EAGE 64th Conference and Exhibition,
Florence, Italy,
27 - 30 May 2002

Poster Presentations

EAGE Business Office
Standerdmolen 10
PO Box 59
3990 DB Houten
The Netherlands

Telephone:  +31 30 6354066
Telefax:    +31 30 6343534
<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>PZ Summation - a Contractor Evaluation</td>
</tr>
<tr>
<td></td>
<td><em>M. Thompson</em> and L. Amundsen</td>
</tr>
<tr>
<td>08.55</td>
<td>Separation of P- and SV-Wavefields from Multi-Component OBC Data in the Tau-P</td>
</tr>
<tr>
<td></td>
<td>Domain</td>
</tr>
<tr>
<td></td>
<td><em>Y. Wang</em> and S.C. Singh</td>
</tr>
<tr>
<td>09.20</td>
<td>First Breaks Analysis for 3D Shear Seismic Refraction Statics</td>
</tr>
<tr>
<td></td>
<td><em>F. Martin</em>, R. Smith and J. Ward</td>
</tr>
<tr>
<td>09.45</td>
<td>A Proposed Workflow for Converted-Wave Event Registration - the Step between</td>
</tr>
<tr>
<td></td>
<td>Processing and Interpretation</td>
</tr>
<tr>
<td></td>
<td><em>R.R. Kendall</em> and J. Pullishy</td>
</tr>
<tr>
<td>10.10</td>
<td>Discussion</td>
</tr>
<tr>
<td>10.20</td>
<td>Estimating Vp/Vs from Pre-Stack Converted-Wave Correlation Analysis</td>
</tr>
<tr>
<td></td>
<td><em>M. Gonzalez</em></td>
</tr>
<tr>
<td>10.45</td>
<td>An Approach to Determine Subsurface Structure Using P-P and P-SV Reflections</td>
</tr>
<tr>
<td></td>
<td><em>G.P. Li</em>, A. Ziolkowski, D. Taylor and G. Hall</td>
</tr>
<tr>
<td>11.10</td>
<td>Converted-Wave Prestack Time Migration for VTI Media</td>
</tr>
<tr>
<td></td>
<td><em>W. Wang</em>, L.D. Pham and M. Lou</td>
</tr>
<tr>
<td>11.35</td>
<td>Sensitivity Analysis of Migration Velocities for P-S Converted Wave (C-wave)</td>
</tr>
<tr>
<td></td>
<td>Imaging</td>
</tr>
<tr>
<td></td>
<td><em>H.C. Dai</em> and X.-Y. Li</td>
</tr>
</tbody>
</table>
08.30 Time Images Derived from Refracted Wave Kirchhoff Migration
Y.V. Roslov*, A.N. Telegin, T.S. Sakouлина and I.M. Tikhonova

08.55 Static Correction in Desert and Loose Terrains
X.-C. Wei*, Y. Liu and X-Y. Li

09.20 A 3D Imaging Approach to Short-Wavelength Statics
X.H. Campman* and G.C. Herman

09.45 Bandwidth Migration with Fresnel Volumes
G. Bernasconi, C. Andreoletti* and G. Drufuca

10.10 Discussion

10.20 Multiple Suppression by Pre-stack Reverse Time Migration - a Nail in the Coffin
R. Mittet*

10.45 Adaptive Approximations for Multiple Suppression
T.A. Thompson* and B.M. Hartley

11.10 Application of SVD by Means of ICA
V.D. Vrabie* and J.I. Mars

11.35 Local Hilbert Transformation for Seismic Attributes
Anistotropy
4D Time Lapse Analysis

08.30 P031
Pressure-Dependent Anisotropy and Reflectivity of Porous Rocks with Aligned Fractures
E.A. Kozlov* and D.Y. Varivoda

08.55 P032
Seismic Signatures of Fractured Rocks - Effective Velocities of 3D Media with Penny-Shaped Cracks
E.H. Saenger*, O.S. Krueger and S.A. Shapiro

09.20 P033
Frequency Dependent Anisotropy Due to Meso-Scale Fractures with Equant Porosity
M. Chapman*

09.45 P034
Fracture Detection from Pre-Stack P-Wave Data
M. de Rooij*, N. Hemstra and R. van Boom

10.10 P035
Discussion

10.20 P035
Non-Linear Cross-Equalization of Time-Lapse Seismic Surveys Using Artificial Neural Networks
I.Y. Al-Ismaili* and M.R. Warner

10.45 P036
Estimating Compaction and Velocity Changes from Time-Lapse near and far Offset Stacks
M. Landroë* and R. Janssen

