

## CPS/SEG Beijing Technical Session Schedule

### **ORAL SESSIONS**

**25 April 2009**

#### **ACQUISITION 1**

**Location: Hall 305 B**

**8:30 AM Electromagnetic telemetry in measurement-while-drilling with small RF-transceivers--** Hamid Naseri\* and Richard C. Liu, U of Houston

**8:55 AM Keeping away and eliminating “string induction”--** LUO Fulong\*

**9:20 AM MEMS Accelerometer vs. Geophone for Seismic Monitoring and Survey--** Duli Yu\* and Darron Collins, Colibrys Inc; Bernard Maechler, ION Geophysical Corp

**9:45 AM Research on the Geophone-ground Coupling Problem--** Yang Wenjun, Wang Haibo, and Dong Shixue

**10:10 AM Onshore full azimuth 3C3D geometry design and its application--** Zou Xuefeng\*, Deng Zhiwen, and Zhao Guoan

**10:35 AM The research on acquisition technique of avoiding source-resulted strong secondary interference in the thicker loess-covered area --** Du Zhongdong, Deng Shuquan, Deng Zhiwen, Li Baoqua, and Wang Yungao

**11:00 AM A new dual-sensor towed marine streamer: increased resolution and improved imaging in marine seismic—**Du Zhongdong, Deng Shuquan, Deng Zhiwen, Li Baoquan, Wang Yungao, Maz Farouki\*, Natasha Hendrick, Andrew Long, and Rune Tenganmn, Petroleum Geo-Services

#### **VELOCITY**

**Location: Hall 305 C**

**8:30 AM A new method of Oil and Gas Detection -- Parameter Evolving Common Reflection Point Velocity Analysis--**Zhou Qingchun, Lin Yihua, and Li Guodu

**8:55 AM Reflection seismic waveform tomography: Imaging schemes--**Yanghua Wang\* and Ying Rao, Centre for Reservoir Geophysics, Department of Earth Science and Engineering, Imperial College London

**9:20 AM Application of Tomographic Static Correction Constrained by Prior Information in 3D Multi-survey Joint Processing in the Southwest of Qaidam--**Wang Xiao, Wu Jie, and Yong Xueshan

**9:45 AM 3D Non-hyperbolic Reflection Tomography With Real Data Application--**Zhaobo Meng, Formerly Nexus Geosciences Inc. , presently ConocoPhillips; Chuck Peng, Nexus Geosciences Inc.

**10:10 AM Reflection seismic waveform tomography: Strategies for real data application--** Yanghua Wang\* and Ying Rao, Centre for Reservoir Geophysics, Department of Earth Science and Engineering, Imperial College

**10:30 AM Finite-frequency sensitivity analysis and migration velocity updating--** Xiao-Bi Xie\* and Hui Yang, Institute of Geophysics and Planetary Physics, U of California at Santa Cruz

**11:00 AM The velocity analysis of the complex piedmont region in the Tarim basin and the method of varying-velocity mapping --** Yang Dexing, Liu Yunhong, and Wang Zhiyong

**11:25 AM Structure Constrained Vertical Velocity Modeling Technique--** Rui Yongjun, Shang Xinmin, and Liu Liping\*

#### **INTERPRETATION 1**

**Location: Hall 307**

8:30 AM **Attribute analysis for the new play exploration, in malaysian basins**-- Hamdan Mohamad\*, Carigali Sdn Bhd and Nurhafizah Mohamed, PETRONAS

8:55 AM **Seismic characteristics and development model of carbonate platform in xisha Islands-contrast with Maldives archipelago**--Ma Yubo\*, Wu Shiguo, Dong Dongdong and Yuan Shengqiang, Key Lab of Marine Geology and Environment, Institute of Oceanology, Chinese Academy of Sciences; Lv Fuliang, Hangzhou Research Institute of Petroleum Geology, Petrochina; Fu Yanhui, China U of Petroleum

9:20 AM **Formation pressure prediction in carbonate**--Zhu Wei \*, Yu Wenhui and Li Keyou

9:45 AM **Carbonate Reef or Oolitic Reservoirs**-- Deng Ying \*, Zeng Tao, and Jiang Wei

10:10 AM **Gas Hydrate Identification from  $\Delta V_p/\Delta V_s$**  -- Liu Xuwei\*, He Jing, and Sun Qiuli

10:35 AM **Research of intelligence sublayer correlation**-- Wenhao Zhou\* and Wenhui Yu, Shihui Zhang,

11 AM **High precision structural interpretation in complex small fault-block zone: a case of Qintong depression**-- Guoliang Qi\*, Wenhui Yu, and Xueqiang Zhang

11:25 AM **Annalysis of problems in seismic slice interpretation**-- Qian Rongjun

**IMAGING 1**

**Location: Hall 308**

8:30 AM **Observed Azimuthal Anisotropy Could be Caused By Near-Surface Heterogeneity**-- Xianhuai Zhu, Simon Shaw, Baishali Roy, Matt Hall, Michael Gurch, John Sinton, Dan Whitmore and Phil Anno, ConocoPhillips

8:55 AM **The research of migration correction to converting velocity between time and depth domain**--Zhang Lian-ping and Liu Hong

9:20 AM **Time-reversal and super-resolution in case of two transceiver arrays: generalized DORT**-- Leiv-J. Gelius\*, Department of geosciences, U of Oslo

9:45 AM **Practical issues of reverse time migration: true amplitude gathers, noise removal and harmonic-source encoding**--Yu Zhang and James Sun\*, CGGVeritas

10:10 AM **The mathematical and geophysical meaning of least-squares migration and its implementation in FK domain**-- Huazhong Wang\*, Haoran Ren and Xiaopeng Zheng

10:35 AM **Beam Migration for Imaging of Complex Geology**-- Maz Farouki\*, Karl Schleicher, John Sherwood and Lynn Comeaux, Petroleum Geo-Services

11 AM **Kirchhoff Prestack Time Migration On Rough Surface** — Theory and Application-- Xue Aimin

11:25 AM **Azimuth/Angle-Domain Imaging in Prestack Time Migration Using Non-hyperbolic Moveout**-- Cheng Jiubing\* and Wang Nan

**EM/ POTENTIAL FIELDS**

**Location: Hall 311**

8:30 AM **3D inversion of marine magnetotelluric data on massively parallel computer**--Michael S. Zhdanov\*, Le Wan, Arun Kumar, Alex Gribenko, and Martin Cuma, U of Utah; Kerry Key and Steven Constable, Scripps Institution of Oceanography, U of California

8:55 AM **3D MT data processing method in complicated mountain area: a case study**--Meng Cuixian, Song Xuguang, Hu Zuzhi

9:20 AM **Improving surface nuclear magnetic resonance surveys at moderate to high magnetic latitudes**-- Trevor Irons\* and Yaoguo Li, Center for Gravity, Electrical, and Magnetic Studies, Colorado School of Mines; Jason R. McKenna, U.S. Army Engineer Research & Development Center

