

01 June, 2006

RDRG 2006 - Houston, Texas

AAPG Annual Meeting
Rock Deformation Research Group Committee Meeting
Houston, Texas

April 11, 2006 • 7:00 – 10:00 PM

Report

Current RDRG Chair Deb Spratt (University of Calgary) opened the meeting, along with vice-chair Steve Naruk (Shell) and about 60 attendees present. Following introductions, Don Medwedeff (AAPG Research Committee Vice Chair) outlined the Research Committee's mission and sought RDRG input on topics for future Annual Meeting symposia and Hedberg Conferences. Alex Bump (BP) presented an informal survey of the status of structural geology in the Majors. Then Deb introduced the main topic for the evening, how to improve collaboration between geoscientists and reservoir engineers so that we can provide structural output suitable for reservoir modeling and capture feedback from modeling for structural refinement. The panel included Kachi Onyeagoro (Shell), Colin Sayers (Schlumberger), Quentin Fisher (RDR, Leeds), John Lorenz (Sandia Labs), and Steve Laubach (UT-BEG).

Their presentations (PDFs) can be accessed by clicking on their names:

- [Don Medwedeff](#) (Chevron): AAPG Research Committee status
- [Alex Bump](#) (BP): Informal survey of the status of structural geology in the Majors
- [Kachi Onyeagoro](#) (SIEP): Seismic-scale structure
- [Colin Sayers](#) (Schlumberger): Constraints on geomechanical behavior
- [Quentin Fisher](#) (RDR, Leeds): Faulting & fluid flow
- [John Lorenz](#) (Sandia Labs): Geologic constraints on modeling fractured reservoirs
- [Steve Laubach](#) (UT-BEG): Core-data constraints on fractures

Among the topics and issues warranting further discussion are:

- how to avoid the tendency for single solutions in structural approaches, models, and outcomes
- how to integrate geology on all scales to include the critical observations and recognize the hierarchy and timing of structural elements
- how best to approach structural responses to dynamic reservoir changes

- how to apply data from induced fracs as controlled experiments and inverting data from microseismicity
- deformation metrics required for modeling permeability and other flow performance parameters

Steve solicited nominations for vice-chair in 2007. John Walsh (University College Dublin) had been previously nominated, and with no further nominations from the floor, John was overwhelmingly elected. Steve Naruk will serve as Chair in 2007.