11.10 P037
4D Illumination and Elastic Modelling
I.F. Jones*, M.L. Bridson, P.G. Folstad, E. Kjos and M.C. Goodwin

11.35 P038
Continuous High Resolution Velocity as a 4D Attribute
I.F. Jones*, P.G. Folstad and E. Kjos
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 08.30 | Geometry and Geo-Dynamics of the Southeastern Mediterranean Sub-Provinces  
M. Khalil* |
| 08.55 | The Black Sea - Northwestern Part of Mediterranean Province - Geodynamic Analysis and Hydrocarbon Formation  
A.N. Dmitrievsky, I.E. Balanyuk*, V.G. Kaz'min and L.S. Dongaryan |
| 09.20 | Gravitational Folds and Compressional Structures Related with Normal Faults in the Suez Rift  
B. Colletta*, E. Piron, D. Marchal and I. Moretti |
| 09.45 | Black Sea Basin - Geodynamics and Modelling  
M.V. Korotaev*, A.M. Nikishin, A.V. Ershov and M.-F Brunet |
| 10.10 | Discussion |
| 10.20 | Reservoir Petrophysical Properties Distribution Using Seismic Attributes and Well Data – The West Delta Deep Marine Case Study  
S. Boccioli, F. Federici*, M. Corbella and F. Baioni |
| 10.45 | The Deep Jonian Sea - a Future Challenge for Hydrocarbon Exploration  
G. Cippitelli* and A. Bergamaschi |
| 11.10 | The Use of Biostratigraphy to Constrain Thrust Belt Timing in the Po Valley, Italy  
N. Engelhardt-Moore*, J. Granath, J. Aldrich and L. Albanesi |
| 11.35 | Modelling of Fracture Permeability in Bouri Field  
E. Caselgrandi*, F. Marchini and M. Ghedidda |
Tuesday 28 May

AVO and Inversion

08.30
On the Estimation of the Distribution of Seismic Reflection Sequences
D.R. Velis*

08.55
Reflection Impedance
L.T. Santos*, M. Tygel and A.C.B. Ramos

09.20
Reconnaissance AVO and Anisotropy Prediction, Deepwater Nigeria
P.M. Gidlow*, R. Dhillon, C. Thomas and T. Ziegler

09.45
Investigating the Detectability of Gas Sands Offshore South Africa by Means of AVO Modeling
H.-J. Hoffmann* and R. Durkan

10.10
Discussion

10.20
Footprints on 3D AVO Attribute Maps - Anatomy and Treatment
A. Samoilov*, V. Matsevich, A. Badeikin, A. Inosemtsev and E. Kozlov

10.45
Acquisition QC for Optimization of 3D Preserved Amplitude Prestack Depth Migration
P. Thierry*, A. Gomez, T. Karlsen, A. Sagehaug and R. Baina

11.10
Prediction of P-wave and S-wave Impedances by Coherence Matching
A.S. Barnola* and R.E. White

11.35
Introducing a PC and Workstation Supported Software for the Similarity Prediction of the Seismic Events
J. Hasanzadeh Azar, A. Javaherian*, I. Abdollahi Fard and M. Khorasani
<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.45</td>
<td>Near Surface Seismic and GPR</td>
<td></td>
</tr>
<tr>
<td>14.10</td>
<td>Application of Borehole Radar to Buried Object Survey for Civil Engineering Purpose</td>
<td>Y. Yamashita* and T. Toshioka</td>
</tr>
<tr>
<td>14.35</td>
<td>Multiwave Shallow Seismic for the Determination of Bedrock and Soil Properties and S-Wave Statics</td>
<td>V.P. Lisin*</td>
</tr>
<tr>
<td>15.00</td>
<td>Underthrust Sediments Observed at the Southern Japan Trench and Its Implication of the Interplate Coupling</td>
<td>T. Tsuru*, S. Miura, Y. Kaneda and J.-O. Park</td>
</tr>
<tr>
<td>15.25</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>16.00</td>
<td>GPR Surveying with a Remote Controlled Pulling System</td>
<td>M.J. Senos Matias*, C. Grangeia, F. Almeida, C. Gomes and F. Rocha</td>
</tr>
<tr>
<td>16.25</td>
<td>Detecting Shallow Reflectors at the Khoor Biabanak Playa Site Using High-Resolution Reflection Method</td>
<td>M.A. Riahi* and J. Shahabian</td>
</tr>
<tr>
<td>16.50</td>
<td>Automatic Processing and Interpretation of Engineering Seismic Data in Mountain Caucasus Area</td>
<td>R.M. Gylyjov* and V.B. Piip</td>
</tr>
</tbody>
</table>
Turbidites

13.45 P051
Using DHIs for Calibrating Depth Maps - a Case History from an Offshore Oil Field
M. Serazzi* and F. Marchini

14.10 P052
Mapping a Cretaceous Turbidite System Using Advanced Geophysical Techniques
L. Kvamme*, S. Wigger, T. Grotte and J. Doorenbos

14.35 P053
Shelf-Margin Deltas and Associated Turbidites - a Miocene Clinoform from the Carpathian Foredeep Basin in Poland
S. Porebski, K. Pietsch* and R. Hodiak

15.00 P054
SAIGUP Project – Impact of Geological Uncertainties on Production from Clastic Reservoirs
T. Manzocchi and J.J. Walsh*

15.25 Discussion

15.35 P055
Structural Restoration - an Approach for Automation
A.J. Richards* and G.D. Williams

16.00 P056
Low Net - Gross Canyon-Fill with Coarse-Grained Deep-Water Channel Elements, Baskil, Elazig, Eastern Turkey - Analogues for Offshore West Africa

16.25 P057
Unusual Facies and Geometries of the Paleogene Deep-Water Systems in the North Sea - Effects of Sand Remobilisation
D. Duranti*, M. Huuse, J.A. Cartwright, A. Hurst, B. Cronin, A. Mazzini and K. Flanagan

16.50 P058
Oil Pools in Devonian Deltas and Turbidite Deposits in the Pripyat Paleorift
S.M. Abravets*
Velocities and Inversion

