

Guide for Technical Session and Banquet

1. Oral Presentations

• *The timing and order of the presentations*

The published program will not be changed except for unforeseen emergencies. In these circumstances announcements of changes will be posted outside the lecture rooms. The presentations are grouped into sub-sessions. There will be a break of 20 minutes at the end of each sub-session.

The chairpersons of each sub-session has the authority to manipulate the timing of papers within the allotted time of a sub-session. But, in general, the allotted time for invited papers will be 40 minutes, including 5-7 minutes for discussion. The allotted time for contributed papers is 20 minutes, including 3-5 minutes for discussion.

• *Lecture rooms and facilities*

On the first day of the symposium the oral presentations will be in a large lecture room capable of holding 200 people (Room 1). On the second day a second lecture room (Room 2), capable of holding 100 people will also be used.

Both rooms will have double screens. Speakers can use two overhead projectors (OHP) or one LCD projector equipped with personal computer. Mixed use of one OHP and one LCD projector will be possible.

Presentations using computer and LCD projector

One LCD projector (XGA-size) is equipped in each room. Authors can make their presentations using Microsoft Power Point (MSPP). Those who wish to use other presentation software should bring their own computers. All MSPP users are requested to bring their MS *.ppt file by CD (ISO9660/XA is recommended), MO (640MB or less) or ZIP (100/250MB) to the registration desk on the first day (24 January).

On 24 January 2001, a set of LCD projector and PC are also equipped in a preparation room to monitor the presentation. All LCD users should check file compatibility during the day.

• *Cancellations and/or program changes*

If a speaker is unable to be present at the time or date of the scheduled presentation, the Technical Program Committee should be alerted as soon as possible.

Late cancellations, and other program changes, will be posted on the information board, and outside the lecture rooms.

2. Poster presentations

• *Area allocated for each poster*

One numbered poster board has been allocated for each poster paper. The dimensions of a poster board are 120 cm wide and 180 cm high. All materials needed for attaching posters to poster boards are available at the registration desk.

• *Display time*

Posters can be shown from 12:00 Wednesday 24 till 13:00 Friday 26, January 2001.

• *Times for authors to be in attendance at their posters*

Authors are required to be in attendance at their posters for the hour before the start of the banquet reception; that is from 17:00 till 18:00 on Wednesday 24 January.

Authors and co-authors of poster papers will be asked to wear a colored badge indicating the number of their poster presentation. This will enable attendees at the symposium to easily find authors of poster presentations.

• *Cancellations and program changes*

Late cancellations and program changes will be posted on the information board and outside the lecture rooms.

3. Guidelines for chairpersons

In order for the Technical Program Committee to maintain the quality of the technical program it is essential that the Chairpersons carry out their duties correctly. A chairperson's duties include:

• *Announcing general information*

A chairperson will make general announcements at the start and the finish of each sub-session, or will make emergency announcements where appropriate.

• *Conducting the session*

A chairperson is expected to open and close a sub-session on time, and to ensure that the speakers for the sub-session are present and that they are able to make their presentations without disruption.

• *Verification of the authors*

A chairperson is expected to verify that speakers are listed on the program as one of the authors of a paper to be presented. If this is not the case an explanation must be given to the audience.

• *Keeping the time schedule*

The time schedule laid out for each sub-session should be adhered to strictly. Delays and similar disruptions are extremely annoying for other presenters in the session. If the possibility of over runs occur these should be discussed with the Technical Program Committee as soon as possible.

4. Banquet

A Symposium Banquet is scheduled to be held at NIHONDAIGAKU-Kaikan on Wednesday 24 January 2001 at 18:00.

The banquet fee is 6,000 yen per person which is to be paid separately from the registration fee. However, as accommodation at the banquet site is limited early bookings are strongly urged.