9:45 AM **An experimental procedure for the fast 3D inversion of surface electrical resistivity tomography data sets**--Nikos Papadopoulos\*, Myeong-Yong Yi, Jung-Ho Kim, Korean Institute of Geoscience and Mineral Resources; Apostolos Sarris, Foundation of Research and Technology Hellas; Panagiotis Tsourlos, Aristotle U of Thessaloniki

10:10 AM **Gravity and magnetic field features of the Junggar Basin and its fault system research**--Zhang Lili, Hao Tianyao, and Li Jun

10:35 AM **The study of 3D gravitational and magnetic data acquisition, processing, interpretation and its application**--Liu Yunxiang, Xu Xiaofang\*, and Si Hualu

11:00 AM **Integrated interpretation of Gravity, Magnetic and Seismic data for Structural configuration in the San Juan-Tumaco basins, Offshore**--S.V. (Rao) Yalamanchili\*, N. Mohanty, Reliance Industries Ltd

11:25 AM **Differentiation of vertical and dipping geological contacts by means of gravity data**--Noutchogwe Tatchum C.\*, Tabot C. T., and Manguelle-Dicoum E., Lab of Geophysics, U of Yaounde

## **ACQUISITION 2**

**Location: Hall 305B**

1:30 PM **Using Box-Wave to Determine Array Parameters**--Cao Wuxiang\*, Wang Xinquan and Ni Yudong

1:55 PM **Geophone Array Response Study of Reflection Wave in the steep formation**--Luo Fei, Zhang Mugang, and Zhang Rujie

2:20 PM **Advantages of point acquisition high density 3D using digital sensors: a case study from the Che89 well area of the Junggar basin (China)**--Li Jiang\*, Hua Yao & Xu Fan, Geophysical Research Institute, XinJiang Oil Company, PetroChina

2:45 PM **Autonomous Nodes for Time Lapse Reservoir Seismic - An Alternative to Permanent Seabed Arrays**--Brian Anderson, Eivind Berg, Phil Gunn\*, and Shuki Ronen, SeaBird Exploration

3:10 PM **Application of efficient vibroseis acquisition technology in North Africa**--Wang Changhui, Zhou Hen, and Zhang Mugang

3:35 PM **The optimized seismic excitation technique for vibroseis based on high density sampling**--Deng Zhiwen, Bai Xuming, and Yao Jingyao\*

4:00 PM **High Fidelity Vibratory Seismic (HFVS) 3D Survey for Optimum Field Development**--Yilmaz Sakallioglu\*, A.B. Abdalla, and H. Sufrani, Waha Oil Company; Zhou Heng, Wang Changhui and Xiao Hu, BGP Inc.

## **MULTIPLES**

**Hall:305C**

1:30 PM **Multiple Elimination Research Based on Feedback Method**--Zhang Junhua\* Zheng Xugang and Wang Jing

1:55 PM **An Improved Wave Equation Multiple Modeling and its Application**--Ke Benxi\*, Wu Yanhui, and Ma Guangkai

2:20 PM **Surface-Related Multiple Attenuation by Prediction-Muting Parabolic Radon Transform**--Weihong Wang \*, Shumin Chen, and Jianmin Wang

2:45 PM **Comparisons of two kinds of adaptive subtraction methods for multiple attenuation**--Li peng\*, Ke Benxi, and Fang Yunfeng

3:10 PM **Multiple Prediction and Adaptive Attenuation for Post-stack Seismic Data**--Xinwu Huang, Bing Zhao\*, and Hongxian Zhang

3:35 PM **Prediction and elimination of multiples based on the energy conservation theory**--He Li\* and Hong Liu

4:00 PM **Multiple attenuation using inverse data processing in the plane wave domain**--Jitao Ma\*, China U of Petroleum and U of Texas at Austin; Mrinal K Sen, U of Texas at Austin; Xiaohong Chen, China U of Petroleum

4:25 PM **Cascade Multiple Suppression Techniques in Deepwater Application**--Li Hongtu\*, Huang Zhi and Guo Xiangyu, BGP, CNPC

## **INTERPRETATION 2**

**Location: Hall 307**

1:30 PM **Correlative analysis on post-stack seismic attributes and physical properties of turbidite**--Han Wengong, Zhang Jianning, and Wang Hui-yong\*

1:55 PM **Quantitative thin-layer thickness estimation using relative peak frequency variation**--Sun Luping \*, Zheng Xiaodong and Yang Hao

2:20 PM **S-Zero Stack, A new method to extract density information from PS waves**--Keshan Zou, WesternGeco/Schlumberger

2:45 PM **Fast Geophysical Three Step Method for Exploratory Target Evaluation in the Diapirism-Thrust Tectonic Zone of Nigeria Delta Deep Water Area**--Han Wenming\* Du Xiangdong and Yu Shui

3:10 PM **Dolomite Reservoir Prediction in the Jia No.2 Member of TongNanBa Area**--Yuxin Ji\* and Stephen Wei, Petroleum Exploration and Production Research Institute, Sinopec

3:35 PM **A New Definition of Seismic Resolution for Predicting Very Thin (1 m) Reservoirs in Layered Media**--Hongliu Zeng\*, Bureau of Economic Geology, John A. and Katherine G. Jackson School of Geosciences, The U of Texas at Austin

4:00 PM **Application of Seismic Sedimentology in Turbidite Fan's Study**--Liu Lihui and Li Bin

4:25 PM **Application of Petrophysics-based Prestack Inversion to Volcanic Gas Reservoir Prediction in Songliao Basin**--Gan Lideng, Dai Xiaofeng, and Li Linggao

## **IMAGING 2**

**Location: Hall 308**

1:30 PM **3-D shot-profile Kirchhoff fast beam depth migration**--Le-Wei Mo\*, Robert Shurtleff, and David Hays, Fairfield Industries, Inc

1:55 PM **Imaging in copressed domain using Dreamlets**--Ru-Shan Wu\*<sup>1</sup>, Bangyu Wu and Yu Geng<sup>1</sup>, Modeling and Imaging Lab, IGPP, University of California, Santa Cruz, CA 95064<sup>1</sup>Visiting from institute of Wave and Information, Xi'an Jiaotong University, Xi'an 710049, China

2:20 PM **Structure interpretation and PSDM workflow design through seismic modeling: A case study**--Qingbo Liao\*, Wenying Cai, Miguel la Cruz, Laszlo Benkovis and Francisco Ortigosa, Repsol

2:45 PM **Some problems in the application of inverse scattering series method**--Xiang Li\* and Tianyue Hu

3:10 PM **014Imaging research of Carbonate fracture-cave** --Tian Yancan, Wang Xiaowei and Lv Lei

3:35 PM--**Least-squares seismic data regularization with t-k domain prestack time migration**--Tang Yaxun, Wang Huazhong, and Zheng Xiaopeng\*

4:00 PM--**Quantitative Analysis of Seismic Reflection for Geological Anomaly with Small Size**--ZHU Shengwang\*, WEI Xiucheng, QU Shouli, LIU Chunyuan, SINOPEC, Petroleum Exploration & Development Institute