13.45
Local Velocity Analysis by Parametric Wavenumber Estimation in Seismic - fk-MUSIC
K. Iranpour*, E.J. Muyzert and S. Grion

14.10
Two-Dimensional Full Wavefield Tomography of Synthetic Wide-Angle Seismic Data
C. Chironi*, J.V. Morgan and M. Warner

14.35
A New Generation 2D and 3D Refraction Experiment in the Carpathian Basin
E. Hegedus*, T. Bodoky, T. Fancsik, K. Posgay and CELEBRATION working group

15.00
Geostatistical Tomography of Short and Long Offset Seismic Data from the NE Atlantic Margin
M.R. Bosch*, P. Barton and S. Singh

15.25
Discussion

15.35
Increased Crustal Resolution - Voring Volcanic Margin
T. Raum*, R. Mjelde, B. Myhren, T. Enoksen and K. Kravik

16.00
Combined Wide-Angle and Reflection Velocity Images via the Tau-P Domain - a Sub-Basalt Application
G.D. Jones*, P.J. Barton and S.C. Singh

16.25
Feasibility of Full Waveform Inversion Applied to Sub-basalt Imaging
L. Sirgue* and R.G. Pratt

16.50
Frequency Domain Waveform Imaging Using Wide-Angle Data
P. Primiero*
Reservoir Characterisation A

13.45 P211
Hanze Chalk Oil Field - the Chalk Pearl in the Dutch North Sea
A.P. Hofmann*, A Price, G. Kaffenberger, R. Godderij and M. Simpson

14.10 P212
Integration a Key for Minimizing the Uncertainty in Field Development - a Case Study

14.35 P213
The Efficiency of Combining Geophysics and Geochemistry Methods while Simulating Multilayer Oil Fields

15.00 P214
Fracture Characterization in the Ghawar Field, Using Wide-Azimuth Full-Offset Seismic Data
K. Al-Hawas*, M.S. Ameen, M. Wahab and C. MacBeth

15.25 Discussion

15.35 P215
Seismic Facies Map Integration in Geostatistical Geological Model - a Field Case
B.M. Doligez*, F. Fournier, G. Jolivet, S. Gančarski and H. Beucher

16.00 P216
Origin and Variations of Reservoir Characteristics in the Chalk Deposits
L. Machhour*, J.-P. Sizun, J. Richard, P. Gaviglio and S. Vandycke

16.25 P217
Depositional and Production Related Anisotropies in the Ekofisk Chalk Reservoir
H. Rasmussen*, T. Strand, C.K. Clausen and L. Boisse

16.50 P218
Factors Influenced Porosity of the Siliciclastic Rocks in the Baltic Cambrian Basin
A. Shogenova*, K. Mens, S. Sliupa, V. Rasteniene, A. Joeleht and K. Kirsimae
13.45 P281
Continuos Seismic Monitoring as One Way to Assess Sources of Danger in Potash and Rock Salt Mining
H. Thoma, B.E. Bode and O.A. Klippel*

14.10 P282
Magnetotelluric Modeling for 1D Anisotropic Models
C.C. Yin*

14.35 P283
Geophysical Investigations of the Hyypiaamaki Calcite Marble Deposit, Southwestern Finland
J. Lohva* and O. Sarapaa

15.00 P284
Development of Integrated High-Resolution Geophysical Exploration for Replacement Mineralisation in the South Pennine Orefield, UK
T.M. Grossey*, I.A. Hill, C.A. Jeffrey, J. Busby and C. Leach

15.25
Discussion

15.35 P285
Simulation of Destruction Phenomena Caused by Elastic Waves
T. Matsuoka*, Z. Wakatuki and Y. Ashida

16.00 P286
Ground TDEM Applied to Massive Sulphide Exploration in the Mundo Novo Greenstone Belt, Bahia, Brazil

16.25 P287
Search for Gold with the Help of Magnetic Prospecting in Pyrrhotine
J.B. Kravchenko*, N.I. Lebib and V.I. Tregubenko

16.50 P288
Multicomponent Subsurface Seismic for the Evaluation of Salt Petrophysics
A. Babkin*, I.A. Sanfirov and V.P. Lisin
13.45
Contribution of the 3D Seismic Data to the Development of Producing Fields in Tunisia
N. Ayari Saidi* and J. Friha

14.10
Tectonics & Trap Types in Tunisia

14.35
Structural Style of the Algerian Offshore and Its Influence on Play Types - Algeria
H.L. Kheidri* and S. Ziou

15.00
Austrian Phase and Halokinetic Events in the Southern Gulf of Gabes - SE Offshore of Tunisia, Effects on the Distribution of the Cretaceous Reservoirs and Trap Development
S. Hajjej*, Z. Dey and A. Ouahchi

15.25
Discussion

15.35
Reduced Sulfur Species in the Alpine Zone of Europe - Lithostratigraphic and Structural Control
L. Anissimov*

16.00
Petroleum Evaluation of Triassic and Jurassic Deep Objectives in Central Tunisia
K. Ben Boubaker*, S. Aissaoui, M. Bedir, A. Sghira and D. Tanfous

16.25
Extensional Brittle Shear Zones and Deep Seated Granitoid in the Larderello Field
A. Brogi, A. Lazzarotto, D. Liotta* and R. Nicolich