SCIENCE PROGRAM

OVERVIEW

Wednesday 24			Thursday 25			Friday 26		
			Room 1	Room 2				
AM	Opening Invited papers	9:20 10:00	Contributions	9:20	Contributions	9:40	Contributions	9:20
	· Seismic anisotropy		· Data procesing for imag- ing		· Electromagnetic meth- ods		· Reservoir characteriza- tion PART II	· Borehole geophysics
	· Reservoir characteriza- tion							
PM	Invited papers	14:00	Contributions	14:00	Contributions	14:00	Contributions	13:20
	· EM methods		· Seismic anisotropy		· Ground Penetrating Radar		· Case study with inte- grated approaches	
	· Civil engineering		· Scattering & under- ground heterogeneity		· Reservoir Characteriza- tion PART I		· Civil engineering & en- vironmental applications	
	· Strong motion predic- tions						Discussion	16:40
							Closing	17:00
17:00	Poster (Core-time)							
18:00	Banquet							

WEDNESDAY 24 JANUARY 2001

OPENING ADDRESS

Chair: Y. Murakami

SEGJ, SEG, ASEG, KSEG, and EAGE
09:20-09:40

SEISMIC ANISOTROPY

Chair: R. Geller

1. Seismic Anisotropy and its effects on Exploration in the 21st Century

Leon THOMSEN : *BP Amoco Upstream Technology*
10:00-10:40 p. 1-5

1130M28LT

SCATTERING AND UNDERGROUND HETEROGENEITY

Chair: J. McDonald and K. Holliger

2. Imaging of the permeability distribution in heterogeneous reservoirs using injection induced microseismicity.

Serge A. SHAPIRO : *Freie Universitaet Berlin*
11:00 - 11:40 p. 7-12

0802T31SS

3. Discrete and equivalent medium modeling of fractures

L.R. MYER, S. NAKAGAWA, and K. NIHEI : *Earth Science Division Lawrence Berkeley National Laboratory*
11:40 - 12:20 p. 13-18

0923M21LM

ELECTROMAGNETIC METHODS

Chair: M. Sato

4. High-frequency EM soundings in horizontal wells: problems, basic theory and applications

Mikhail Ivanovich EPOV : *Koptug prospect,3 Institute of Geophysics*
14:00-14:40 p. 19-23

1103M24ME

CIVIL ENGINEERING

Chair: T. Matsuoka

5. Multichannel Analysis of Surface Waves (MASW) for nondestructive testing of pavement system: feasibility tests

Choon B. PARK⁽¹⁾, Richard D. MILLER⁽¹⁾, Jianhai XIA⁽¹⁾, Julian IVANOV⁽¹⁾, and Nils RYDEN⁽²⁾: ⁽¹⁾*Kansas Geological Survey, University of Kansas, U.S.A.* ⁽²⁾*Department of Geotechnology, University of Lund, Lund, Sweden*

15:00 - 15:40

p. 25-30

0829T55CP

STRONG MOTION PREDICTION

Chair: C. P. Wapenaar

6. 3-D propagation of seismic ground motion: Observations and simulations

Kazuki KOKETSU and Takashi FURUMURA : *Earthquake Research Institute, University of Tokyo*

15:40-16:20

p. 31-38

1201M32KK

ADDRESS BY SEG

Chair: T. Miyazaki

The Impact of Technology

Sally ZINKE: *SEG President*

16:20-16:40

POSTER: AUTHORS ATTENDANCE

17:00-18:00 All authors of poster must be present at their display for presentation.

BANQUET

18:00-19:30 All attendants are welcome to the reception banquet. The banquet fee (6,000 Yen) should be paid separate from the registration fee.

THURSDAY 25 JANUARY 2001: ROOM 1

DATA PROCESSING FOR IMAGING

Chair: L. Huang and M. Minegishi

7. Split-step WKBJ least-squares migration/inversion of incomplete data

Henning KUEHL and Mauricio D. SACCHI : *University of Alberta*

09:20 - 09:40

p. 39-44

0801T25KH

8. Full-wave anisotropic elastic inversion of synthetic crosswell seismic data

Christophe BARNES⁽¹⁾ and Terumitsu TSUCHIYA⁽²⁾: ⁽¹⁾*Universite de Cergy-Pontoise*, ⁽²⁾*DIA Consultants Co., Ltd.*