## **SPECIAL SESSION: SEDIMENTOLOGY**

**Location: Hall 311**

1:30 PM **Seismic Sedimentology: Concepts and Challenges**--Hongliu Zeng\*, Bureau of Economic Geology, John A. and Katherine G. Jackson School of Geosciences, The U of Texas at Austin; Bingheng Yuan, BGP Inc., CNPC

1:55 PM **Seismic Reservoir Characterization of Thin-Bed Sandstone in CI Reservoir of TZ4 Oilfield, Tarim Basin**--Ling Dongming, Wang Guizhong, and Ma Yunsheng

2:20 PM **Stratal Slice-Derived Depositional History of Sha-1 to Minghuazhen Sequences in Qinan Sag, Huanghua Depression**--Dong Yanlei \*, Zhu Xiaomin and Bian Shutao

2:45 PM **Seismic Recognition Method of Channel sand body of Fuyang pay Zone in Songliao Basin : Nonmarine Seismic Sedimentology Interpretation Approach**--Zhang Erhua \*, Li Ang and Song Yongzhong

3:10 PM **Mapping Depositional Systems Using Seismic Sedimentology: A Case Study of Gold River North Field, Webb County, South Texas**--Li Xiupeng \*, Zeng Hongliu and Zha Ming

3:35 PM **Application of Seismic Sedimentology Method to Lithologic Trap Identification of Shinan Area in Junggar Basin**--Jia Mingzhen, Chen Yongjun and Guo Xuguang

4:00 PM **Application of Channel Sand Reservoir Characterization in Gangxi Area of Huanghua Depression, Bohai Bay Basin**--Mengling Zhou\*, Deshuang Chang, and Yuhua Ba

4:25 PM **From amplitude to architecture of braided channel bars: the sedimentologic interpretation of stratal slices in a shallow-sea seismic survey, DaGang**-- Zhang Xianguo, Lin Chengyan and Dong Chunmei

**26 April 2009**

### **ACQUISITION 3**

**Location: Hall 201A**

8:30 AM **The seismic acquisition technique based on research of pre-stack data: an example from sulige gasfield**--Li Boquan, Deng Shuquan and Wang Xuegang

8:55 AM **Integrated Study to image the gas reservoirs of the Pinghu Field in the South China Sea; First application of Q-Marine offshore China** --Tim Bunting\* and Mikael Garden, WesternGeco; Ben Flack and Leo Xue, Schlumberger; Gao Wei Xi, Zhang Hao, Liang Lian Xi, SPC

9:20 AM **A case of regular 3D seismic acquisition in loess mountain area**--An Shujie Wang Xinquan\*, and Xuzhanyong

9:45 AM **Seismic acquisition techniques for extremely thick loess areas and applications** --Luo Weidong, Zhang Xiaobin and Zhou Ming

10:10 AM **Seismic acquisition techniques in thick loess areas, southwestern depression of Tarim basin**--Juyong Yang, Xianghao Liang and Yimou Liu\*, Petrochina Tarim Oilfield Company, CNPC

10:35 AM **Technology of 3D Seismic Data Acquisition in Ake Gas Reservoir**--Li Boquan, Deng Shuquan and Wang Xuegang

11:00 AM **Image amplitude compensations: propagator amplitude recovery and acquisition aperture**--Jun Cao\* and Ru-Shan Wu, Dept of Earth and Planetary Sciences/IGPP, U of California

11:25 AM **Target-oriented efficient illumination imaging and acquisition design** --Wei Feng\*, Hua-zhong Wang and Ru-shan Wu

### **PROCESSING 1: DECONVOLUTION, NOISE**

**Location: Hall 201B**

8:30 AM **The analysis and research on multi-refraction in HuaBei area**--Tang ChuanZhang, Yuan ShengHui\* and Bai XuMing

8:55 AM **Frequency recovery of band-limited seismic data based on sparse spike train deconvolution and lateral coherence constraint**--Wen-kai Lu\*

9:20 AM **Curvelet Transform and its Application in Seismic Data Denoising**--Zhang Junhua\*, Liang Xiaoteng and Fu Jinrong

9:45 AM **The S/N evaluation of high-density seismic data after bin-divisible processing**--Zhang Junhu\* , Zhao Y and Shan Lianyu

10:10 AM **Model based noise analysis and suppression** --An Shujie, Wang Xingquan and Meng Yinlong

10:35 AM **Elastic interferometry by multi-dimensional deconvolution in the presence of intrinsic losses and uncorrelated noise**--Joost van der Neut\*, Kees Wapenaar, Jan Thorbecke and Evert Slob, Delft U of Technology

11:00 AM **How can we design reliable decon operators for noisy 3-D land data**--Necati Gulunay\*, Nigel Benjamin, and, Adel Khalil, CGGVeritas

11:25 AM **Deghost based on maximization of non-gaussianity**--Xuan Mo\* and Wen-kai Lu

## **RESERVOIR GEOPHYSICS 1**

**Location: Hall 307**

8:30 AM **Seismic Recognition Method of Channel sand body of Fuyang pay Zone in Songliao Basin : Method of Microsedimentary Facies Prediction by Quantization of Multiple Seismic Attributes Based on Sedimentary Model**--Song Yongzhong, Shen Jiagan and Yu Xinghe

8:55 AM **Logging characteristics of fractured reservoir in Archean metamorphic buried hill of JZS Oilfield in Bohai Bay, P.R.China** --Jinxu Xu\*, Hongzhi Lu and Shuchun Cao

9:20 AM **Velocity calibration for microseismic monitoring: a very fast simulated annealing approach**--Donghong Pei\*, John A. Quirein, Bruce E. Cornish, Dan Quinn and Norman R. Warpinski, Halliburton

9:45 AM **The Application of Comprehensive Fracture Prediction Technology in Carbonate Rock: a case study of Ordovician burial hill fractured reservoirs in NP oilfield** --Xie Zhan'an, Liu Shuhua and Wang Tongkui\*

10:10 AM **Application of a 3D seismic data image processing and analysis technique to fracture identification of Nanyishan area, Qaidam Basin** --Feng Ming-you , Hu Zi-duo and Zhang Qiao-feng

10:35 AM **What are Gas Hydrates and How to Locate and Characterize it: an exploration model and validation by drilling in the Gulf of Mexico, USA**--Nader Dutta and Jianchun Dai, Schlumberger

11:00 AM **The key techniques of low permeability gas reservoir seismic prediction and application in SLG**--Dong Xuehua, Gao Jianhu and Wang Daxing

11:25 AM **Integrated seismic reservoir characterization using Q-Marine data to identify lithology and fluids in Pinghu clastic formation, East China Sea**--Xue Lei\* and Ben Flack, Schlumberger; Tim Bunting and Mikael Garden, WesternGeco; Liang Lian Xi, Weiyl Gao and Hao Zhang , Shanghai Petroleum Co. Ltd.

## **IMAGING 3**

**Location: Hall 308**

8:30 AM **Asymmetric Travel-Time Prestack Migration Method**--Liu Hong\* , Liu Guofeng, and Li Youming

8:55 AM **A computing scheme of 3D Fourier migration on Graphics Processing Unit**--Shu-Qin Wang, Institute of Information Engineering, Central U of Nationalities; Jin-Hai Zhang\* and Zhen-Xing Yao, Institute of Geology and Geophysics, Chinese Academy of Sciences

9:20 AM **Research and application of pre-stacked migration with the common reflection angle**--Liu Wenqing, Wangxiwen and Wang Xiao, et al.