16.50
Magnetic Features of the Sardinian Block, Western Mediterranean - an Overview
S. Fais*, E.E. Klingele and L. Lecca
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>P081</td>
<td>Aspects of Signal Quality to Vibroseis Shear Wave Data – a 2D Reflection Seismic Case Study</td>
<td>U. Polom* and H. Durst</td>
</tr>
<tr>
<td>08.55</td>
<td>P082</td>
<td>New Electrodynamic Geophones</td>
<td>A.V. Ryzhov* and S.A. Fedotov</td>
</tr>
<tr>
<td>09.20</td>
<td>P083</td>
<td>Amplitude Analysis of Harmonics on Vibrator Generated Direct Waves</td>
<td>P. Scholtz*</td>
</tr>
<tr>
<td>09.45</td>
<td>P084</td>
<td>Optimisation of Sweep Signals</td>
<td>Y. Tyapkin* and E.A. Robinson</td>
</tr>
<tr>
<td>10.10</td>
<td></td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>10.20</td>
<td>P085</td>
<td>Implications of Seismic Source Array Geometry Variation for Onboard Quality Control</td>
<td>N. Turnbull*</td>
</tr>
<tr>
<td>10.45</td>
<td>P086</td>
<td>Rough-Sea Deghosting Using Vertical Particle Velocity Field Approximations</td>
<td>T. Rosten*, L. Amundsen, J. Robertsson and E. Kragh</td>
</tr>
<tr>
<td>11.10</td>
<td>P087</td>
<td>Active Streamer Positioning - in Action</td>
<td>A.D. Curtis*, L. Combee and W. Olafsen</td>
</tr>
<tr>
<td>11.35</td>
<td>P088</td>
<td>Hexagonal Binning in 3D Seismic Data Acquisition</td>
<td>V. Bardan*</td>
</tr>
</tbody>
</table>
Determination of Facies from Well Logs Using Modular Neural Networks
A. Bhatt*, H.B. Helle and B. Ursin

Residual Strain in Biot Porous Media
G. Quiroga-Goode*

The Effective Stress Coefficient for Wave Velocities in Saturated Grain Packs
A. Furre*

T-Matrix Approach to Shale Acoustics
M. Jakobsen*, J.A. Hudson and T.A. Johansen

On the Correspondence between Resistivity and Texture of Loose Sediments, Saturated with Salt Water
N. Abu Zeid*, M. Ferrari and G. Santarato

Prediction and Simulation of a Second Slow Wave in Partially Saturated Porous Media
J.E. Santos*, C.L. Ravazzoli, J.M. Carcione, P.M. Gauzellino and F. Cavallini

Is There Perspectives to Find Out Fluids in Cracks Due to Seismic Waves Attenuation
B. Sibirjakov*

Forward Modelling of Near Well-Bore Geology - a New Basis for Petrophysical Interpretation
K. Nordahl*, P. Ringrose, A. Waldum, A. Naess and I. Brandsaeter
08.30
Optimization of the Shape of Gaussian Beams
K. Zacek*

08.55
Traveltime-Based Raytracing for Multiples and Converted Waves
E. Asakawa* and T. Matsuoka

09.20
Amplitude of a Head Wave by Ray Method for Medium with Crossed Interfaces
I. Orlov*, V.Z. Koksharov, T.E. Kospanov, B.A. Bobrov and S.V. Polozov

09.45
Factorized Ray Tracing in Viscoporoelastic TI Media
A.B. Druzhinin*

10.10
Discussion

10.20
Time-Domain Ray Asymptotic near Singularities - Illustration for a Caustic Cusp
A.A. Duchkov* and S.V. Goldin

10.45
Linearized Quasi-Shear Wave Inversion Using QI Approximation
S.M. Soukina*, D. Gajewski and B.M. Kashtan

11.10
From Approximate to Accurate Velocity Rays
E. Iversen*

11.35
A Fast Integration Technique for the Generation of Ray-Born Synthetics
H. Keers*, C.H. Chapman and D Nichols
Magnetotelluric Measurements in the North German Basin
N. Hoffmann and W. Muller*

Texture and Shape Measures for Content-Based Magnetic Image Retrieval
A.J. Buckingham*, M.C. Dentith and R. List

Using Surface SP to Monitor Underground Fluid Flow - an Example from a HDR Stimulation
M. Darnet*, G. Marquis, P. Sailhac and A. Gerard

Interpretation of Isolated Gravity Anomalies Using Euler Deconvolution
E. Elawadi* and K. Ushijima

Discussion

Hydrocarbon Detection and Monitoring with Electromagnetic Survey
D. A. Wright, A.M. Ziolkowski*, B.A. Hobbs and D.N. Green

Gravity and Magnetotelluric Modeling of Salt Structures for Improved Seismic Imaging
M.H. Krieger*, C.H. Henke and A. Zerilli

Using Gravity and Magnetics to Enhance Seismic Velocity Models - Cse Study form Offshore Brazil
B.S. Anderson*, M.E. Weber and G. Lyman

A Simple Approach to Regularized Gradients Calculation in Gravimetry and Magnetometry
R. Pasteka* and P. Richter
08.30
The Roll of Stratigraphy and Tectonics on Reservoir Prediction in Eastern Maracaibo Basin

08.55
Exploring for a Stratigraphic Trap in Zulia Oriental, Western Venezuela
S. Sarzalejo*, L. Benkovics, J. Carbon, F. Leon and A. Pena

