

Tentative Agenda
Research Vessel Technical Enhancement Committee (RVTEC) Meeting
Texas A&M University (TAMU), College Station, TX
Memorial Student Center (MSC)
November 18-21, 2013

A pdf version of this agenda is available at: <201311rvtag.pdf>

Sunday, November 17, 2013

6:00 – 7:00pm **Pre-meeting check-in – Best Western Hotel Lobby - Annette DeSilva**

Monday, November 18, 2013

8:00am **Meeting Check-in and Informal Discussion (Coffee/Danish) – MSC 2406A**

8:30am **Meeting Called to Order (MSC 2406A)**

- Introductory Remarks by David Fisichella, RVTEC Chair
- Welcome Remarks from Dr. Glen Laine, Vice President for Research, TAMU
- Welcome Remarks from Dr. Kate Miller, Dean of College of Geosciences
- Science Talk by Texas A&M -Dr. Wilford Gardner
- Accept minutes of Feb 2013 RVTEC Meeting

9:00am **RVTEC Participant Introduction**

9:15am **Icebreaker Session** – Tell us about this year’s technical/operational crisis and how you resolved it. A representative from each of the following vessels is requested to make a presentation. Presentations should be limited to 5 min with 1 slide per ship. Please consider having a junior member of your group make the presentation. If you have a slide it must be sent to the UNOLS Office no later than November 12th.

Order of Presentations

- University of Miami – *Walton Smith* – Aubri Vail
- University of Washington
 - o *Clifford A. Barnes* – Brandi Murphy
 - o *Thomas G. Thompson* – Brandi Murphy
- BIOS – *Atlantic Explorer* – James Caison
- Woods Hole Oceanographic Institution
 - o *Atlantis* – Chris Griner
 - o *Knorr* – Chris Griner
- University of Minnesota – *Blue Heron* – Mike Hawks
- University of Rhode Island – *Endeavor* – Erich Gruebel

10:00am **Break (Location)**

10:20am **Resume Icebreaker Session**

- University of Delaware – *Hugh R. Sharp* – Tim Deering (provided slide)
- University of Hawaii – *Kilo Moana* – Trevor Young
- Scripps Institution of Oceanography

- o *Melville* – Aaron Davis
- o *New Horizon* – Aaron Davis
- o *Robert Gordon Sproul* – Aaron Davis
- o *Roger Revelle* – Aaron Davis
- LUMCON – *Pelican*
- Moss Landing Marine Lab – *Point Sur* – Stian Alesandrini
- Skidaway Institute of Oceanography – *Savannah* – John Bichy
- Oregon State University – *Oceanus* – Erik Arnesen
- L-DEO – *Marcus G. Langseth* – Robert Steinhaus
- NOAA Vessels – Greg Speer
- USCG – *Healy* – Sarah Kaye & David O’Gorman
- USAP Vessels
 - o *Nathaniel B. Palmer*
 - o *Laurence M. Gould*
- Schmidt Ocean Institute – R/V *Falkor*
- Florida Institute of Oceanography - R/V *Weatherbird II* – Andrew Warren
- Others – Other vessel presentations are welcome, please notify the UNOLS Office in advance of the meeting if you wish to make a presentation.

11:35am **Technician Pool** – Jim Holik & Alice Doyle

11:55am **Introduction of Afternoon Sessions** – Moderators will provide a brief description of their respective technical session (3 minutes each):

- Cable Care & Maintenance / Trask
- MAC / Ferrini & Beaudoin
- Acoustic Workshop / Gates
- Van Pool

12:05pm **Lunch Break**

1:00pm **Technical Sessions** (description at the end of the agenda):

	MSC 2406A	MSC 2500	MSC 2501
1:00pm - 2:30pm	Cable Care & Maintenance / Rick Trask	MAC / Ferrini & Beaudoin	OPEN
2:30pm - 2:45pm	Break		
2:45pm - 4:00pm	Acoustic Workshop / Tim Gates	Van Pool	OPEN