9:45 AM **Research and Application of Amplitude-preserved Split Step Fourier Pre-stack Depth Migration Method**--Lv Bing, Wang Xiwen and Yong Xueshan

10:10 AM **Visco-acoustic offset plane-wave finite-difference prestack time migration**--Bo-Feng\* and Huazhong-Wang

10:35 AM **Calculation of asymmetry traveltime for prestack time migration adaptive to strongly lateral varied media**--Liu Hongwei \*, Liu Hong and Li Youming

11:00 AM **Kirchhoff pre-stack time migration of PS-wave data for a layered anisotropic medium**--HUANG Zhong-Yu\*, QU Shou-Li and WANG Yu-Jing

## **BOREHOLE GEOPHYSICS**

**Location: Hall 201A**

1:30 PM **A new and validated method for the inversion of shear anisotropy from cross-dipole logs**--Pei-cheng Xu\*, Datatrends Research Corp; Jorge O. Parra, Southwest Research Institute

1:55 PM **Acoustic scattering of plane P-wave on a cased borehole**--Qiu Changchun, Zhang Yujun and Zhang Bixing

2:20 PM **Method and algorithm to determine the geo-stresses regime factor Q from borehole sonic measurement**--Vivian Pistre, Gong Rui Yan\*, Bikash Sinha and Romain Prioul, Schlumberger

2:45 PM **Drilling Wells the Seismic Way: Hazard avoidance and well placement from Borehole Seismic While Drilling**--Charles P Deri\* and Andy Hanwthorn, Schlumberger

3:10 PM **Evaluation of in situ stress of reservoir by using cross-dipole acoustic logging data and its application in the development of injection wells**--Huang Baohua\*, Chen Hao and Zhang Xiumei

3:35 PM **Finite-difference simulation of acoustic log in 3D Heterogeneous VTI with Attenuation** --Egor Lys\*, Vadim Lisitsa, Institute of Petroleum Geology & Geophysics of SB RAS; Galina Reshetova, Institute of Computational Math. & Mathematical Geophysics of SB RAS; Vladimir Tcheverda, Institute of Petroleum Geology & Geophysics of SB RAS

4:00 PM **The crosshole seismic tomography and its software development** --Qu Chen, Chen Shaoqiang and Chen Benchu

4:25 PM **Wavefield separation of large array 3D3C VSP data in time domain**--Chen Yuanzhong, Guo Xiaoling and Xu Zhengshun

## **PROCESSING 2**

**Location: Hall:201B**

1:30 PM **An application study of Q-absorption compensation**--Li Hequn\*, Zhao Bo and Tang Bowen

1:55 PM **Amplitude-preserving calibration of PP- and PS-wave reflection events**--Feng Zhang\* and Yanghua Wang, Centre for Reservoir Geophysics, Department of Earth Science and Engineering, Imperial College

2:20 PM **An improved peak-frequency-shift method for Q estimation** --Ning Tu\* and Wen-kai Lu

2:45 PM **Upward continuation with TDO: the integrated wave equation datuming scheme revised**--Kai Yang\*, Hai-Bo Mao, and Zai-Tian Ma\*

3:10 PM **Trial and progress of PetroChina onshore multi-component seismic techniques**--Zhao Bangliu, Zhang Ming\* and Gan Lideng

3:35 PM **Subbasalt seismic processing strategy for the GlyVeST data from the Faroes** -- a modeling study-- Khanh Duc Nguyen\* and Jim Brown, U of the Faroe Islands

4:00 PM **Discussion of Well Control Processing and Quality Control Technologies Based on Geological Targets**--Yang Xiao-hai\*, Chen Zhi-gang and Zheng Hong-ming

4:25 PM **Geophysical and geological QC in seismic data processing**--Gao Jun\*, Ling Yun and Sun Desheng

## **RESERVOIR GEOPHYSICS 2**

**Location: Hall:307**

1:30 PM **A study of reservoir seismic simulation in inhomogeneous media**--Liu Tao\* and Hu Tianyue

1:55 PM **Reservoir Detection Based on EMD and Complexity of Waveform**--Wen Xiao-tao\*, HE Zhen-hua and Huang De-ji

2:20 PM **Quantitative Reservoir Characterization of PM3 Block, Malay Basin**--Y. Mi, A. Ruiter and R. Quinn, Talisman Malaysia Ltd

2:45 PM **Improved Methods for Hydrofrac Event Detection and Phase Picking**--Fuxian Song\*, Sadi H. Kuleli, Nafi M. Toksoz, and Haijiang Zhang, Massachusetts Institute of Technology; Bruce Cornish, John Quirein, Donghong Pei and Steve Zannoni, Halliburton Energy Services Co

3:10 PM **4-D viability demonstration in SAGD test area , Liaohe Oil Field**--Wang Dan\*, Liu Bing and Liang Shaobo

3:35 PM **Passive seismic tomography using induced seismicity at a petroleum field in Oman**--Haijiang Zhang\*, Sudipta Sarkar, M. Nafi Toksoz, and H. Sadi Kuleli, Massachusetts Institute of Technology; Fahad Al-Kindy, Petroleum Development Oman

4:00 PM **Application of KL Transform of Phase Space in Deep Volcanic Gas Reservoir Explorations**--Cui Fenglin, Zhang Xiangjun and Wu Xiaoquan

4:25 PM **The Application of Walk-away VSP in Reef & Oolitic Reservoir Characterization**--Cao Libin\*, Wu Furong, Li Zhirong

## **IMAGING 4**

**Location: Hall:308**

1:30 PM **Prestack time migration from rugged surface topography** --Zhu Haibo , Fang Wubao and Jing Penggui

1:55 PM **Kirchhoff integral PSTM from rugged topography**--Cai Jiexiong, Wang Huazhong and Zhang Yuanqiao

2:20 PM **Surface consistent full wave imaging from topography for complex structures**--Xiaogui Miao, CGGVeritas

2:45 PM **Undulating Surface-based Wave Equation Prestack Depth Migration Technology and Applications**--Aiping Chen\*, Yalin Li and Guangming He

3:10 PM **Steep-dip imaging using an orthogonal one way wave-equation migration**--Yong Sun and Hongwei Wang, Geotrace Technologies

3:35 PM **Quantitative assessment of heterogeneities of complex structures in terms of propagators**--Li-Yun Fu, Key Lab of the Earth's Deep Interior, Institute of Geology and Geophysics, Chinese Academy of Sciences

4:00 PM **3-D tomographic amplitude inversion for compensating amplitude attenuation due to shallow gas**--Kefeng Xin\*, Barry Hung, Sergey Birdus and James Sun, CGGVeritas.