09.20
Chronostratigraphic Reconstruction in the Falkland Plateau - South Atlantic
A. Del Ben*, A. Mallardi, R. Geletti and I. Finetti

09.45
Petroleum Systems in Offshore Sierra Leone and Liberia
D.C. Rusk*, K.C. Bennett and K.W. Mohn

10.10
Discussion

10.20
A Geological Framework of the Mauritanian Continental Margin from New Offshore 2D Seismic
S. Tremblay*, A.M. Schwab and A. Hurst

10.45
Deep Water Petroleum System in the Mannar Basin, Offshore Sri Lanka
P.W. Baillie*, R.D. Shaw, D.T.P. Liyanaarachchi and M.G. Jayaratne

11.10
Deep Structure Analysis of Sedimentary Basins of the Marginal and Inner Seas
A.G. Rodnikov*

11.35
New Data on Neogene Stratigraphy of Romanian Carpathians Foreland and Hydrocarbon Prospect
E.R. Stoica Negulescu* and M. Tanasa
Complex Reservoir Simulation by Using Methods of Geological Analogy and Statistical Analysis
K.E. Zakrevsky*, V.Y. Zorkina, R.D. Kanevskaya, S.V. Korobkin and V.V. Strekozin

On the Problem of "Lost Opportunities" in the Matured Oil Fields
T.V. Khismetov*, I.S. Jafarov, A.M. Brekhuntsov, F.A. Sharifulin and Y.A. Zobov

Uncertainty Characterization, Looking Back on the Data from the Model Space
M. Sartoretti* and P. Thore

Methods of Economic Evaluation of Oil and Gas Resources in the South-Eastern European Part of Russia
I.P. Ampilov*, E.V. Postnova and G.V. Nikishkina

Applications of the Localized Quasi-Linear Approximation to Reservoir Monitoring
E. Tartaras* and M.S. Zhdanov

Automatic Real-Time Processing of Induced Microseismic Data
V. Oye*, M. Roth and L. Jahren

The 4D Seismics Discrimination for Not Overcompacted Reservoirs
N.A. Cheremisin*, V.P. Sonich, P.A. Efimov, N.N. Minchenkov and K.N. Khuratamov

A New Technique for Improving Source Locations of Microseismic Events and Relative Tool Orientations
K. de Meersman*, M. van der Baan and J.-M. Kendall
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.45</td>
<td>Petroleum Systems a</td>
<td>Hydrocarbon Generation in the NW Dniepr-Donets Basin, Ukraine</td>
<td>V. Shymanovskyy* and R.F. Sachsenhofer</td>
</tr>
<tr>
<td>15.00</td>
<td>Occurrence of Natural Gas in the Southern, Marginal Part of the Pannonian Basin, Croatia</td>
<td>G. Baric* and L. Cota</td>
<td></td>
</tr>
<tr>
<td>15.25</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.35</td>
<td>Gas and Oil Potential of the Ukrainian Part of the Black – Azov Sea Area</td>
<td>V. I. Sozansky*</td>
<td></td>
</tr>
<tr>
<td>16.00</td>
<td>Post Jurassic Tectonic History and Geodinamics of the Black Sea Region</td>
<td>E. I. Morosanu*</td>
<td></td>
</tr>
<tr>
<td>16.25</td>
<td>The Study of Tectonics of the Syria North-East in Connection with the Hydrocarbon Bearing Prognosis</td>
<td>M.M. Dovbnich*, V.P. Soldatenko, J. Kais and Y.V. Mendri</td>
<td></td>
</tr>
<tr>
<td>16.50</td>
<td>Hydrocarbon Sealing Efficiency of the Bals Formation in the Moesian Platform, Romania</td>
<td>C. Pene*</td>
<td></td>
</tr>
</tbody>
</table>
13.45  
The Azimuthally Dependent Anisotropy Parameter Transformation (ADAPT) for P-Wave Kinematics  
P.N.J. Rasolofosaon*

14.35  
Anisotropic Multicomponent 3D Prestack Depth Migration  
T. Gasiorowski, R.I. Bloor, E. Schmidt and G.L. Brown*

15.00  
Estimation of Thomsen's Anisotropic Parameters Using Shifted Hyperbola NMO Equation  
P. Elapavuluri* and J. Bancroft

15.25  
Discussion

15.35  
Anisotropic P-Wave Velocity Derived from Deviated Wells at the Valhall Field  
S. Brandsberg-Dahl* and O.I. Barkved

16.00  
Traveltimes, Conversion Points and Parameter Estimation in HTI Media  
M.A. van der Baan*, J.-M. Kendall and D. Smit

16.25  
Anisotropic Ambiguities  
I.F. Jones*, N.X. Bemitsas, P.A. Farmer, J. Leslie and M.L. Bridson

16.50  
Anisotropic Parameters Estimation from P- and PS-Converted Wave Data  
M. Lou*, D. Pham and S. Lee
Borehole Acoustics and Cross-Hole Seismic

13.45
Single-Well Imaging with Acoustic Reflection Survey at Mounds, Oklahoma, USA
Y. Li*, R. Zhou, X. Tang, J.C. Jackson and D.J. Patterson

14.10
Crosswell Reflection Tomography
J.K Washbourne*, F. Miranda, M. Antonelli and K.P. Bube

14.35
Experiments on Stoneley Wave Propagation in a Borehole Intersected by a Finite Horizontal Fracture
F. Henry*, J.T. Fokkema and C.J. de Pater

