

Tentative Agenda
Research Vessel Technical Enhancement Committee Meeting
November 18-20, 2009 (Wednesday-Friday)
(Focus Groups will meet on Tuesday, November, 17th)
University of Washington
Center for Urban Horticulture, UW Botanic Gardens
Northwest Horticultural Society (NHS) Hall
3501 NE 41st Street
Seattle, Washington

PLEASE NOTE: Please revisit this site for updates and additional information regarding the agenda.

Tuesday November 17th --- Pre-meeting Working Groups meetings - 123 Marine Science Building

8:15-11:15 am **HiSeasNet Focus Group (Accelerators)** - Steve Foley

12:45-4:30 pm **SWATH Bathymetry Focus Group:**

12:45 pm-2:30 pm RVTEC focus group discussion on multibeam system upgrades and installations – issues and comments

2:30 pm-4:30 pm Focus group discussion period with Kongsberg Underwater Technology representatives.

5:15 pm **Pre-meeting check-in – Watertown Inn Lobby** – Annette DeSilva

6:00 pm End pre-meeting check-in

6:30 pm **Facility Visit: SeaBird Electronics, Inc**

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Wednesday November 18th – Center for Urban Horticulture, NHS Hall

8:00 am **Meeting Check-in and Informal Discussion**

8:30 am **Meeting Called to Order**

- Introductory Remarks by Rich Findley, RVTEC Chair
- Welcome by UW

8:45 am **RVTEC Participant Introduction**

9:00 am **Accept 2008 RVTEC Minutes** – The draft minutes are available at [<200810rvtmi.pdf>](#)

9:05 am **RVTEC Vice-Chair Election** – Candidates Announcement

9:10 am **Agency Reports** - Issues specifically targeted to the RVTEC group (areas of interest for the Tech Managers can be presented during the round table)

- NSF – Jim Holik
- ONR – Tim Schnoor
- USCG – Dave Forcucci

- NOAA

9:40 am

RVTEC Subcommittee Reports

- Post Cruise Assessment Committee
- Safety Committee – Rich Findley
- RVTEC Education Subcommittee – Aubri Steele
 - How-To Manuals
 - Training and Certificates

10:10 am

RVTEC nominations for PCAR Subcommittee (Dave Fisicella has expressed interest)

10:15 am

Break

10:30 am

Communications:

- Summary of Satellite Meeting – Rich Findley (15 minutes)
- Fleet Broadband – Dave Fisicella and Laura Stolp (15 minutes)
- HiSeasNet recap of Focus Group – Steve Foley (15 minutes)
- General discussion of these two systems (20 minutes)
- Iridium Open Port – Dave Hassilev (15 minutes)
- SWAP – topics to be covered in Friday's Focus Group – Toby Martin (15 minutes)

12:10 pm

Jamestown Marine Service (JMS) Ship Inspection Program – Ted Colburn (JMS)

12:20 pm

Lunch

1:20 pm Data Collection Systems and Initiatives

- UHDAS and ADCP update – Julia Hummon
- OSU Data Collection (15 minutes)
- LDEO Data System (15 minutes)
- ISS-2000 Integrated Survey System – ISS-2000 is a software package for surveying that integrates inputs from the sonar systems, dynamic positioning system, and data acquisition systems, all with a graphic user interface (GUI). – John Keirnan (SAIC) (15 minutes)
- Rolling Deck to Repository (R2R) Initiative – R2R Group (45 minutes)

3:00 pm - Break

- R2R Cruise Data Directory Structure (led by Bob Arko, Please Note: This topic will be presented to all in attendance as a supplement to Breakout #1 and #2)
With several new UNOLS vessels in the planning stage, R2R is developing a "fleet-standard" directory structure as guidance for configuring acquisition systems and producing end-of-cruise distributions. Discussion will focus on how to best organize data and documentation; identify original vs. reduced data; and differentiate routine underway data from science party files and visiting instruments.
- R2R Technical Breakout #1 - Real-time MET and TSG Data Exchange (led by Shawn Smith)
An open discussion between UNOLS operators and the SAMOS data center to design an underway meteorology and thermosalinograph data exchange to support real-time data quality evaluation. Discussion will focus on transmission formats, parameters to exchange, timeliness of ship-to-shore transmissions, and feedback to operators.

- R2R Technical Breakout #2 -- Event Logger System (led by Alex Dorsk and Cyndy Chandler)
An event logging application is being developed as part of the R2R program. An early prototype version will be introduced, followed by hands-on use of the application for those with laptops and discussion of design features, functionality and next steps for deployment on UNOLS vessels.