4:25 PM **Research and Application of Velocity Model Building and Time Migration for 3-D Pre-stack Convert-wave**--Wang Yuchao , Liu Wenqing and Yong Xueshan

**27 April 2009**



## **ENGINEERING / MINING / NEAR-SURFACE GEOPHYSICS**

**Location: Hall 201A**

**8:30 AM Interactive 3D forward modeling of the surface and three-component magnetic data for the Daye iron-ore deposit (China)**--Li Yuanyuan\*, Yang Yushan and Liu Tianyou, Institute of Geophysics and Geomatics, China U of Geosciences

**8:55 AM Assessment and management of Cluster Munition and other Unexploded Ordnance (UXO) risk in exploration and similar projects**--Carl Chirgwin\*, CSG Demining Consultants

**9:20 AM High precision 3D seismic exploration techniques of the large mining city zone in eastern China**--Qiu Yi\*, Bai Xuming and Tang Chuanzhang

**9:45 AM Integration of geophysical surveys with processing, inversion and modelling techniques for archaeological prospection. Case studies: Meroe city and Musawwarat es sufra**--Mohamed Ali\* and Sun Heping, Institute of Geodesy & Geophysics, Chinese Academy of Science; Hans Burkhardt, Department of Geophysics, TU

**10:10 AM Microzonation amplification mapping at Sleman regency, province of Daerah Istimewa Yogyakarta, Indonesia using Horizontal to Vertical Spectral Ratio (HVSZ) method**--Feisal Dirgantara\*, Geophysics Sub-Department of Gadjah Mada U

**10:35 AM The use of airborne EM to search for nickel deposits; three examples from Canada and**--Witherly, Ken--Ken Witherly, Condor Consulting, Inc.

**11:00 AM The search for uranium deposits using airborne EM in the Athabasca Basin, Saskatchewan**--Ken Witherly, Condor Consulting, Inc.

**11:25 AM Detection and analysis of near-surface layer effects in land seismic exploration**--Lu Cong-de\*, Ling Yun and Gao Jun

## **PROCESSING 3**

**Location: Hall:201B**

**8:30 AM Applications of two-dimensional high-order seislet transform**--Yang Liu\* and Sergey Fomel, The U of Texas at Austin

**8:55 AM Technology of Improving Surface Seismic Data Resolution Using Crosswell Seismic Data**--Qingfeng Kong, Keke Shan\* and Jianguo Song,

**9:20 AM Research on Stacking Method of Common Imaging Gather**--CHENG Zhi-guo\* , FAN Xu and ZHENG Hongming

**9:45 AM Seismic data reconstruction investigation by a new two-step algorithm**--Ying Shi\*, and Hong Liu

**10:10 AM High frequency restoration of surface seismic data utilizing logging data**--Liu Haojie, Wang Yanguang and Han Wengong

**10:35 AM The influence of modern sedimentary channel on seismic data and the investigation methods**--Cui Shitian, Deng Zhiwen and Liu Cunxi\*,

**11:00 AM On-land Converted Wave Static Correction**--Cui Shitian\*, Deng Zhiwen and He Yong

**11:25 AM Influence of time-variant near-surface structure and piece-jointed static correction technique**--Deng ZhiWen, ,Bai XuMing\*and Li Haidong

## **ROCK PHYSICS 1**

**Location: Hall:307**

8:30 AM **Numerical Simulations of Large Dielectric Enhancement in Some Rocks**--Miao Luo\*, China U of Geosciences; Ce Liu, Well Logging Lab, U of Houston

8:55 AM **Equivalent Porosity Model & Reservoir Characterization for Fracture/Vuggy Carbonate Reservoir**--Li Zongjie \*, Feng Chen and Jiang Jinyong

9:20 AM **Analysis and Interpretation of Geotechnical Data for Over~Pressure Detection – a study on KG Basin, India**--Sanjay Surya Yerramilli\* and Rameshchandra Yerramilli, Students; C.K.Jain, Visiting Professor, U of Petroleum and Energy Studies, Dehradun, India

9:45 AM **Pore heterogeneity induces double-porosity in Guang'an sandstone**--\*Jing Ba, Hong Cao, Fengchang Yao, and Zifang Yang, RIPED, PetroChina; Jianxin Nie, RIPED, PetroChina and State Key Lab of Explosion Science and Technology, Beijing Institute of Technology

10:10 AM **Model on damage mechanics in porous media**--Wenhui Yu\*, Zhihui Zou and Qu Zan

10:35 AM **Impedance Attribute Interpretation and Rock Physics**--Joanne Wang and Duane Dopkin, Paradigm--  
**Withdrawn**

11:00 AM **Experimental Research on the Rock Electrical Parameter Dispersion Properties in Displacement Process**--Zhang Tiexuan\*, Xiao Zhanshan and Zhu Shihe

11:25 AM **Electrical Properties of Reservoir Rocks By Digital Rock Experiments**--YUE Wenzheng, TAO Guo\* and WANG Shangxu, State Key Lab of Petroleum Resource and Prospecting, Key Laboratory of Earth Prospecting and Information Technology, China U of Petroleum; YI Min, Xi'an plant, Steam Co of Xinjiang oil CO.Ltd

## **INVERSION 1**

**Location: Hall:311**

8:30 AM **Multi-scale Parameter Space Partition optimization method for geophysics inversion**--Weitao Sun\*, Zhou Pei, Yuan Center for Applied Mathematics, Tsinghua U

8:55 AM **Acoustic Impedance Inversion Based on Improved Particle Swarm Optimization Algorithm**--Wu qiubo\*, He guangming and Tao zhengxi

9:20 AM **Mixed-phase wavelet estimation using unwrapped phase of bispectrum**--Feng Zhang\* and Yanghua Wang, Centre for Reservoir Geophysics, Imperial College London; Xiangyang Li, British Geological Survey

9:45 AM **Discussions on resolution limit in seismic inversion**--Pingping Zhang\*, Zhanghong Shen and Hongtao Shen

10:10 AM **4D seismic inversion designed for direct simulation model comparison**--Weisheng He\* and Colin MacBeth, Institute of Petroleum Engineering, Heriot-Watt U

10:35 AM **Pre-stack Multi-angle Three-parameter Synchronous Inversion Method**--Wang Yumei, Wang Xiping and Shen Guoqiang

11:00 AM **Nonlinear Simultaneous PP and PS AVO inversion based on Zoeppritz equations**--Tintion Chen\*, Stephen Wei and Lihua Jia, Petroleum Exploration and Production Research Institute, SINOPEC

11:25 AM **Well Constraint Study in Thin-bed Reservoir Post-stack Inversion**--Xi Xiaoyu\*, Ling Yun and Sun Desheng

## **SEISMIC ATTRIBUTES**

**Location: Hall:201A**

1:30 PM **Seismic attribute optimization based on kernel principal component analysis**--Guangzhi Zhang, Guoying Kong\* and Jingjing Zheng

1:55 PM **Fluid Attributes Sensitivity Analysis Research**--Zou Wen, Chen Ai-ping and Li Ya-Lin,

2:20 PM **Application of pre-stack elastic parameters crossplot technology in gas-bearing reservoir prediction**--Wang daxing, Zhang Mengbo and Zhang Mengli\*

2:45 PM **Multiattribute RGBA color blending of principal components**--Wang Zhiguo\*, Yin Cheng and Ding Feng

