GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM
ANNUAL MEETING
The Clarion Hotel Downtown
The University of South Carolina
Columbia, South Carolina
November 5-6, 2009

Hosted by:
The University of South Carolina Department of Earth and Ocean Sciences
and
The Center for Marine Resources and Environmental Technology and
The National Institute for Undersea Science and Technology’s
Seabed Technology Research Center at
The University of Mississippi

AGENDA

Thursday, November 5

8:00 am - Gather at The Clarion Hotel, Salon C Ballroom
   Speakers, please load and save your presentations onto the computer.

8:30 am – Welcoming Remarks
   Camelia/Jim Knapp
   Department of Earth and Ocean Sciences, The University of South Carolina

8:45 am – Welcoming Remarks
   Carol Lutken, The Seabed Technology Research Center and
   Center for Marine Resources and Environmental Technology, University of Mississippi

9:00 am – Federal Agency Representatives:
   Rick Baker, NETL, Department of Energy
   Roger Amato, Minerals Management Services, Department of the Interior
   Gene Smith, NIUST, Ocean Exploration and Research, NOAA, Department of Commerce

9:10 am – Baseline Characterization of Subsurface Structure and Stratigraphy at MC-118,
   Jim Knapp
   Department of Earth and Ocean Sciences, The University of South Carolina

9:30 am – Biogeochemical updates at MC 118: Seafloor and lab experiments
   Laura Lapham
   Florida State University

9:50 am - The HYFLUX Project: Overview of Results from MC118 and other Gulf Hydrate Sites
   Ian MacDonald and Hyflux cruise participants Thomas Naehr, Miriam Kastner, Evan Solomon, Shari
   Yvon-Lewis, Ira Leifer, Kevin Martin, Jeff Chanton, Jen Biddle and Marshall Bowles

10:10 am - The HYFLUX project: Water column methane concentrations, comparison of MC118 and other Gulf
   Hydrate sites
   Jeff Chanton and Laura Lapham, Florida State University

10:30 am – COFFEE BREAK

10:50 am – Carbon and Sulfur Cycling at Cold Seeps: Lessons from MC118
   Marshall Bowles and Mandy Joye, University of Georgia

11:10 am - The MC118 subsurface microbial community - microbial players within and outside of subsurface
   fluid advection paths
   Andreas Teske, Charlie Martin, Sarah Underwood, UNC - Chapel Hill

11:30 am - Results from field deployment of the multi-sensor-string, mini-CSA system
   Chris Martens
   University of North Carolina - Chapel Hill
12:10 pm – LUNCH (Salon B, Ballroom)

1:00 pm – The meeting will move to the University of South Carolina’s 3D Visualization Room, Sumwalt College, Room 219 located at 1212 Greene St.

1:30 pm – *Summary and demonstration of recent cooperative geology/geophysics accomplishments*
Jim Knapp, Camelia Knapp, Leonardo Macelloni, Antonello Simonetti

2:30 - 3:00 pm – BREAK and RETURN to The Clarion Hotel, Salon C Ballroom.

3:00 am - *Summary of Microbial Implications on Formation/Dissociation of Seafloor Hydrates*
Rudy Rogers, James Raddich, Shangmin Xiong, Mississippi State University

3:40 pm *Geological Characterization of MC 118 Gas Hydrate Stability Zone via Multiple Resolution Seismic Data Integration*,
Antonello Simonetti, Leonardo Macelloni, CMRET, University of Mississippi
James Knapp, Camelia Knapp, Department of Earth and Ocean Sciences, The University of South Carolina

4:00 pm - *Preliminary results of MC 118 Hydrates Mound morphology evolution, by comparison multi-time AUV surveys*
Mariangela Lodi, Leonardo Macelloni, Carol Lutken, CMRET, University of Mississippi
A. Dierks, University of Southern Mississippi and Simona Caruso, Fugro Survey Limited, FUGRO, Aberdeen

4:20 pm *AVO Analysis at MC 118*
Camelia Knapp, Adrian Addison, Michael Waddell, Jim Knapp, USC
Leonardo Macelloni, CMRET, University of Mississippi

5:30 – 8:30 pm – Reception hosted by Dr. Venkat Lakshmi, Chair of the Department of Earth and Ocean Sciences, University of South Carolina, Magnolia Room, The Clarion Hotel

**Friday, November 6**

8:30 am - Reconvene at The Clarion Hotel, Salon C Ballroom

4:30 pm - *Results of Initial Electrical Resistivity Survey of MC118*
John Dunbar and Alan Gunnell
Baylor University

8:40 am – Woolsey Mound update ......................................................Jesse Hunt, retired MMS, New Orleans

8:50am – *Quantitative Multibeam Sonar Seep Bubble Gas Flux Discrimination and Mapping its Geochemical Fate*
Ira Leifer, Bruce Luyendyk, Chris Stubbs, Dan Culling, University of California at Santa Barbara; Tim Short and Strawn Toler, SRI; Igor Semiletov, Natalia Shakhova, University of Alaska, Fairbanks

9:10 am – *Geochemical surveying from an AUV via mass spectroscopy and Results from long-term BBLA Deployment at MC118* .........................................................Rich Camilli, Woods Hole Oceanographic Institution

9:30 am – *Highlights of the JIP hydrates cruise* .................................Paul Godfriaux, MMS, New Orleans

9:45 am – *What’s next at the JIP* .............................................................Rick Baker, NETL, Morgantown

10:00 am – *Array deployment methods, SSD updates, meeting power challenges* ................. Paul Higley, SDI

10:20 am – *Proposal to the IODP* .........................................................Jim Knapp, University of South Carolina

10:30 am – What’s next? ..........................................................Carol Lutken, CMRET, STRC, University of Mississippi

10:45 am – COFFEE BREAK
11:55 am – GENERAL DISCUSSION – cruise/deployment/technical needs – Carol Lutken, moderator

2:00 pm – Adjournment