There will be a mid-afternoon break

5:00 pm *Adjourn Day 1*

- 5:30 pm **Facility Visit: Markey Machinery Company:**
- Reception at 5:30 pm with Heavy Hors D'oeuvres
 - Facility tour to follow at 6:30 pm

Thursday, November 19th – Center for Urban Horticulture, NHS Hall

- 8:00 am **Coffee and Informal Discussion**
- 8:30 am **Call to Order & Announcements**
- 8:40 am **Network Security** – Dave Dittrich (UW)
- 9:40 am **R2R Plenary:** Recap of Wednesday afternoon breakout discussions – Bob Arko
- 10:10 am **Break**
- 10:30 am **Winch and Wire Discussion**
- RVSS Compliance – Rich Findley
 - Winch Monitoring Equipment Relevant to RVSS Appendix A – Tom Rezanka, Measurement Technology NW
 - New Power Optic Cable (.681”) Design (The design will be distributed at the meeting)
 - UNOLS Wire Workshop
- 12:00 pm **Lunch**
- 1:00 pm **MATE Report** – Tami Lunsford
- 1:15 pm **Marine Technician Retention and Recruitment Initiative** – Jim Holik
- 1:45 pm **Year in Review** – Each marine technician group is asked to provide a very brief presentation (not more than 3 minutes and 1 slide per ship) that covers the following three topics. Please consider having a junior member of your group make the presentations. Our goals are for the session to serve as an icebreaker while at same time share important information. If you have a slide it must be sent to the UNOLS Office no later than November 10th.
- Annual Operations Recap (Geographic area, Number of days, research disciplines supported, etc.)

- Highlight(s) of the year
- Most challenging issue or biggest technical hurdle

Order of Presentations:

- *Walton Smith*
- UW Ships – Jim Postal
 - *Clifford A. Barnes*
 - *Thomas G. Thompson*
- *Atlantic Explorer*
- WHOI Ships:
 - *Atlantis* – Chris Griner
 - *Knorr* – Robbie Laird
 - *Oceanus* – Laura Stolp
- *Blue Heron* – Jason Agnich
- *Cape Hatteras* – Tina Thomas and Steve Jalickee
- *Endeavor*
- *Hugh R. Sharp*
- *Kilo Moana* – Tim McGovern
- *Langseth*
- SIO Ships – Meghan Donohue
 - *Melville*
 - *New Horizon*
 - *Robert Gordon Sproul*
 - *Roger Revelle*
- *Pelican* – Max Wike
- *Point Sur* – Ben Jokinen
- *Savannah*
- *Seward Johnson*
- *Wecoma* – Dave O’Gorman
- *NOAA vessels*
- *USCG vessels*:
 - *Polar Sea*
 - *Healy* – MST3 Chaidez / MST3 Purse

3:45 pm **University of Washington Ship and Facilities Tours**

Dinner – University of Washington Club

~ A Remembrance Celebration for Bill Martin and Mike Realander is planned during the Dinner event ~

Friday, November 20th –Center for Urban Horticulture, NHS Hall

8:00 am **Coffee and General Discussion**

8:30 am **Call to Order and Announcements**

8:40 am **UNOLS Reports** (these should be very brief and only as they relate to RVTEC)

- FIC – Marc Willis
- RVOC and Safety Committee – Rich Findley

- AICC – Steve Hartz
- All Others (Council, DESSC, SCOAR, MLSOC) – Brief reports if desired
- RVTEC Charter Review <http://www.unols.org/info/ucharter.html#annexV>:
- Ship Updates
 - Regional Class Update – NSF
 - Alaska Region Research Vessel (ARRV) – Steve Hartz and Marc Willis
 - Ocean Class Research Vessel Status – Navy

9:55 am **INMARTECH 2010** - 19 - 23 January 2011, NIWA, Wellington, New Zealand

10:00 am **Determine Host Institution for 2010 RVTEC Meeting**

10:05 am **RVTEC Vice-Chair Nominations**

- Introduce the nominees

10:10 am *Break*

10:30 am **Show & Tell Presentations**

- SIO Portable Seismic System
- SIO Support for Shipboard Use of Radioisotopes (Gary Lain)
- Embedded Hardware Monitor (Dale Chayes)
- Wikis in Action (Alex Dorsk)
- WHOI-developed ethernet telemetry system for UNOLS CTD cables (Marshall Swartz)

12:30 pm **Vice-Chair Election Results**

12:35 pm **Closing Remarks** – Rich Findley

12:45 pm *Adjourn Day 3*

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Focus Group Session:

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1:30-4:30 pm **SWAP Focus Group** – Toby Martin

1:30 pm **RVTEC Manager Roundtable Discussion:**

- Agency Reports to Managers – Budgets, Proposal Guidelines, etc
- Group Purchases
- RVTEC and Tech Manager Email Lists
- Shared Support for Specialty Systems – Determine if there are systems that would benefit by pooling resources for maintaining, calibrating, processing, etc.
- RVTEC website plans
- Vendor participation at RVTEC meetings
- Defined Levels of Technical Services

Vendors, Vendor Tours, and Other Activities: Note to Marine Technology Vendors in the Seattle Area - If you wish to be listed below, please contact the UNOLS Office with your address, Point of Contact, and

any other information.

These vendors/activities are in the local Seattle area:

- WESMAR Factory (Woodinville, WA – Contact David Pollon dpollon@wesmar.comdemonstration for a demonstration of their scanning sonar system at their factory)
- Metrix Communication
- Kongsberg Underwater Technology
- Markey
- SeaBird
- Rapp Hydema: A vessel tour aboard the *Starbound* is offered at 4:00 pm on Friday, November 20th to study deck machinery. Please contact Scott Atkinson (scott@rappus.com) or phone (425-210-2716) for details and to participate.
- Guido Perla & Associates, Inc (Seattle, WA - Contact Chris Chuhuran or Alex Loudon)
- Pacific Marine Expo – Nov 19-21, Qwest Field Exhibit Center
 - The following vendors will have booths at the Expo:
 - WESMAR (Booth 935)
 - Measurement Technology
 - Rapp Hydema (Booth 1335)