3:10 PM **Dimensionality reduction and feature extraction from seismic spectral decomposed data using independent component analysis**--Yandong Li\*, Xiaodong Zheng and Jinsong Li., Research Institute of Petroleum Exploration & Development, PetroChina Co Ltd

3:35 PM **An integrated study on fractured and cavernous carbonate reservoir prediction – multi-attribute optimization discriminant analysis for Tarim Basin**--Sam Zandong Sun\* and Lifeng Liu, Lab for Integration of Geology and Geophysics (LIGG), China U of Petroleum

4:00 PM **Application of Seismic Attributes Identifying Thin Sand Body : Putaohua Formation in Sanzhao Sag of Songliao Basin**--Guan Xiaowei\*, Shen Jiagang and Pei Mingbo

4:25 PM **A method of coherence cube enhancement using histogram specification** --WangJi\* and Lu Wenkai

## **MODELING**

**Location: Hall 201B**

1:30 PM **Approximate PP Reflection Coefficient in TTI Media**--Liang Kai\*, Yin Xing-yao and Wu Guo-chen

1:55 PM **Optimization for fast ray tracing in block structure models**--Bian Aifei \*, Yu Wenhui and Cao Libin

2:20 PM **A new time-space domain high-order finite-difference method for acoustic wave equation**--Yang Liu\*, State Key Lab of Petroleum Resource and Prospecting, China U of Petroleum and The Institute for Geophysics, John A. and Katherine G. Jackson School of Geosciences, The U of Texas at Austin; Mrinal K. Sen, The Institute for Geophysics, John A. and Katherine G. Jackson School of Geosciences, The U of Texas at Austin

2:45 PM **Simulation of scattered wavefield via finite-differences on locally temporal-spatial refined grids**--Valery Khaidukov and ,Vadim Lisitsa\* Institute of Petroleum Geology & Geophysics of SB RAS; Galina Reshetova, Institute of Computational Math. & Mathematical Geophysics of SB

3:10 PM **2-D frequency-space domain finite-difference elastic-wave modeling using compressed storage format** --Jianping Liao\*, Huazhong Wang and Zaitian Ma

3:35 PM **Implementation of Lebedev scheme to numerical simulation of waves propagation in 3D anisotropic elastic media**--Vadim Lisitsa and Dmitry Vishnevsky\*, Institute of Petroleum Geology & Geophysics of SB RAS

4:00 PM **Nonlinear optimal approximation of square root for one-way wave equation**--Biaolong Hua\*, Total-CSTJF; George McMechan, U of Texas at Dallas; Henri Calandra, Total-CSTJF

4:25 PM **A method for computing the 2D seismic traveltime including the surface topography by combining the linear interpolation and the narrow band technique**--Jianguo Sun\*, Zhangqing Sun and Fuxing Han

## **ROCK PHYSICS 2**

**Location: Hall 307**

1:30 PM **Pressure and Partial Saturation Effect on the Complex Resistivity of Reservoir Rock**--Hilfan Khairy, and Zuhair Zahir Tn. Harith\*, U Teknologi PETRONAS; Umar Fauzi, Institut Teknologi Bandung

1:55 PM **Effect of Compaction History on Pore Pressure Prediction**--Qiuliang Yao \*and De-hua Han, U of Houston

2:20 PM **Pressure-dependent AVO response of fractured-aperture rock**--Xiaoyu Shen\*,Jinfeng Ma and Binfeng Pan

2:45 PM **A hybrid rock physics model for reservoir characterization based on hydraulic units**--Mohammad Emami Niri \* and Ali Misaghi, Dana Geophysics Co.

3:10 PM **Study on Petrophysical Features of Deep Glutenite to Predict Gas Reservoir : A Case Study in Minfeng Sub-sag, Dongying Sag** --Li Hongmei, Wang Hong and Wang Shugang

3:35 PM **Rock physics Modeling & Reservoir Characterization for DaQing Volcanic Reservoir**--Chen ShuMin, Li LaiLin and Chen Feng\*

4:00 PM **Shear Velocity Estimation Using Gassmann Equation**--Jiajin Liu\* and De-hua Han

4:25 PM **Rock physics analysis of deep volcanic rocks in Daqing Oilfield**--Zhao haibo, Cheng De-an, and Li lailing

## **INVERSION 2**

**Location: Hall:311**

1:30 PM **Multi-component Joint Inversion Technique and Application**--Fu Zhiguo\*, Li Zhong and Xie Fang

1:55 PM **Prestack inversion to predict porosity and recoverable reserves in a lithologically variable carbonate reservoir**--Eric Newman, Newfield Exploration\*; Vasili Kuznetsov, Fugro-Jason

2:20 PM **The application of Lamé parameters direct inversion based on EI for reservoir prediction**--Hao Qianrong\*, Yin Xingyao and Zhang Fanchang

2:45 PM **Influential Factors of Post-stack Seismic Inversion**--Sun Desheng\*, Ling Yun and Xi Xiaoyu

3:10 PM **Waveform inversion for Q structures from the surface seismic and walkaway VSP data**--Yang Yushan\*, Li Yuanyuan and Liu Tianyou, Institute of Geophysics and Geomatics, China U of Geosciences

3:35 PM **Estimation of elasticity tensor from the inversion of traveltimes in spherical shale samples**--Dariush Nadri\*, CSIRO Petroleum; Andrej Bóna, and Miroslav Brajanovsky, Curtin U of Technology

4:00 PM **Mu-rho direct inversion for volcanic rock reservoir prediction: a case study of the Dinan Field, Junggar Basin**--Yang Jianli \*, Mao Haibo and Chang Xinwei

4:25 PM **Impedance Inversion Method Constrained with Crosswell Seismic Data** --Danping Cao, Xingyao Yin and Fanchang Zhang

## **POSTER SESSIONS**

**Location: BICC, Second Level, Exhibit Hall**

**25 April 2009**

**8:30--11:30AM**

8:30 AM **A new method for analyzing vibroseis harmonics based on overloads statistics**--E dianliang, Guan Yezhi\* and Zhang Mugang

8:50 AM **The experiment and analysis of geophone based on Fiber Bragg Grating**--Wu Xuebing ,Liu Zhitian and Ning Jing

9:10 AM **Determination of heavy oil viscosity as a function of the ratio of log means of T1 to T2 NMR relaxation times distributions**--Pedro A. Romero\*, Benito Saavedra, Hyung T. Kwak and Gabor Hursan, Baker Hughes, Inc.

