

The 16th International Symposium on Recent Advances in Exploration Geophysics
(RAEG2012)

PROGRAM

9:30-9:40

Opening

9:40-10:40

Oral Session 1

(20 min / each presentation including discussion)

Computational Rock Physics Using a Hamiltonian Particle Method for Effective Elastic Properties of Cracked Media

Takekawa, J., Mikada, H. and Goto, T.

2D Elastic Full-waveform Inversion Method for Estimating Fluid Distribution in Hydrocarbon Reservoir

Iwaki, Y., Mikada, H., Goto, T. and Takekawa, J.

Numerical Study on a Relationship Between Scattering Seismic Wave and Crustal Stress Field, and Its Possibility of Application to Field Data

Okamoto, K., Mikada, H., Goto, T. and Takekawa, J.

10:40-11:00

Tea Break

11:00-12:20

Oral Session 2

Application of the Full-waveform Inversion Techniques to the Estimation of the Sound Velocity Structure in the Ocean

Kida, Y., Mikada, H., Goto, T. and Takekawa, J.

Estimation of Permeability Structure with Self Potential Inversion

Ozaki, Y., Mikada, H., Goto, T. and Takekawa, J.

Three-dimensional Joint Inversion of Gravity and Magnetic Anomalies Based on Density-magnetization Relationship

Teranishi, Y., Mikada, H., Goto, T. and Takekawa, J.

Toward Full Waveform Inversion of Controlled-source Electromagnetic Exploration to Realistic Scale

Imamura, N., Goto, T., Takekawa, J. and Mikada, H.

12:20-13:50

Lunch

13:50-15:10

Oral Session 3

Estimation of Pre-eruptive Magma Ascent Using a Hydrokinetic Model of Magma Plumbing System

Minami, S., Iguchi, M., Mikada, H., Goto, T. and Takekawa, J.

S-wave Anisotropy Analysis by Seismic Interferometry Applied to Seismic Data Observed by DONET Observatories in the Nankai Trough

Kimura, T., Mikada, H., Araki, E. and Kitada, K.

Efficient Frequency Domain Forward Modeling of Elastic Waveforms

Hondori, E.J., Mikada, H., Goto, T. and Takekawa, J.

Recent Trends of Exploration Geophysics and Improvements in Data Acquisition Technology

Shima, H.

15:10-15:30

Tea Break

15:30-16:30

SEG 2012 Near Surface Honorary Lecture

“Near-surface seismic: More than a problem of scale”

Lecturer: **Dr. Rick Miller**

(Kansas Geological Survey)

16:30-16:40

Tea Break

16:40-17:40

Keynote Lecture

“Energy strategy of Japan after Fukushima atomic power station accident”

Lecturer: **Prof. Yuzuru Ashida**

(Environment, Energy, Forestry and Agriculture Network : EEFA)

17:40-17:45

Closing

17:45-18:00

Group Photo

18:30-20:30

Conference Dinner

Poster Session

Electromagnetic Scattering by Fine Silica Spheres in Layered Paint

Horie, J., Mikada, H., Goto, T. and Takekawa, J.

Relationship Between Parallel Faults and Stress Field in Rock Mass

Imai, Y., Mikada, H., Goto, T. and Takekawa, J.

Travel Time Tomography by Use of Neural Network

Ishiyama, T. and Oda, Y.

Data Processing of Magnetotelluric Survey Data using Maximum Entropy Method and IIR Filter

Nagata, H., Mikada, H., Goto, T., Takekawa, J. and Kasaya, T.

Analysis of Fluid Electric Conductivity Logs Applying Conservation of Mass for Inflows and Outflows

Onishi, K. and Lin, S.

Removable of Distortion by Heterogeneous Surface in 3-D MT Inversion

Tani, M., Mikada, H., Goto, T., Takekawa, J. and Siripunvaraporn, W.

Lattice Boltzmann Simulation for Flux Change in Laminar Flow Under Oscillating Boundary Condition

Ueda, R., Mikada, H., Goto, T. and Takekawa, J.