09:40 - 10:00

p. 45-52

0721M07CB

9. An edge-preserving regularization algorithm for 2D acoustic profile reconstruction

Carrie F. YOUZWISHEN, Mauricio D. SACCHI, and Henning KUEHL : *Department of Physics, University of Alberta*

10:00 - 10:20

p. 53-59

0801T29CY

10. An integrated 3D tomographic inversion - application to multi-survey VSP Data

Nobuyasu HIRABAYASHI⁽¹⁾, Kenzo HARA⁽¹⁾, Di CAO⁽¹⁾, Scott LEANEY⁽¹⁾, William BORLAND⁽²⁾, and Yoshinori SANADA⁽¹⁾: ⁽¹⁾*Schlumberger*, ⁽²⁾*Unocal*

10:20-10:40

p. 61-66

0731M26NH

11. **Globally optimized Fourier finite-difference migration in three dimensions.**
Lian-Jie HUANG and Michael C. FEHLER : *Los Alamos Seismic Research Center, Los Alamos National Laboratory, USA*
11:00 - 11:20 p. 67-74 0804T33LH
12. **A layer-stripping inversion method employing a causality based imaging condition**
Hedi POOT, J. T. FOKKEMA, and C. P. A. WAPENAAR : *Section of Applied Geophysics and Petrophysics, Delft University of Technology*
11:20 - 11:40 p. 75-80 0907M19HP
13. **Accurate and efficient methods of calculating synthetic seismograms**
Hiromitsu MIZUTANI⁽¹⁾, Robert J. GELLER⁽²⁾, and Nozomu TAKEUCHI⁽³⁾: ⁽¹⁾*Department of Earth and Planetary Science, Graduate School of Science, Tokyo University,* ⁽²⁾*Department of Earth and Planetary Science, Graduate School of Science, Tokyo University,* ⁽³⁾*Earthquake Research Institute, Tokyo University*
11:40-12:00 p. 81-84 1201M30HM
14. **Waveform inversion for global scale 3-D earth structure**
R. J. GELLER⁽¹⁾, T. HARA⁽²⁾, and N. TAKEUCHI⁽³⁾: ⁽¹⁾*Department of Earth and Planetary Science, Graduate School of Science, Tokyo University,* ⁽²⁾*International Institute of Seismology and Earthquake Engineering, Building Research Institute, Tsukuba,* ⁽³⁾*Earthquake Research Institute, Tokyo University*
12:00-12:20 p. 85-88 1201M31RG

SEISMIC ANISOTROPY

Chair: L. Thomsen

15. **Static and dynamic elastic properties of the Iksan Jurassic Granite, Korea**
Jung Mo LEE, Tae Jong JUNG, and Dong Hyo KANG : *Dept. of Geology, Kyungpook National University, Taegu, Korea*
14:00 - 14:20 p. (not included) 0716M01JL
16. **Seismic anisotropy of rocks with aligned cracks and parallel fractures**
Enru LIU⁽¹⁾ and Xinwu ZENG⁽²⁾: ⁽¹⁾*British Geological Survey, Edinburgh, UK,* ⁽²⁾*Department of Applied Physics, National University of Defense Technology, Hunan, China*
14:20 - 14:40 p. 101-106 0716M03ZX
17. **Seismic anisotropy in the Olkaria Geothermal field, Kenya**
Silas Masinde SIMIYU : *The Kenya Electricity Generating Company*
14:40 - 15:00 p. (not included) 0616M18SS
18. **Numerical modeling of seismic waves Scattered by hydro-fractures : Application of the Pseudo-spectrum Method**
Xinwu ZENG⁽¹⁾, Enru LIU⁽²⁾, and Guangying ZHANG⁽³⁾: ⁽¹⁾*Department of Applied Physics, National University of Defense Technology, Hunan, China,* ⁽²⁾*British Geological Survey, Edinburgh, UK,* ⁽³⁾*Department of Applied Physics, National University of Defense Technology, Hunan, China*
15:00 - 15:20 p. 107-112 0716M02ZX
19. **Seismic wave simulation in anisotropic media with heterogeneity using a high-order finite difference method**
Xiuming WANG : *CSIRO Petroleum*
15:20 - 15:40 p. 113-120 0823T51XW