4:00pm ***Adjourn Day 1***

4:30pm **Geochemical and Environmental Research Group (GERG) Facility Tour** - GERG Facility

5:00pm **TAMU Hosted Reception** (GERG Facility)

Tuesday, November 19, 2013

- 8:00am **Coffee and Informal Discussion** (MSC 2406A)
- 8:30am **Meeting Called to Order and Announcements** (MSC2406A)
- 8:35am **Summary of Monday Afternoon Sessions** – Moderators will provide a brief summary of their respective technical session:
- Cable Care & Maintenance / Trask
 - MAC / Ferrini & Beaudoin
 - Acoustic Workshop / Gates
 - Van Pool
- 8:50am **JMS Inspection Report with Highlights of Features and Practices that could Enhance Fleet Technical Services** – Ted Colburn
- 9:15am **Capabilities and status of the Global Xpress Service, Satellites / Network and Application Infrastructures** - Mike McNally, [Inmarsat Maritime](#)
- 10:00am **Poster/Demo Session, Refreshments, and Informal Discussions** – (MSC 2502)
- 10:45am **Agency Reports** – Issues specifically targeted at RVTEC group (MSC 2406A)
- NSF – Jim Holik
 - ONR – Tim Schnoor
 - NOAA – Douglas Perry
 - USCG
- 11:15am **R2R Program Update** – Bob Arko
- 11:30am **Afternoon Session Introductions** – The following technical discussions and training sessions will be held in the afternoon: A brief introduction by each session leader will be provided (3 minutes each).
- Dual FBB Antenna Configuration / Suchy and Salameh
 - R2R & Data Management/ Arko
 - Cruise Planning App / Doyle
 - Ship-to-Shore Real-Time File Transfer / Shawn Smith
 - Gravimeters – 2014 Software and Hardware – James Kinsey
- 11:45am **Lunch Break**
- 12:45pm **Technical Sessions** (description at the end of the agenda):

	MSC 2406A	MSC 2500	MSC 2501
12:45pm - 2:15pm	Dual FBB Antenna Configuration / Suchy and Salameh	R2R & Data Management/ Arko et al	Appendix A / Aaron Davis (Short Demo by Justin Smith)
2:15pm - 2:30pm	Break		

2:30pm - 3:45pm	Cruise Planning App / Alice Doyle	An Open Forum on Ship-to-Shore Real- Time File Transfer / Shawn Smith	Gravimeters –2014 Software and Hardware / James Kensey
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- 4:00pm Texas A&M Facility Tours:
- Coastal Engineering Lab
 - Offshore Technology Research Center (OTRC)

5:00 pm *Adjourn Day 2*

RVTEC Dinner – Tuesday, November 19th – 6:30 pm

J.Cody's Steak and BBQ

3610 S. College Ave

Bryan, Texas 77801

Reservations for the dinner are required at time of registration

Wednesday, November 20, 2013

- 8:00am **Coffee and Informal Discussion** (MSC 2406A)
- 8:30am **Meeting Called to Order and Announcements** (MSC 2406A)
- 8:35am **Summary of Tuesday Afternoon Sessions** – Moderators will provide a brief summary of their respective technical session:
- Dual FBB Antenna Configuration / Suchy and Salameh
 - R2R & Data Management/ Arko
 - Cruise Planning App / Doyle
 - Ship-to-Shore Real-Time File Transfer / Shawn Smith
 - Gravimeters – 2014 Software and Hardware – James Kinsey
- 8:50am **Distributing MRU Data** – Josh Eaton
- 9:05am **High-End Met Sensors** – David Fisichella
- 9:20am **MATE Update and Longer Term Internship Program** – Erica Moulton
- 9:35am **ADCP and UHDAS in the Fleet Report** – Jules Hummon
- 9:50am **Shared Use Equipment** – David Fisichella
- 10:05am **Poster/Demo Session, Refreshments, and Informal Discussions** (MSC 2502)
- 10:45am **Discussion of Ship/Shore Communications** – David Fisichella
- 11:00am **IWC Report and the affects on the UNOLS RVs** – Jim Holik

