow-up, assessments, final business

List of Facilitators to be assigned to each work group:

Philip Bodgen
 Josie Quintrell
 Carol Janzen
 Tom Shyka

Floater: Mario Tamburri

On site assistance: Jodi Clark and Carol Janzen

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Breakout Session I, Topics for Discussion

(The facilitator from each group will need to provide a summary report after this session)

(This is just to provide some guidance to kickstart the session discussions. Topics not restricted to this list)

From Resource Managers

Room (Facilitator)

- i) What are your activities?
- ii) What are some of the problems implementing activities?
- iii) What are the limitations of your existing programs versus activity needs?
- iv) Where might AUVs come into your operation and what is needed?

From Industry:

- i) Who are your clients?
- ii) What are they using AUV technologies for?
- iii) What are current barriers to getting this technology used in nearshore environments?
- iv) What other applications might these instruments have? New clients?
- v) What will be required to develop this technology for nearshore environmental applications?

Research: Similar topics as for Industry and Resource Management

General topics

- i) Discuss how AUVs are currently being used (applications)
- ii) What are resource management issues that can be dealt with using this technology? (Research issues?)
- iii) What are the cost issues for different AUVs on market, or in development, including cost of use (i.e., number of personnel required to operate, shipboard operations, shorebased needs, infrastructure)?
- iv) What is the skill level required to operate systems, and at what level should they be at to make them attractive to the general nearshore research community?
- v) List advantages/disadvantages to using AUVs in nearshore applications.
- vi) Identify the barriers to getting AUV technologies accepted and used in nearshore studies/projects (i.e. cost to purchase or utilize, skill level to operate, availability, payload to support sensors).
- vii) How can we overcome these barriers?

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Breakout Session II, Topics for Discussion (will be completed after morning wrap up)

(The facilitator from each group will need to provide a summary report after this session)

Summaries from morning sessions:
Resource Managers

Industry Sector

Research Sector

Example topics for discussion:

1. What are the new opportunities?
2. Marketing needs.
3. Research and development needs.