20. Scattering and intrinsic attenuation of S waves in southern CaliforniaKazuo YOSHIMOTO⁽¹⁾ and Ru-Shan WU⁽²⁾: ⁽¹⁾*Graduate School of Science, Tohoku Univ.*, ⁽²⁾*Dept. of Earth Sciences, UCSC*

16:00 - 16:20 p. 127-130

0727M11KY

21. A correlation method of elucidating the heterogeneity from an array of seismic waveformsChadaram SIVAJI⁽¹⁾, Osamu NISHIZAWA⁽²⁾, and Yo FUKUSHIMA⁽³⁾: ⁽¹⁾*Geological Survey of Japan, (On leave from Department of Science and Technology, Ministry of Science and Technology, India)* ⁽²⁾*Geological Survey of Japan*, ⁽³⁾*CTBTO, Vienna*

16:20 - 16:40 p. 131-138

0731T20CS

22. Small scale heterogeneities in the focal region of the 1997 northwestern Kagoshima earthquakes, JapanYutaka MAMADA and Hiroshi TAKENAKA : *Department of Earth & Planet. Sciences, Kyushu Univ.*

16:40-17:00 p. 147-151

0814T36YM

THURSDAY 25 JANUARY 2001: ROOM 2**23. An efficient 2.5-D inversion of loop-loop EM data**Yoonho SONG, Jung-Ho KIM, and Seung-Hwan CHUNG : *Geoelectric Imaging Lab., Korea Institute of Geology, Mining and Materials (KIGAM)*

09:40-10:00 p. 153-160

0725M09YS

24. Electromagnetic fields in cased boreholeKi Ha LEE⁽¹⁾, Hee Joon KIM⁽²⁾, and Toshihiro UCHIDA⁽³⁾: ⁽¹⁾*Lawrence Berkeley National Laboratory*, ⁽²⁾*Pukyong National University*, ⁽³⁾*Geological Survey of Japan*

10:00-10:20 p. 161-167

0726T06KL

25. Three-dimensional inversion of static-shifted magnetotelluric dataYutaka SASAKI : *Department of Earth Resources Engineering, Graduate School of Engineering, Kyushu University*

10:20-10:40 p. 185-190

0726M19YS

26. Electromagnetic ratio scattering imagingJunxing CAO and Shugen LIU : *Chengdu Univ of Technology*

10:40-11:00 p. 191-194

0801T22CJ

27. Coordinate transformation for efficient data interpretation in the resistivity methodZhenyang WANG⁽¹⁾ and Koji NOGUCHI⁽²⁾: ⁽¹⁾*Graduate School of Waseda University*, ⁽²⁾*Waseda University*

11:20-11:40 p. 195-200

0731T19ZW

28. Seismoelectric and seismomagnetic measurements in fractured borehole modelsZhenya ZHU and M. Nafi TOKSÖZ : *Earth Resources Laboratory, Department of Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology*

11:40-12:00 p. 201-208

0920M20ZZ

29. Application of three-dimensional magnetotelluric inversion to geothermal explorationToshihiro UCHIDA⁽¹⁾ and Yutaka SASAKI⁽²⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Kyushu University*

12:00-12:20 p. 209-212

0905E21TU

30. **Numerical and experimental approach to evaluate radiation patterns from a dipole antenna in a borehole**
Yukio KOMURO⁽¹⁾ and Motoyuki SATO⁽²⁾: ⁽¹⁾*Graduate School of Engineering, Tohoku University*, ⁽²⁾*Center for Northeast Asian Studies, Tohoku University*
14:00 - 14:20 p. 213-219 0728T07YK
31. **The validity of ray-based attenuation tomography for crosshole georadar data : A numerical assessment**
Klaus HOLLIGER and Martin MUSIL : *Swiss Federal Institute of Technology*
14:20 - 14:40 p. 221-227 0731T15KH
32. **Comparison of resolution functions of 3-D multi-component with 3-D single-component imaging algorithms for ground penetrating radar data**
J. van der KRUK, C. P. A. WAPENAAR, and J. T. FOKKEMA : *Section of Applied Geophysics, Delft University of Technology*
14:40 - 15:00 p. 229-236 0901T57JK

