

SECOND CIRCULAR: SEPM RESEARCH CONFERENCE 15-18 AUGUST 2008

CLINOFORM SEDIMENTARY DEPOSITS: THE PROCESSES PRODUCING THEM AND THE STRATIGRAPHY DEFINING THEM

ABSTRACT DEADLINE 31 MARCH 2008

Please submit to SEPM a 250-word abstract on topics related the conference themes (see list below). The online submission form can be found at:

<http://www.sepm.org/activities/researchconferences/clinoform/clinoformhome.htm>

We aim to bring together the ‘modern, ancient and modeling’ communities who have an interest in clinoform deposits, specifically in their formation, character and significance. The focus will be on clinoforms found on continental shelves, in association with fluvial-deltaic systems, including the deeper shelf margin itself. Whereas the modern community focuses on formative processes and spatial variability of clinoforms, the ancient community has data and insight on sedimentary facies and development over longer time scales. The modelers (numerical and experimental) are critical to both groups for providing links between time scales. In turn, the modelers seek validation for the results of their models. All three groups are interested in the source-to-sink aspects of shelf-scale clinoforms. This conference will allow prolonged dialog and discussion, while examining some classic field examples of river- and wave-dominated deltas on shelf and shelf-margin settings.

Conference Themes:

- Scale independence of clinoform morphology
- Linkages between deltaic and subaqueous shelf deposits
- Margin morphology and shelf-edge deltas
- Wave- and river-dominated deltas and relationships to clinoform structure
- Subaerial and subaqueous portions of deltas – their formative relationships
- Sandy and muddy gravity flows distributing sediment on clinoforms
- Along-clinoform heterogeneity of structure and the processes responsible
- Cross-shelf clinoform migration with changing sea level and supply

Keynote Presentations:

- Amazon Clinoform: Alberto Figueiredo - Universidade Federal Fluminense, Brazil
- Numerical Models: Carl Friedrichs, College of William and Mary, USA
- Ganges-Brahmaputra Clinoform: Steve Goodbred, Vanderbilt University, USA
- Delta-Scale Clinoforms: Wojtek Nemeč, University of Bergen, Norway
- Laboratory Simulations: Ben Sheets, ExxonMobil Production Co, USA
- Margin-Scale Clinoforms: Ron Steel, University of Texas, USA
- Apennine Clinoforms: Fabio Trincardi, ISMAR-CNR, Italy

Convenors:

R. Steel rsteel@mail.utexas.edu

C. Nittrouer nittroue@ocean.washington.edu

Scientific Committee:

R. Dalrymple, G. Hampson, S. Kuehl, D. Mohrig, J. Swenson

C. Carvajal and D. Pyles (field leaders: Fox Hills-Lewis clinoforms)

C. Olariu (Field Coordinator)

P. Plink-Bjorklund (field leader: Chimney Rock clinoforms)

Conference Base:

Western Wyoming Community College, Rock Springs, Wyoming

Travel to Rock Springs:

You should arrange to arrive in Rock Springs by Thursday evening, 14 August.

There are flights from Denver. We will also run free shuttles from Salt Lake City to Rock Springs (and back); schedules will be established later.

Conference format:

The first two days will include keynote lectures and participant posters in Rock Springs. These will be followed by two days of field seminars: 1) around Flaming Gorge (wave-dominated delta clinoform sets) and 2) Fox Hills-Lewis shelf-margin clinoforms with river-tide interaction, shelf-edge delta and equivalent deepwater slope turbidites

Participant numbers:

We are limited to 80, because of logistical considerations in the field.

Conference Fees and Logistics: Registration fee for the four-day conference will be \$450 for SEPM Members and \$500 for non-members. There are five student grants for the registration fee, and students willing to help with field logistics will have priority. Please contact the convenors to apply. The registration fee will include: lunches and refreshments on all days, fieldtrip transportation, meeting booklets (Abstracts, Field Guides). Participants are responsible for their lodging, breakfasts and dinners. A small block of rooms has been reserved at one of the motels in Rock Springs and several others are available. We will also coordinate several vans leaving the Salt Lake City airport on August 14 to take participants to Rock Springs. Air transport to Rock Springs directly from Denver is available but limited in its capacity.

Sponsors:

- BHP Billiton Petroleum
- Shell International
- Community Surface Dynamics Modeling System (CSDMS)