15.00
Improving of Acoustic Full Waveforms Using Artificial Neural Network
K. Wawrzyniak*

15.25
Discussion

15.35
Integrated Crosswell Seismic - Advanced Technology to Improve Reservoir Description in the El Borma WAG Project
M. Antonelli, F. Ghadhab, F. Miranda, M.C. Rinaudo, L. Ruvo and N. Sabri

16.00
Interpretation of Lithology and Connectivity with Crosswell Velocity Tomography
Y. You-Sheng*, Y. Ming-Li, W. Xin and X. Zeng-Kui

16.25
Measurement of Seismic Anisotropy and Fracture Characterization of Tournemire Shale
P. Rasolofosaon*, J.L. Mari, J. Cabrera and P. Volant
13.45
3D EM Modeling and Inversion with Green's Tensor Integration in Wavenumber Domain

14.10
Weighted Generalized Series Expansion Used in the 2D Geoelectric Inversion Problem
I. Török, M. Kis and M. Dobroka*

14.35
The Art of Measuring Very Low Amplitude Seismoelectric Signals
A. Kepic* and K. Butler

15.00
Two-Dimensional Inversion of MT Data with Topography

15.25
Discussion

15.35
Tectonosphere of Eastern Siberia According to Results of Abyssal MTS
Y.V. Pospeyeva*

16.00
The Use of Gravity and Magnetic Data to Define the Khuff and Pre-Khuff of Kuwait
A. El-Emam* and M. Al-Anzi

16.25
Mathematical Modeling of Some Geoelectrical Fields in Archaeological Exploration
S. Kostyanev*, V. Stoyanov and E. Atanasova

16.50
Application of Resistivity Prospecting during Exploration of Primary Diamond Deposits
D.A. Ryasantsev*
Risk Assessment in E&P

13.45  
Estimation of 3D Reservoir Heterogeneity Using Seismic Heterogeneity Cubes  
M.G. Imhof

14.10  
Comparison of Methods for Unsupervised Classification of Seismic Data  
A.E. Barnes* and K.J. Laughlin

14.35  
Using XML in Advanced Geological Information Systems - a Case of Cross-Border UK-NL Stratigraphy Explored  
I.J. Jellema* and R.J. van Leeuwen

15.00  
Results of the New Methodology of Gas Exploration in the Rzeszow Area, Polish Carpathian Foredeep  
B. Zenon, M. Kazimierz* and M. Mysliwiec

15.25  
Discussion
Delivering E&P Applications, Data and Knowledge in a Geographically Distributed Environment
M. Polissi*, M. Piantanida and L. Salvaneschi

Geo3Dviewer - Current Progress in Web-Enabled 3D Visualisation
J.-D. van Wees*, R. Versseput and H. Simmelink

Classification of Production Effects from 4D Seismic Surveys

Enhancing Volume Visualization of 3D Seismic Data by Exploitation of 3D Texture Features
S. Pieper* and T. Berlage
Seismic while Drilling and VSP Processing

08.30  
Numerical Simulation of Drillstring Waves for Geosteering Application  
U. Tinivella*, F. Poletto and J. Carcione  

08.55  
Kirchhoff Depth Migration of 3D SWD Data  
G. Bernasconi*

09.20  
Modelling and Analysis of Drilling Dynamics Measurements  
G. Bernasconi, G. Drufuca and S. Re*

09.45  
Drilling Rig Noise Removal in SWD Data  
M. Vassallo* and G. Bernasconi

10.10  
Discussion

10.20  
A SWD 3D RVSP Onshore Survey - Imaging and Final Results  
F. Miranda*, F. Poletto, L. Bertelli, L. Petronio and B. Gressetvold

10.45  
Sand Channel Delineation with Multioffset VSP  
J. Acosta Almarza*, J. Castro, A. Rojas and R. Marin

11.10  
Noise Rejection by Multicomponent SVD-Wiener Joint Filters  
J. Meunier*, N. Le Bihan, F. Glangeaud, J.I. Mars and J.L. Mari

11.35  
PAM-3C VSP - Preserved and True Amplitude 3 Component VSP - Primary Results  
S. Serbutoviez*, C. Naville, J. Bruneau, F. Huguet and M. Reinier
08.30
Genetic Features of Anhydrite Domes, Western Lithuania
S. Sliaupa*, R. Sliaupiene, J. Lazauskiene, I. Grotek, V. Sidorov and L. Korabliova

08.55
Subsidence and Hydrocarbon Potential of the Main Dolomite Carbonates in the Polish Part of Pomerania
P. Kosakowski* and M.J. Kotarba

09.20
The Netherlands Bunter Play
E.N. Veenhof*

09.45
Subtle Structural Control on the Deposition of the Upper Paleocene in the Central Graben Area, Danish North Sea
M.D. Toft* and O.R. Clausen

10.10
Discussion

10.20
Temperature Anomalies Prove the Newest Migration of Hydrocarbons in the Pripiat-Donets Complex Deep
V.I. Savtchenko*

10.45
Mud Volcanism of South Caspian Basin - Important Tool to Predict Gas Potential of Deep Horizons
A.I. Aliyev*, E.A. Aliyev and I.R. Murtuzayev

