



Revised: November 10, 2011

*Tentative Agenda*  
**Research Vessel Technical Enhancement Committee (RVTEC) Meeting**  
**November 14-17, 2011 (Monday-Thursday)**  
~ Training Workshops are offered on Friday, November 18<sup>th</sup> ~

**Astor Crown Plaza Hotel, New Orleans, LA**  
**hosted by the Louisiana Universities Marine Consortium (LUMCON)**

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**Sunday: November 13, 2011**

5:30 – 7:00 pm **Pre-meeting check-in** – Astor Crown Plaza Hotel Lobby – Annette DeSilva

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**Monday, November 14<sup>th</sup> – Toulouse Room**

8:30 am **Meeting Check-in and Informal Discussion**

9:00 am **Meeting Called to Order**

- Introductory Remarks by David Fisichella, RVTEC Chair
- Welcome by LUMCON – Joe Malbrough
- “Documenting Hypoxia (Low Oxygen, ‘Dead Zones’) in the Northern Gulf of Mexico” – Dr. Nancy Rabalais
- [Accept Minutes of the 2010 RVTEC Meeting](#)

9:30 am **RVTEC Participant Introduction**

9:45 am **Icebreaker Session** – Tell us about this year’s technical/operational crisis or most challenging situation and how you resolved it. A representative from each of the following vessels is requested to make a presentation. Presentations should be limited to one slide per ship and 5 minutes. Please consider having a junior member of your group make the presentations. If you have a slide it must be sent to the UNOLS Office no later than November 9<sup>th</sup>.

**Order of Presentations:**

- *Walton Smith*
- UW Ships:
  - *Clifford A. Barnes* – Justin Smith
  - *Thomas G. Thompson* – Justin Smith
- *Atlantic Explorer*
- WHOI Ships:
  - *Atlantis*
  - *Knorr*
  - *Oceanus*
- *Blue Heron*
- *Cape Hatteras* – Beth Govoni

10:30 am **Break**

10:45 am **Resume Icebreaker Session**

- *Endeavor* – Lynne Butler
- *Hugh R. Sharp* – Wynn Tucker
- *Kilo Moana* –
- *Langseth* –
- SIO Ships
  - *Melville* – Brett Hembrough
  - *New Horizon* – Brett Hembrough
  - *Robert Gordon Sproul* – Brett Hembrough
  - *Roger Revelle* – Brett Hembrough
- *Pelican*
- *Point Sur* – Annette DeSilva
- *Savannah*
- *Wecoma* – Daryl Swensen
- *NOAA vessels*
- *USCG vessels - Healy*
- Antarctic Vessels:
  - *N.B. Palmer* – Ross Hein
  - *L.B. Gould* – Andy Nunn

12:05 pm **Lunch Break**

1:15 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
  - Polar Research Vessel (PRV) Project and R/V *Point Sur* – Tim McGovern
- ONR – Tim Schnoor
- USCG – Jon Berkson
- NOAA

1:45 pm **UNOLS Technical Support Manager Report** – Alice Doyle

- Marine Technician Retention and Recruitment Pilot Program – Update on Activities

2:15 pm **Data Collection Systems and Initiatives**

- Rolling Deck to Repository (R2R) Initiative Update – Bob Arko (20 minutes)
- UHDAS and ADCP update – Julia Hummon (15 minutes)

2:50 pm **Break**

3:05 pm **JMS Inspection Report** – Ted Colburn

3:35 pm **BGM-3 Gravimeters in the UNOLS Fleet**

3:45 pm **UNOLS Vessel Position Map** – Bob Arko and Dale Chayes

4:05 pm **Improved Termination Design for Sea Spy Magnetometer** – Woody Sutherland

4:30 pm **Polar Research Vessel – Science Mission Requirements Refresh Project** – Dale Chayes

4:45 pm **MATE Update and Long Term Internship Program** – Tami Lunsford

5:15 pm **Adjourn Day 1**

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**Tuesday, November 15<sup>th</sup> - Toulouse Room**

8:30 am **Coffee and Informal Discussion**

9:00 am **Call to Order & Announcements**

9:10 am **Multibeam System Discussion:**

- Optimizing Multibeam data quality across the fleet – An update on a strategy to establish technical resources and new communication mechanisms to develop and share common information, tools, and expertise for operating and monitoring MB sonars across the fleet. - Vicki Ferrini, Jonathan Beaudoin, Paul Johnson (20 min)
- Update on the State of Multibeam Systems – Dale Chayes (20 min)
- Open discussion (10 min)

10:00 am **Poster Session (Bourbon Room)**

11:00 am **Pre-Cruise Planning Initiative** – A report on the new pilot program to develop a web-based application for pre-cruise planning will be provided – Adam Shepherd

11:15 am **Appendix A – Implementation: Comments, questions, and general discussion** – Dave Fisichella as moderator

12:00 pm **Lunch Break**

1:00 pm **LCI-90i Discussion and User Feedback** – Joe Malbrough

2:00 pm **Poster Session (Bourbon Room)**

3:00 pm **Technical Exchange Sessions (Toulouse Room) and (Bourbon Room)** – Two separate, concurrent Tech-Exchange sessions are planned. Please come to a session prepared to discuss the topic and share feedback about how these areas are addressed at your institution.