9:30 AM **Optimization of Converted Wave 3D3C Seismic Acquisition Geometry for Fissured Gas Reservoir**--Xu Xiangrong\* and Tang Jianming

9:50 AM **Seismic data impact analysis of operating in summer and winter in onshore large water area**--Yusheng Zhang\*, Zhiwen Deng and Guang Da Yang

10:10 AM **Method of Surface Investigation and Statics for Maye3D, Chad**--Li Lei\*, Liang Deyong and Dai Yun

10:30 AM **Improved Gauss-Seidel method in near-surface statics correction**--Yan Zhihui\*, Feng Zeyuan and Guo Mingjie

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8:30 AM **Joint application of refraction static correction and tomographic inversion static correction**--Hou Xichang\*, Feng Zeyuan and Ma Qingpo

8:50 AM **Discussion on generalized spatial resolution and its application**--Chen Haolin\*, Ni Chengzhou and Xing Xiaojun

9:10 AM **Air-gun array far-field signature simulation and its application**--Chen Haolin\*, Ni Chengzhou, and Liu Yuanying

9:30 AM **One Case on Resolution Improvement of 3D Seismic Acquisition**--Hou Yong , Gui ming and Liu Qiulin\*

9:50 AM **Acquisition parameter optimization for improving resolution in AD block**--Jianhui Xue\*, Xiwei Cai and Shanli Guo,

10:10 AM **Research on Innovation of New Business Model of International Geophysical Company**--Zheng Huasheng, Niu Yan and Sun Wangmin

10:30 AM **Building and Application of Surface Structure Database for Complicated Mountainous Area**--Lv Jingfeng\*, Wang Naijian and Li Zhenhua

#### **Apr. 25 , 1:30--4:30 PM**

1:30 PM **Seismic Recognition Method of Channel sand body of Fuyang pay Zone in Songliao Basin: General S Transform Spectral Decomposition**--Li Ang, Shen Jiagang and Jin Guoping

1:50 PM **Removing Surface Wave by Cross-Spread Technology and Application**--WU Hua\*, LI Yan-feng and Ren Chao-fa

2:10 PM **Converted-wave angle-domain amplitude preserving common image-gathers**--Li-yan Zhang\*, Jian-min Wang and Liu Yang

2:30 PM **Analysis and application of pseudo-offset method in the anisotropic Converted wave prestack time migration**--Li-Yan Zhang, Liu Yang and Shu-Min Chen

2:50 PM **The 3D converted wave seismic data processing in Lamadian area of Daqing oilfield**--Gui-Shui Wang\*, Zhi-De Chen and Li-Yan Zhang

3:10 PM **A method of removing fold effect for pre-stack time migration of merged data and its application**--Wu Qingling, Li Lailin and Chen Bin

3:30 PM **Seismic Recognition Method of Channel sand body of Fuyang pay Zone in Songliao Basin : High resolution seismic data processing based on relative preservation of amplitude and waveform**--Chen Shumin, Zhang Erhua and Ling yun

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1:30 PM **Research and Application of Wave Equation Forward Model**--ZHENG Hong-ming\*, LOU Bin and JIANG Li

1:50 PM **The Application of Common-Reflection-Surface Stacking Method (CRS-OIS)**--LOU Bing\*, ZHENG Hong-ming and GUO Hong-xian

2:10 PM **Application of Well-Driven Seismic in Tazhong area**--Yang juyong , Xiao youjun and Peng gengxin

2:30 PM **Design and realization of ButterWorth Filter**--Li Weibo\*, Wang huazhong and Li Peiming

2:50 PM **Prestack reverse-time depth migration of arbitrarily wide-angle wave equations**--Zhang Jianjun\*,He Bingshou and Gao Guocheng

3:10 PM **Elimination of the monofrequency interference based on an adaptive subtraction**--Gao Shaowu\*, Luo Guoan and Zhao Bo

3:30 PM **Recognition and reconstruction of low-frequency abnormal amplitude of MEMS-based sensor**--Chen Haifeng\*, Lei Na and Li Yanpeng

**26 April 2009**

**8:30--10:30AM**

8:30 AM **An Improved Method for Mixed-phase Deconvolution**--Zhaogui Ma\* and Shangxu Wang

8:50 AM **The Development of Parallel Computer on the Desk based on GPU Used in Seismic Data Processing**--Guofeng Liu\*, Hong Liu and Xiaolong Tong,

9:10 AM **Coherent noise attenuation using radial trace transform and plane-wave construction**--Guochang Liu\*, China U of Petroleum and the Uy of Texas at Austin; Xiaohong Chen and Jing Du, China U of Petroleum; Yang Liu, Jilin U

9:30 AM **High density spatial sampling seismic data processing technology research and application**--Qin Xiaohua\* , Li Hong and Cai Xiling

9:50 AM **Finite-difference 3D-3C modeling in anisotropic 2.5D medium**--Wang Su\*, UNUSUAL Science and Trade Ltd.; A.Kostyukevych, Tesseral Technologies Inc.; N. Marmalevskyi, and Y. Roganov, Ukrainian State Geological Prospecting Institute; V. Tulchinsky, Glushkov Institute of Cybernetics NASU

10:10 AM **A method of accelerating seismic Pre-stack time migration by GPU**--LI Bo\*, LIU Guo-feng and LIU Hong.

10:30 AM **Angle domain common imaging point gathers during Kirchhoff PSTM**--Zhen Zou\*, Hong Liu and Xiao Liu Wang

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8:30 AM **Calculation of spectral attribute based on the weak signal separation method**--Yang Sannv\*, Qin Gangping and Deng Lin

8:50 AM **The Identifying Method and Its Application of Subtle Hydrocarbon Reservoir in Central Junggar Basin**--Shi Hui, Wang Baocai and Shen Xiangcun

9:10 AM **An Introduction to Over/under Data Processing Methods**--Amir Semnani\* and Haleh Karbalaali, Abadan Institute of Technology, Petroleum U of Technology; M.A. Riahi, Institute of Geophysics, U of Tehran

9:30 AM **Single trace signal enhancing based on PWVD technique**--Xia Hong, Rui, Zhang, Nai xun, Dong Jiang wei

9:50 AM **Ray-count weighted multi-scale tomography**--Hongmei Cao\*, Jing Xie, and Young Kim, TGS-NOPEC; Wei Zhou, Texas Tech U

10:10 AM **Numerical simulation and location analysis of microseismic events**--Rong Jiaojun\*, Li Yanpeng and Chen Junwu

10:30 AM **P-wave attenuation anisotropy in fractured media: a seismic physical modelling study**--Ekanem, A. M.\*, U of Edinburgh and British Geological Survey; Wei, J., Wang, S., Di, B., China U of Petroleum; Li, X-Y., U of Edinburgh and British Geological Survey

#### **1:30--4:30 PM**

1:30 PM **All digital seismic pre-stack elastic parameters crossplot technology and application**--Wang daxing\*, Zhang Mengbo and Zhang Mengli, PetroChina Changqing Oilfield Co

1:50 PM **Distribution Regularity of Deep-seated Hydrocarbon Resources in Volcanic Rocks in Songliao Basin of China and Integrated Appraisal Methods of Exploration Prospects**--Yang Hui, Wang Ling and Wen Baihong

2:10 PM **Interpretation Techniques for Lithologic Seismic Exploration in Hailar Basin**--Wang Jianmin, Chen Shoutian\* and Chen Bo

2:30 PM **Seismic recognition method of channel sand body of Fuyang pay zone in Songliao Basin: Technology of Hydrocarbon detection from Seismic attributes**--Jia Wo\*, Song Yongzhong and Shi Lizhi

2:50 PM **Study of pre-stack simultaneous inversion and its application for volcanic rock reservoir**--Xiaohua Tang, Dean Cheng and Jinlong Lv