RESERVOIR CHARACTERIZATION — I

Chair: K. H. Lee

33. **Crosswell Imaging of resistivity and velocity for water flood monitoring : Oil field experiments in Lost Hills, California**
Futoshi TSUNEYAMA⁽¹⁾, Shigeharu MIZOHATA⁽¹⁾, Hidehiko WATANABE⁽¹⁾, Kazumi OSATO⁽²⁾, Akira SAITO⁽³⁾, Yasunori SHOJI⁽⁴⁾, and Michael WILT⁽⁵⁾: ⁽¹⁾*Japan National Oil Corporation*, ⁽²⁾*Geothermal Energy Research & Development*, ⁽³⁾*Mitsui Mineral Development Engineering Co., Ltd.*, ⁽⁴⁾*Oyo Corporation*, ⁽⁵⁾*Electromagnetic Instruments Inc.*
15:20 - 15:40 p. 237-242 0725T03FT
34. **Crosswell EM Studies at the Ellis Lease, Lost Hills California**
Michael WILT⁽¹⁾, Ping ZHANG⁽¹⁾, Kazumi OSATO⁽²⁾, and Futoshi TSUNEYAMA⁽³⁾: ⁽¹⁾*Electromagnetic Instruments Inc.*, ⁽²⁾*Geothermal Energy Research and Development*, ⁽³⁾*Japan National Oil Corporation*
15:40 - 16:00 p. 243-250 0722M08MW
35. **Electromagnetic travelttime tomography: Application for reservoir characterization in the Lost Hills Oil Fields**
Tae Jong LEE⁽¹⁾, Toshihiro UCHIDA⁽¹⁾, Toshiyuki YOKOTA⁽¹⁾, Ki Ha LEE⁽²⁾, Yoonho SONG⁽³⁾, Hee Joon KIM⁽⁴⁾, Shigeharu MIZOHATA⁽⁵⁾, and Michael WILT⁽⁶⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Lawrence Berkeley National Laboratory*, ⁽³⁾*Korea Institute of Geology Mining and Materials*, ⁽⁴⁾*Pukyung National University, Pusan, Korea*, ⁽⁵⁾*Japan National Oil Corporation*, ⁽⁶⁾*Electromagnetic Instrument Inc.*
16:00 - 16:20 p. 251-256 0731T18TL
36. **Development of time-domain electromagnetic tomography system for EOR monitoring**
Hidehiko WATANABE⁽¹⁾, Akira SAITO⁽¹⁾, Hidehiro ISHIKAWA⁽¹⁾, Koichi OKUZUMI⁽¹⁾, Futoshi TSUNEYAMA⁽²⁾, and Shigeharu MIZOHATA⁽²⁾: ⁽¹⁾*Mitsui Mineral Development Engineering*, ⁽²⁾*Japan National Oil Corporation*
16:20 - 16:40 p. 257-261 0727M12HW
37. **Neutron imaging of reservoir rocks and iron ore.**
Mike MIDDLETON⁽¹⁾, Frikkie de BEER⁽²⁾, and Jodie HILSON⁽¹⁾: ⁽¹⁾*Curtin University of Technology*, ⁽²⁾*South African Nuclear Energy Corporation*
16:40 - 17:00 p. 263-268 0804T34MM