- ❖ **Technical Exchange 1 – Network Infrastructure, topology, routing, shipboard WiFi, IT** – This technical exchange is intended as a nuts and bolts discussion about the design of the network. Moderator – Jon Meyer
  - Network Infrastructure, topology, routing
  - Shipboard WiFi
  - *Sikuliaq* IT Overview - John Haverlack (UAF/SFOS IT)
- ❖ **Technical Exchange 2 - Science Data Acquisition Systems** – This technical exchanges session will provide an opportunity to share ideas on what a DAS should look like and general concepts. Moderator – Daryl Swensen

4:30 pm **Summary of Tuesday's Technical Exchange Sessions** – Each Session Moderator will provide a brief summary of key issues and highlights from their session.

5:00 pm **Adjourn Day 2**

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RVTEC Dinner, November 15<sup>th</sup> - Dickie Brennan's Bourbon House **6:00 pm to 7:00 pm Cocktail Reception (Cash Bar)**  
**7:00 pm Dinner**

**Reservations for the dinner were required at the time of registration.**

### Wednesday, November 16<sup>th</sup> – Toulouse Room

8:30 am **Coffee and Informal Discussion**

9:00 am **Call to Order & Announcements**

9:10 am **Technical Exchange Sessions (Toulouse Room)** – Two separate, concurrent Tech-Exchange sessions are planned. A divider will split the Toulouse Room.

❖ **Technical Exchange 1 – R2R Eventlogger – Demo of Version 2** – Andy Maffei and Laura Stolp

❖ **Technical Exchange 2 - Underway Seawater Systems – Sensors, System Set-up, etc** – Moderator – Steve Hartz

10:00 am **Poster Session**

11:00 am **Revisit Icebreaker Session** – There will be a general discussion on the topics that were identified during Monday’s Icebreaker session. Any alternative solutions to the problems that were reported can be recommended.

12:00 pm **Lunch Break**

1:00 pm **Communications Panel Discussion** – A panel discussion with HiSeasNet and Fleet Broadband operators is planned. Topics for discussion will include, but not be limited to, those below. There will be opportunities for questions and answers. Panel Members include: Jon Berger, Steve Foley, Mike Gagne, and Al Suchy

- HiSeasNet highlights from past year
- Fleet Broadband use and update
- USAP Vessel Use of Fleet Broadband – Scott Walker
- Optimizing Bandwidth (General Introduction)
- Etc.

2:00 pm **Satellite Communications, Optimizing Bandwidth (Toulouse Room)** – Review and discussion. Please bring your ideas and suggestions about policy. (Steve Foley, Mike Gagne and Al Suchy) [Note – Bandwidth discussion is a two hour session]

2:00 pm **Poster Session (Rear of Toulouse Room)** – This is concurrent with Satellite Communications Discussion.

4:00 pm **R/V Pelican Ship Tour**

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**Thursday, November 17<sup>th</sup> – Toulouse Room**

- 8:30 am **Coffee and General Discussion**
- 9:00 am **Call to Order and Announcements**
- 9:10 pm **Summary of Wednesday’s Technical Exchange Sessions** – Each Session Moderator will provide a brief summary of key issues and highlights from their session.
- 9:40 am **UNOLS Van Pool – Inventory and Plans** – Wynn Tucker and Daryl Swensen
- 10:00 am **RVTEC Subcommittee Reports**
- Post Cruise Assessment Committee – Daryl Swensen
  - RVTEC Education Subcommittee – Aubri Steele
- 10:15 am **8th INMARTECH: NIOZ, Tentatively September or October 2012** – Daryl Swensen
- 10:30 am **Break**
- 10:45 am **2012 RVTEC Meeting Host Institution**
- 11:00 am **UNOLS Reports** (these should be very brief and only as they relate to RVTEC)
- FIC – Annette DeSilva
  - RVOC and Safety Committee – Rich Findley and Joe Malbrough
  - AICC and SCOAR – Steve Hartz
  - UNOLS Report – David Fisichella
  - Ship Design/Construction Updates
    - R/V *Sikuliaq* – Steve Hartz
    - Ocean Class Research Vessel Status – Tim Schnoor
    - Regional Class Update – Jim Holik
- 11:45 am **Meeting Format Discussion** – David Fisichella will lead a general discussion on this year’s meeting format. There will be an opportunity to provide feedback and suggest new items.
- 12:00 pm **Closing Remarks** – David Fisichella
- 12:10 pm **Adjourn RVTEC Meeting**
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- 1:00 pm **Training Session** - CTD Troubleshooting and Calibration (This training session will run until ~ 5:00 pm) - Marshall Swartz (WHOI) and David Murphy (SeaBird Director of Science)
- 1:30 pm **RVTEC Manager Roundtable Discussion:**
- Agency Reports to Managers – Budgets, Proposal Guidelines, etc
  - Group Purchases
  - Long Term Planning
  - Local Shared-Use Equipment List
  - Other?
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**Friday, November 18<sup>th</sup> - Toulouse Room**

**08:30 am** Two Training Sessions will be held concurrently. A description of each session can be found on the following pages. Both of these sessions will offer hands-on activities.

- **Short Course on Automated Underway Meteorological Observation** – Facilitators: Chris Fairall (NOAA), Dan Wolfe (NOAA), and Shawn Smith (FSU). This session will begin at 8:30 am and run until 12:45 pm with a 15 minute break. The agenda for the session is attached.
- **Fiber Optic Termination Demo** – Andrew Girard (WHOI). This session will begin at 8:30 am and last a half day.