

# Meeting Program

Comparative Sedimentology Laboratory

2008 Annual Review Meeting

Monday, October 6<sup>th</sup>

Morning

## 08:30 Coffee

09:00 Welcome and Introduction, Gregor Eberli

09:15 Characterization of Mixed System Clinothem: Cibao Basin, Dominican Republic

*Donald F. McNeill, James S. Klaus and Gregor P. Eberli*

09:35 Reef Growth and Faunal Partitioning in a Mixed Carbonate-Siliciclastic System: Miocene and Pliocene of the Northern Dominican Republic

*James S. Klaus and Donald F. McNeill*

09:50 Outcrop and GPR Analysis of Solution-Enhanced Faults and Fractures within a Production Scale Outcrop Analogue: Cassis Quarry France

*Miquel Coll, Juliette Lamarche, Mark Grasmueck, Gregor P. Eberli, Rizky Sekti, Piepaolo Marchesini, Francois Fournier and Jean Borgomano*

## 10:25 Coffee Break

10:55 What Lies Beneath: Antecedent Topography on Glovers Reef

*Noelle J. Van Ee, Gregor P. Eberli and Flavio S. Anselmetti*

11:10 Periplatform sediments increase deep-water coral mound growth in the Straits of Florida

*Thiago B.S. Correa, Gregor P. Eberli, Mark Grasmueck and John K. Reed*

11:30 Geochemical Fingerprints in Deep-water Corals and Sediments across the Straits of Florida

*Angela D. Rosenberg, Peter K. Swart, Gregor P. Eberli, Mark P. Grasmueck, Courtney L. Drayer, Thiago B.S. Correa and John K. Reed*

11:45 Water weakening of elastic moduli of carbonates related to texture and permeability

*Ida L. Fabricius, Gregor T. Baechle and Gregor P. Eberli*

## 12:00 Lunch

- 13:30 Effect of Pore Structure on Dynamic Shear Moduli  
*Klaas Verwer, Gregor P. Eberli, Ralf Weger and Gregor T. Baechle*
- 13:45 Carbonate Petrophysical Parameters derived from 3D Images  
*Mark Knackstedt, Mahyar Madadi, Christoph Arns, Gregor T. Baechle, Gregor P. Eberli\* and Ralf J. Weger*
- 14:05 Facies and Diagenetic Partitioning in Pleistocene Cycles of the Bahamas  
*Rosely Marçal, Gregor P. Eberli, Donald F. McNeill and F. Eduardo Cruz*
- 14:20 Irregular Recurrence of Paleotsunamis in Southeastern Sri Lanka  
*Kelly L. Jackson, Gregor P. Eberli, Eugene C. Rankey, Falk Amelung and Andrew L. Moore*
- 14:35 Coffee Break and overview of Shroud Cay cores**
- 15:05 Global Patterns in Carbon Isotopes: Applications to Stratigraphy  
*Peter K. Swart*
- 15:20 Sea-level on the Bahamas Banks: Implications of sedimentary organic carbon isotopes  
*Quinn B. Devlin, Kate A. Lamb-Wozniak and Peter K. Swart*
- 15:35 Progradation and Aggradation of a Windward Platform Margin, Exuma Islands, Bahamas  
*Donald F. McNeill and Paul J. Hearty*
- 15:55 Sedimentology of Shroud Cay Sub-Environments: Tidal Flat, Tidal Delta, and Cemented Deposits  
*Maaïke Petrie, Gregor P. Eberli, and Donald F. McNeill.*
- 16:30 Reception and Shroud Cay Core Display in Commons**
- 18:30 Return to hotel**

**08:15 Coffee**

08:30 Holocene and Pleistocene Carbonate Facies of Crooked-Acklins Platform, Bahamas:  
Introduction to the Field Trip

*Gene C. Rankey, Andrew Berkeley and Stacy L. Reeder*

08:55 Linkages between Geomorphology and Sedimentology along a Reef-Rimmed Shelf:  
Crooked-Acklins Platform, Southern Bahamas

*Fikril Hakiki and Eugene C. Rankey*

09:10 Clumping Isotopes and Application to Carbonate Diagenesis

*Peter K. Swart*

09:25 V<sub>p</sub>/V<sub>s</sub> ratio in Carbonates

*Klaas Verwer and Gregor P. Eberli*

**09:40 Coffee Break**

10:10 3D Visualization of Stratigraphy and Fractures in Maastrichtian Carbonate Reservoir  
Analog

*Rizky P. Sekti, Gregor P. Eberli, Mark Grasmueck, Pierpaolo Marchesini and Miquel Coll*

10:25 Fracture and Deformation Band Detection with 3D GPR

*Pierpaolo Marchesini, Mark Grasmueck, Gregor Eberli, Rizky Sekti, Miquel Coll*

10:40 The Shuqaiya Formation ó Stratigraphy, Depositional Processes and a New Play Concept

*Gregor P. Eberli, Bernard J. Pierson, Florian Maurer, Jose L. Massafiero, Georg Warrlich, Donna Drysdale and Khalil Al-Mehsin*

**Future Plans**

11:00 Future Projects & Discussion

**12:15 Dismissal & Departure for Fieldtrip**