11:30am **Afternoon Session Introductions** – A brief introduction by each session leader will be provided (3min each):

- Appendix B / Eaton

11:45am **Lunch Break**

12:45pm **Technical Sessions** (description at the end of the agenda):

	MSC 2406A	MSC 2500	MSC 2501
12:45pm - 2:15pm	Appendix B / Eaton	Ship/Shore Communications Subcommittee Meeting	OPEN
2:15pm - 2:30pm	Break		
2:30pm - 4:00pm	Appendix B Open Forum	Ship/Shore Communications Subcommittee Meeting	OPEN

4:00 pm **Tour: Integrated Ocean Drilling Program (IODP)**

5:00 pm *Adjourn Day 3*

Thursday, November 21, 2013

8:00am **Coffee and Informal Discussion** (MSC 2406A)

8:30am **Meeting Called to Order and Announcements** (MSC 2406A)

8:35am **Summary of Wednesday Afternoon Sessions** – Moderators will provide a brief summary of their respective technical session:

- Appendix B / Eaton

8:50am **UNOLS Reports**

- UNOLS Report
- FIC – David Fisichella
- RVOC and Safety Committee – Rich Findley / Bill Fanning
- AICC and SCOAR –
- Ship Design/Construction Updates
 - R/V *Sikuliaq* –Bern McKiernan
 - Ocean Class Research Vessel Status – Tim Schnoor
 - Regional Class Update – Jim Holik

9:35am **INMARTECH 2014** – David O’Gorman

9:50am **RVTEC Officer Elections and Liaison Appointments** – David Fisichella

- 10:05am **Poster/Demo Session, Refreshments, and Informal Discussions** (MSC 2502)
- 10:50am **Ship/Shore Communications** – Alice Doyle
- 11:45am **Afternoon Session Introductions** – A brief introduction by each session leader will be provided (3 minutes each):
- Cable Spooling / Eaton
 - Transducer Testing / Findley
 - Precision Timing / Laird
 - Uncontaminated Seawater (UCSW)/ Fanning
- 12:00pm **Closing Remarks** – David Fisichella
- 12:15pm **Lunch Break**
- 1:15pm **Technical Sessions** (description at the end of the agenda):

	MSC 2406A	MSC 2500	MSC 2501
12:45pm - 2:15pm	Cable Spooling / Eaton	Precision Timing / Laird	RVTEC Manager Roundtable
2:15pm - 2:30pm	Break		
2:30pm - 4:00pm	Transducer Testing / Rich Findley	Uncontaminated Seawater (UCSW)/ Fanning	OPEN

4:30pm ***Adjourn RVTEC Meeting***

Technical Discussion Synopsis:

R2R & Data Management (Arko et al) – Tuesday, November 19th – 12:45 – 2:15 pm

R2R BreakOut Presentation/Discussion Topics:

10 minutes: review of R2R directory structure

10 minutes: R2R underway data QA Dashboard

10 minutes: SAMOS RealTime QA and feedback subscription service

45 minutes: CTD QA description and discussion

15 minutes: R2R Event Logger deployment modes

An Open Forum on Ship-to-Shore Real-Time File Transfer (Shawn Smith Facilitator) - Tuesday, November 19th – 2:30 – 3:45 pm

Members of the RVTEC community and the R2R program will host a facilitated discussion on techniques to efficiently and reliably transfer electronic data files from ship-to-shore via unstable and marginal connections. The need for this forum stems from practical experience (and failures) associated with real-time transfers of underway meteorological, navigational, and TSG (among others) data and the growing desire to move additional data (e.g., ADCP or Multibeam subsets) and metadata to shore on

regular, real-time schedules. Participants will be encouraged to share their experiences with real-time data exchange over unstable/marginal network connections and the group will discuss potential solutions. Exchange methods may include SMTP, UUCP, rsync, etc. RVTEC participants that are interested in making a short presentation on this topic during the session are encouraged to contact Shawn Smith (smith@coaps.fsu.edu).

Additional Synopses will be posted as they come available.