3:10 PM **Seismic identification of lithofacies of Carboniferous volcanic rocks in Dinan Swell of Junggar basin**--Gu Xin-ping\*, Yang Di-sheng and Li Lin

3:30 PM **Application of New Technologies of Seismic Exploration in Oil & Gas Exploration of Lithologic Traps**--Peng Wen-li\*, Zhi Dong-ming and Dang Yu-fan

3:50 PM **The Quantitative Study of in-depth Shore Deposition System and Evolution Using 3-D Seismic Information**  
**The Quantitative Study of in-depth Shore Deposition System and Evolution Using 3-D Seismic Information**--Ni Jinzhong\*, Li Xiaomei and Lu Yongchao

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1:30 PM **Pre-stack and post-stack attributes analysis of volcanic reservoir in WCW area**--Liu Wanhui\*, Yu Baoli and Liu Hong

1:50 PM **Tarim basin Kuqa depression piedmont complex structural interpretation technology** --Wang Guizhong, Wang Zhiyong and Gu Yongxing,

2:10 PM **Methodology of 3D velocity-variant depth mapping in complex fault-block area : a case study of Qintong depression**--Changpeng Yu\*, Wenhui Yu, and Zan Qu

2:30 PM **Analysis of reef interpretation traps caused by complicated surface**--Xiaojun Xiong\*, Zhenhua He and Yu Huang

2:50 PM **Marine-facies gas reservoir identification by numerical seismic modeling**--Zhao Mingjin\*, Yang Shaoguo and Zheng Qiming

3:10 PM **The Identifying Method and Its Application of Subtle Hydrocarbon Reservoir in Central Junggar Basin**--Shi Hui, Wang Baocai and Shen Xiangcun

3:30 PM **Technology of Prestack Time Migration For Converted Wave and Its Applications** --Ma Zhaojun , Tang Jianming and Xu Xiangrong

**27 April 2009**

**8:30--10:30AM**

**8:30 AM Research on Seismic Prediction Technologies of Low-Permeability Reservoir in Hongliuquan Area of Qaidam Basin**--Du Binshan, Chao Zhenglin and Zhang Peng

**8:50 AM The Technology and Application of Integrated Seismic-geology Prediction of Weathering Crust Karst Reservoir, Lower Ordovician, in the Northern Slope Zone of Tazhong Area** --WANG Hong-bin, ZHANG Hu-quan and SUN Dong

**9:10 AM Identification and prediction for deep-buried volcanic rock in superimpose basin**--Xu Ligu, Xia Yiping and Liu Wanhui

**9:30 AM Hydrocarbon reservoir identification technology and its application based on low frequency shadow**--Lien Bian\*, Zhenhua He and Deji Huang

**9:40 AM Research for application of fluid identifying of pre-stack seismic data**--Wang Dong \*, He Zhenhua, and Huang Deji

**10:10 AM Reservoir imaging using instantaneous spectral components in Broad frequency band**--Chen Xuehua, He Zhenhua and Wen Xiaotao

**10:30 AM Application of Combined PP/PS Wave Inversion in the Prediction of Deep Tight Clastic Rock Reservoir in the Area of West Sichuan**--Ye Taira, Xu Xiangrong, John Tinnin

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**8:30 AM Method of seismic interactive velocity analysis**--Li Qin \*, Feng Hong and Li Qingchun

**8:50 AM Imaging and Inversion by Inverse Scattering Iterative Method** --Ding Ke, Dong Teng and Song Shougen

**9:10 AM The Application of 3D Pre-stack Depth Migration Technique in Central Sichuan**--Wang Cuihua, He Guangming and Zhang Fan

**9:30 AM Splitting Estimation and Compensation of Converted Wave in Multilayer Fracture Media: A Numerical Modeling Study**--Cheng Bingjie\*, Tianji Xu and Jianming Tang

**9:50 AM Multi-attribute Seismic Inversions Based on PNN Neural Network**--Liu Jinping\*, Wang Yunqing and Yang Maoxin

**10:10 AM 3D3C Application in Prediction of Fractures of Deep-seated Tight Reservoir : An Example of Gas Exploration in Member 2 of Upper Triassic Xujiahe Formation, Xinchang Gas Field**--Tang Jianming\*, Xu Xiangrong and Li Xiangui

**10:30 AM Application of complex structure modeling in tectonic stress field simulation**--Keyou Li\*, Shihui Zhang and Wenhui Yu

**1:30--4:30 PM**

**1:30 PM Engineering scale cross-hole seismic tomography ~ a case history**--Richard Hale\* and Jin Ying Xin, EGS (Asia) Ltd

**1:50 PM Stress induced anisotropy in sandstone reservoir and shale overburden ~ AVO modeling**--Miroslav Brajanovski\*, Curtin U of Technology; Dariush Nadri, CSIRO Petroleum; Boris Gurevich, and Andrej Bona, Curtin U of Technology

**2:10 PM The Study on Logging Identification and Prediction Technique of Algal Limestone Reservoirs in Qaidam Basin**—A case of Yuexi Area--Li Yanli, Cao Zhenglin and Du Binshan



**2:30 PM Applications of Multi-azimuth VSP Technology in Reservoir Production for Well YI 45-1-3 at Target Area YI-45**--Zhang Hongxian, Liu Xuwu and Huang Xinwu

**2:50 PM Delineation of tight gas sands by 3D VSP PP and PSv waves** --Yousheng Yan, Zengkui Xu and Mingli Yi

**3:10 PM Logging evaluation technique for tight sandstone reservoir in Daniudi Gas Field**--Songyang Zhang, Xuying Qin and Zhiyuan Lu

**3:30 PM Research and application of waveform shaping to wide-angle reflection in cross-well seismic**--Wei Guohua, Kong Qingfeng and Zuo Jianjun

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**1:30 PM Elastic Reverse-time Migration of VSP Transmitted PS Waves**--Huang Yijian and Zhu Guangming

**1:50 PM Effect of Induced Polarization on Marine controlled-source electromagnetic in frequency domain**--Luo Weibin\* and LI Qingchun

**2:10 PM Preferential upward continuation and the estimation of its continuation height**--Lianghui Guo\*, Xiaohong Meng and Zhaoxi Chen

**2:30 PM The Gravity and Magnetic Field Characteristic in Shanxi Fault Basin Based on Wavelet Multi-resolution Analysis**--Liu Jinlan and Li Qingchun

**2:50 PM Subdividing Layering method in dispersion curves inversion of surface wave**--Shao Guangzhou\* and Li Qingchun

**3:10 PM Study of the height and detection of water flowing fractured zone in fully mechanized mining area**--Baishan Xu\*, Zhihong Li and Xiling Yin

**3:30 PM The electromagnetic near-surface inversion constrained by the uphole shooting in ZhenBa area** --Houcheng Yin, Xiaoxiong Chen and Zhuliu Su

**1:30 PM Forward Method for Magnetic Anomaly and Gradient due to Three-Dimensional Arbitrary Space Posture Regular Magnetic Body**--Hong Dong-ming<sup>1</sup>, Yao Chang-li<sup>1</sup> and Luo Yao