

FIRST CIRCULAR: SEPM FIELD CONFERENCE AUGUST 15-18, 2008

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

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 water 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 physical) 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. A field Conference will allow prolonged dialog and discussion, while examining some classic field examples of river-, tide- 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
- Tide-, 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

Convenors:

R. Steel & C. Nittrouer

Scientific Committee:

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

C. Carvajal (field leader: 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

Arrivals and departures from Rock Springs Airport (via Denver, possibly from SLC by next year). If participant numbers are large, we may arrange a bus from Salt Lake City, late afternoon August 14th.

We will use rented minivans for the two field days at Flaming Gorge and at Rawlins

Conference format:

Two days of keynote lectures and participant posters, Rock Springs, Wyoming, plus two days of field seminar around Flaming Gorge (wave-dominated clinoform sets) and Rawlins areas (Haystack Mountains tide-influenced clinoforms; Fox Hills-Lewis river-dominated, shelf-edge clinoforms)

Conference dates and numbers:

August 15-18, 2008; maximum of about 80 participants because of limitations on field portion. Arrival into Rock Springs should be evening August 14th.

Conference Fees: Registration fee for 4-day conference will be announced shortly. This will include field transport, abstract book, field-guide books, lunches during two field days, drinks during two field days and meals during lecture days at WWCC

CALL FOR POSTER ABSTRACTS

Please submit 250-word abstracts (SEPM format) on above or related themes by **March 31st, 2008** to SEPM (online submission to become available)