

## **GEO4240 Seminar**

**Wednesday, April 9 and Thursday, April 10, 2008**

### **Wednesday, April 9**

#### **13.15 – 13.30: Abreham, Yacob**

Landrø, M., Solheim, O.A., Hilde, E., Ekren, B.O., and Stronen, L.K., 1999. The Gullfaks 4D seismic study. *Petroleum Geoscience*. 5; 3, Pages 213-226.

#### **13.30 – 13.45: Asgedom, Endrias Getachew**

Davies, R.J. and Posamentier, H.W., 2005. Geologic processes in sedimentary basins inferred from three-dimensional seismic imaging. *GSA Today*: v. 15, no. 10, pp. 4-9

#### **13.45 – 14.00: Baig, Muhammad Tayyab**

Stewart, S.A. and Allen, P.J., 2005. 3D seismic reflection mapping of the Silverpit multi-ringed crater, North Sea. *GSA Bulletin*, v. 117; no. 3/4, p. 354–368.

#### **14.15 – 14.30: Belalahy, Olivier**

Hustoft, S., Mienert, J., Bunz, S., and Nouze, H., 2007. High-resolution 3D-seismic data indicate focussed fluid migration pathways above polygonal fault systems of the mid-Norwegian margin. *Marine Geology* 245, pp. 89–106

#### **14.30 – 14.45: Bjørkesett, Siri Sagvåg**

Pearson, R. A., and B. S. Hart, 2004, Three-dimensional seismic attributes help define controls on reservoir development: Case study from the Red River Formation, Williston Basin, in *Seismic imaging of carbonate reservoirs and systems: AAPG Memoir 81*, p. 43– 57.

#### **14.45 – 15.00: Bourdet, Marion**

Rafaelsen, B., Andreassen, K., Hogstad, K., and Kuilman, L., 2007. Large-scale glaciotectonic-imbricated thrust sheets on three-dimensional seismic data: facts or artefacts? *Basin Research*, 19, pp. 87–103.

#### **15.15 – 15.30: Canerot, Clio**

Masaferro, J. L., R. Bourne, and J. C. Jauffred, 2004, Three-dimensional seismic visualization of carbonate reservoirs and structures, in *Seismic imaging of carbonate reservoirs and systems: AAPG Memoir 81*, p. 11– 41.

#### **15.30 – 15.45: Harsum, Wibi Aulia**

Hesthammer, J. and Fossen, H. 1997. The influence of noise in structural interpretation of seismic attribute maps. *First Break*, 15, 209-219

**15.45 – 16.00: Jargvoll, Svein David**

Cartwright, J. 1996. Polygonal fault systems: a new type of fault structure revealed by 3-D seismic data from the North Sea Basin. AAPG Studies in Geology, 42, and SEG Geophysical Developments Series, 5 North Sea Basin, in P. Weimer and T. L. Davis, eds., AAPG Studies in Geology No. 42 and SEG Geophysical Developments Series No. 5, AAPGSEG, Tulsa, p. 225–230 (Digital version, p. 338-350) (Chapter 25).

**16.15 – 16.30: Kúld, Ingi Thór Hallgrímson**

Hesthammer, J. 1998. Evaluation of the timedip, correlation and coherence maps for structural interpretation of seismic data. First Break, 16, 151-167.

**16.30 – 16.45: Riber, Lars**

Blumentritt, C.H., Marfurt, K.J., and Sullivan, E.C., 2006. Volume-based curvature computations illuminate fracture orientations - Early to mid-Paleozoic, Central Basin Platform, west Texas. Geophysics, 71/5, pp. 159-166

**16.45 – 17.00: Senger, Kim**

Sullivan, E.C., Marfurt, K.J. Lacazette, A., and Ammerman, M., 2006. Application of new seismic attributes to collapse chimneys in the Fort Worth Basin. Geophysics, 71/4, pp. 111-119

**Thursday, April 10****13.15 – 13.30: Nygård, Helena Kvamme**

Lomask, J., and Guitton, A. 2007. Volumetric flattening: an interpretation tool. The Leading Edge, 26; 7, Pages 888-897

**13.30 – 13.45: Orji, Okwudili Chuks**

Chopra, S., and Marfurt, K.J., 2007. Volumetric curvature attributes add value to 3D seismic data interpretation. The Leading Edge, 26; 7, pp 856-867

**13.45 – 14.00: Presterud, Ida Vik**

Bulat, J., 2005. Some considerations on the interpretation of seabed images based on commercial 3D seismic in the Faroe-Shetland Channel. Basin Research, 17, pp. 21–42

**14.15 – 14.30: Løv-Mikkelsen, Christian**

W. L. Abriel, P. S. Neale, J. S. Tissue, R. M. Wright, 2004. Modern Technology in an Old Area—Bay Marchand Revisited. AAPG Memoir 42 and SEG Investigations in Geophysics, No. 9, Chapter 9 (Case Histories of Three-Dimensional Seismic Surveys).

**14.30 – 14.45: Rivera, Jose Mauricio Cepeda**

Arestad, J. F., T. L. Davis, and R. D. Benson, Utilizing 3-D, 3-C seismology for reservoir property characterization at Joffre Field, Alberta, Canada, in P. Weimer and T. L. Davis, eds., AAPG Studies in Geology No. 42 and SEG Geophysical Developments Series No. 5, AAPG/SEG, Tulsa, p. 171–178.

**14.45 – 15.00: van Koeverden, Jan Hendrik**

Cartwright, J, 2007. The impact of 3D seismic data on the understanding of compaction, fluid flow and diagenesis in sedimentary basins. *Journal of the Geological Society, London*, Vol. 164, 2007, pp. 881–893

**15.15 – 15.30: Yaqoob, Muhammad Junaid**

Liu, J. and Marfurt, K.J., 2007 Instantaneous spectral attributes to detect channels, *Geophysics*, 72, 2; pp. 23–31

**15.30 – 15.45: Zakeri, Arash**

Bunz, S., Mienert, J., Bryn, P., and Berg, K., 2005. Fluid flow impact on slope failure from 3D seismic data: a case study in the Storegga Slide. *Basin Research*, 17, pp. 109–122

**15.45 – 16.00: Ågesen, Kristin**

Bose, A., Singh, V. Tandon, A.K., Josylulu, B.S., and Mahesh, C., 2004. A case study of stratigraphic and lithologic interpretation of thin reservoirs through an integrated approach. *The Leading Edge*, 23; 10, pp. 966-972

**16.15 – 16.30: Morgan, Eugene**

Wittick, T.R., 1998. Using 3-0 Seismic Data to Find New Reserves in Quitman Field Wood Counw, Texas.

**16.30 – 16.45: Guangying Si**

Mosher, D., Bigg, S., and LaPierre, A., 2006. 3D seismic versus multibeam sonar seafloor surface renderings for geohazard assessment: Case examples from the central Scotian Slope. *The Leading Edge*, 25, pp. 1484-1494.