11.10
Integrated Analysis of Well and Products of Mud Volcanoes - Appendix to Stratigraphy of Deeps Submerged Horizons
M.A.K. Efendiyeva*

11.35
West flank of the Middle Caspian - Model of HC Formation and Accumulation in Meso-Cenozoic
G.A. Aliyev*, E.M. Aliyeva and S.R. Veliyeva
Integrated Geophysical Investigations at the Halutza Archaeological Site, Southern Israel
Z. Ben-Avraham, L.V. Eppelbaum* and S.E. Itkis

Geophysical Prospecting of Archaeological Sites within Settlements
E. Lueck*, M. Eisenreich and U. Spangenberg

Joining of Tomographic Methods for Resolving Surface to Tunnel Data
R.K. Fruhwirth*

Single and Multi-Streamer High-Resolution 3D Seismic Studies in Lake Geneva, Switzerland
M. Scheidhauer*, D. Dupuy, M. Beres and F. Marillier

Shallow Refraction Interpretation in Complex Conditions with Visual Interactive Ray Tracing
R.J. Whiteley*

Infield Seafloor Geometry Solutions Using a Hybrid Acoustic Pinger and First Break Analysis
D.A. Lamb*, J.G. Starr, C. Diggins and E. Marc
08.55 P162
Wave-Equation Tomography in Scattering and Reflection Mode
M.G. Imhof

09.20 P163
Seismic Tomography from Surface Wide-Angle Data by Combined Traveltime and Frequency-Domain Waveform Inversions
C. Ravaut*, S. Operto, J. Virieux and B. Hustedt

09.45 P164
Imaging the Oil beneath the Fault Shadow - Unravelling a Complex Structure in the Timor Sea
P. Fink*, L. Vincent, A.J. Maxwell and H. Peresson

10.10 Discussion

10.20 P165
Topographic Correction Using CRS Parameters
V. Grosfeld*, R. Biloti, L.T. Santos and M. Tygel

10.45 P166
2D and 3D ZO CRS Stack for a Complex Top-Surface Topography
Y. Zhang*, G. Hoecht and P. Hubral

11.10 P167
A Fourth-Order CRS Moveout for Reflection and Diffraction Events
P. Chira-Oliva, M. Tygel* and P. Hubral

11.35 P168
Imaging of Inverted Basin In-Fill with the CRS-Stacking Method
E.M. Menyoli*, R. Patzig and D. Gajewski
Seismic Modelling: Spectral Methods, Anisotropy and Attenuation

08.30 P241
Generalized-Screen Operators with a Spatially Variable Background Velocity
R.J. Ferguson* and G.F. Margrave

08.55 P242
Geophysical Simulations with Spectral Elements
F. Maggio, L. Massidda, J. Sabadell* and G. Siddi

09.20 P243
Viscoelastic R/T Problem for Arbitrary Orientation of Propagation and Attenuation Vectors
J. Brokesova* and V. Cerveny

09.45 P244
A Calculus for Memory Effects in Dynamics of Porous Media
A.J. Hanyga*

10.10 P245
Discussion

10.20 P246
Effects of an HTI Overburden on P-Wave Amplitudes
S. Maultzsch*, S. Home, S. Archer and H. Burkhardt

10.45 P247
Behaviour of Quasi-Shear Waves in Orthorhombic Media
Y.V. Roganov*

11.10 P248
Numerical Modeling of the Diffraction by Single Cracks - an Accuracy Study
O.S. Krueger*, E.H. Saenger and S.A. Shapiro

11.35 P249
Numerical Study of Seismic Wave Propagation in Rock with Scale Length (Size) and Spatial Distributions of Fractures
S. Vlastos*, E. Liu, X.-Y. Li and I. Main
Multi Component: Processing and Applications

**08.30**
Ava from Multicomponent Data for Quantitative Evaluation of Gas Hydrates
H. Sognnes*, T.A. Johansen, J. Langhammer and E. Fromym

**08.55**
AVO-Inversion of Compressional and Converted Reflections in the Near-Caspian Trough
T.Y. Tioulenova*, T.V. Nefedkina, V.I. Keller and V.V. Bouzlokov

**09.20**
C-Wave Anisotropic Parameter Estimation from Conversion Point
J. Yuan*, X.-Y. Li and X. Zhu

**09.45**
Multi-Component Data Application Offshore Middle East
J. Langhammer*, P. Roach, T. Tvedt, H. Sognnes and E. Fromym

**10.10**
Discussion

**10.20**
Integrated Analysis of Seismic Response of Gas Reservoirs in Ordos Basin
X-Y. Li*, X.-C. Wei, E. Liu, X.-Z. Li, S.-Q. Shi and X-B. Zeng

**10.45**
Azimuthal Analysis of Shear-wave Splitting for the Characterization of Dipping Cracks

**11.10**
VectorSeis - Initial Results from a New Multicomponent Sensor
R.R. Kendall*, P. Maxwell, S. Cheadle, R. Burnett and H. Watt
Seismic Modelling: Finite Differences and Integral Methods

08.30
Reservoir Imaging and Monitoring - a Modeling Study
B. Milkereit*, T. Bohlen, E. Adam and D. Banerjee

08.55
Full-Wave Modelling of Effects Caused by the Flanks of Salt Dome
V.V. Mershchiy*, A.S. Kostyukevych and G.D. Lisny

09.20
2.5D Finite-Difference Solution of the Acoustic Wave Equation
A.N. Novais* and L.T. Santos

09.45
Free Surface Boundary Condition in Finite-Difference Elastic Wave Modeling
D.-J. Min*, C. Shin, H.S. Yoo, J.K. Hong and M.-K. Park

10.10
Discussion

10.20
A Computer Algebra Based 3D Seismic Modelling System for Simple Earth Models
B.M. Hartley*

10.45
DMO/AMO in the Presence of Caustics
A.E. Malcolm*, M.V. De Hoop and J.H. Le Rousseau

11.10
Effects of Lateral Heterogeneity in Basalt on Seismic Waves - a Modelling Study Using the Boundary Element Method
A.J. Dobson*, X.-Y. Li, A. Ziolkowski and E. Liu
Near Surface Potential Field Methods

08.30
3D Resistivity Probability Tomography - the San Giovanni a Carbonara Monastery, Naples, Case-History
B. Di Fiore*, P. Mauriello and D. Patella

08.55
Magnetic Susceptibility as a Rapid Method of Estimation of Soils Pollution, Tallinn, Estonia
L. Bityukova*, R. Scholger and M. Birke

09.20
Electromagnetic Induction Frequency Sounding as a Part of Geophysical Complex Work on Cicah-1 Settlement, Western Siberia
A. Manstein and Y. Manstein*

09.45
The Concept of Complex Geophysics and Its Application in Pompeji
B. Ullrich and C. Meyer*

10.10
Discussion

10.20
Mapping of Low-Enthalpy Geothermal Energy in Japan
Y. Uchida*, Y. Sakura and M. Taniguchi

10.45
Leak Location Using the Frequency Domain Electromagnetic Method
R.A. Lockwood*, T. Murray, G.W. Stuart and L. Scudder

11.10
Correlation between VES and Hydrogeological Variables
M.K. Hafizi and F.Z. Pashakhanlou*

11.35
Detailed Magnetic Prospecting at Archaeological Sites of Israel - Complications and Physical-Archaeological Models
S.E. Ilkis*, B.E. Khesin and S. Feinstein
08.30
The Elastic Impedance Concept Applied to 3D-AVO - a Reservoir Characterization Study
L. Dillon*, P. Santos, G. Scwedersky and G. Vasquez

08.55
Seismic Inversion Using Well-Log Data as a Priori Information
B.O. Ruud* and T.A. Johansen

09.20
Low Frequency Seismic Analysis for Revealing Fluid-Saturated Objects of Petroleum Basins
G.M. Goloshubin, N.G. Davydov*, O.A. Zhuikov and I.P. Perkov

09.45
Indexed Self Organized Maps - A New Tool For Seismic Reservoir Characterization
S. Gançarski*, J.P. Bancelin and S. Gottlib-Zeh

10.10
Discussion

10.20
Seismic Stratigraphy and AVO in the Transylvanian Basin - a New View at the Pre-Salt
K.C. Fischer and U.M. Schulz*

10.45
Fractured Reservoirs - Using VSPs to Bridge the Scale Gap Between Image Logs and Seismic
S.J. Emsley, A. Beccacini*, C. Cosma, N. Enescu and P. Shiner

11.10
Fluid Dynamics in Large Faults of the Giant Astrakhan Gas Condensate Deposit
A.N. Dmitrievsky, I.E. Balanyuk*, M.I. Lodgevskaya and Y.A. Poveschenko

11.35
Modelling of the Fractured Dorozsma Crystalline Reservoir, SE Pannonian Basin
T.M. Toth*, T. Foldes, F. Schubert, C. Hollos and J. Komlosi
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>Time Lapse &amp; Reservoir Monitoring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Seismic Monitoring of the CO2 Flood at Weyburn Field, Saskatchewan, Canada</td>
<td>T.L. Davis*, M.J. Terrell, R.D. Benson and R.R. Kendall</td>
</tr>
<tr>
<td>08.55</td>
<td>History-Matching Reservoir Models with Both Production and 4D Seismic Data</td>
<td>V. Kretz, M. Le Ravalec-Dupin* and F. Rogerro</td>
</tr>
<tr>
<td>09.45</td>
<td>1D Modelling - a Quantitative Tool in 4D Analysis on Troll West Oil Province?</td>
<td>O.A. Eikeberg* and R.M. Elde</td>
</tr>
<tr>
<td>10.10</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>10.20</td>
<td>Semi-Automated Detection of 4D Anomalies</td>
<td>P.W. Meldahl, N. Al-Najjar, T. Oldenziel-Dijkstra* and H. Litgenberg</td>
</tr>
<tr>
<td>10.45</td>
<td>Improved Time-Lapse Seismic Repeatability and Impact on Quantitative Analysis - Statfjord Field</td>
<td>M. Thompson* and N.F. Najjar</td>
</tr>
<tr>
<td>11.10</td>
<td>Assessing Dynamic Reservoir Behavior with Time-Lapse Pre-Stack 3D Seismic Data - a Sensitivity Study Based on Inversion</td>
<td>O.J. Varela, C. Torres-Verdin*, M.K. Sen and I.G. Roy</td>
</tr>
<tr>
<td>11.35</td>
<td>Fluid-Pressure Discrimination in Anisotropic Reservoir Rocks - a Sensitivity Study</td>
<td>A. Stovas* and M. Landro</td>
</tr>
</tbody>
</table>