FRIDAY 26 JANUARY 2001

RESERVOIR CHARACTERIZATION — II

Chair: L. R. Myer

38. A new method for fracture mapping using 3-D seismic data

Mu LUO and Brian EVANS : *Curtin University, Australia*
09:20 - 09:40 p. 277-282

0717M04ML

39. Using the AE reflection method to interpret the deeper geological structures of the Kakkonda Geothermal Field, Japan

Jorgen SAMUELSSON⁽¹⁾, Kei SATO⁽¹⁾, Nobukazu SOMA⁽²⁾, and Hiroaki NIITSUMA⁽³⁾: ⁽¹⁾*Graduate School of Engineering, Tohoku University* ⁽²⁾*National Institute for Resources and Environment*, ⁽³⁾*Graduate School of Engineering, Tohoku University*
09:40 - 10:00 p. 283-287

0731T16JS

40. Tomographic inversion for time-lapse oil reservoir monitoring

Toshiyuki YOKOTA⁽¹⁾, Akio NISHIDA⁽²⁾, Shigeharu MIZOHATA⁽²⁾, and Sunao MURAOKA⁽³⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Japan National Oil Corporation, Technology Research Center*, ⁽³⁾*Oyo Corporation, Tsukuba Technical Research and Development Center*
10:00 - 10:20 p. 289-294

0801T30TY

BOREHOLE GEOPHYSICS

Chair: H. Ito

41. Full-wave inversion of borehole seismic data for viscoelastic media

Christophe BARNES⁽¹⁾, Terumitsu TSUCHIYA⁽²⁾, and Marwan CHARARA⁽³⁾: ⁽¹⁾*Universite de Cergy-Pontoise*, ⁽²⁾*DIA Consultants Co., Ltd.*, ⁽³⁾*Schlumberger*
10:40 - 11:00 p. 301-308

0721M06CB

42. Sonic imaging for accurate well positioning in horizontal wells

Hiroaki YAMAMOTO⁽¹⁾, Shin'ichi WATANABE⁽¹⁾, V.J.M.V.KOELMAN⁽²⁾, J. GEEL⁽²⁾, Alain BRIE⁽³⁾, and Richard COATES⁽³⁾: ⁽¹⁾*Schlumberger*, ⁽²⁾*Petroleum Development Oman*, ⁽³⁾*Schlumberger*
11:00 - 11:20 p. (not included)

0730T11HY

43. Best slowness determination from sonic waveforms

Takeshi ENDO, Alain BRIE, Henri-Pierre VALERO, Takanori UCHIYAMA, and Oliver SKELTON : *Schlumberger, Fuchinobe, Japan*
11:20 - 11:40 p. 309-316

0731T21TE

44. Separation of upcoming and downgoing waves in the processing of VSP data

Abolfazl MOSLEMI and Abdolrahim JAVAHERIAN : *Tehran University*
11:40 - 12:00 p. 317-324

0801M13AJ

45. Numerical simulation and analysis of acoustoelectric well logging.

Hengshan HU and Kexie WANG : *Department of Physics, Jilin University*
12:00 - 12:20 p. 325-330

1005M22KW

CASE STUDY WITH INTEGRATED APPROACHES

Chair: T. Takahashi

46. Application of resistivity tomography to monitoring earthquake and rock experiment

Rui FENG⁽¹⁾ and Jinqi HAO⁽²⁾: ⁽¹⁾*Center for Seismological Data & Information China Seismological Bureau*, ⁽²⁾*Institute of Geophysics China Seismological Bureau*
13:20 - 13:40 p. 337-342

0725M10RF

47. Mapping of the hydraulic fracture by tiltmeter
Toshifumi MATSUOKA, Hirohide FUKAMORI, and Yuzuru ASHIDA : *Earth Resources Engineering, Kyoto University*
13:40 - 14:00 p. 343-345 1107M25TM

48. Electroseismic exploration: possibility and superiority evaluation based on field experiments
Hongrui YAN, Shuangxi WANG, Guoqing XU, and Yugui WANG : *Daqing Geophysical Prospecting, CNPC*
14:00 - 14:20 p. 347-352 0801T23HY

CIVIL ENGINEERING AND ENVIRONMENTAL APPLICATIONS

Chair: C. Park

49. Subsurface imaging of buried steel drums from magnetic data using Hopfield neural network
Ahmed SALEM⁽¹⁾, Dhananjay RAVAT⁽²⁾, and Keisuke USHIJIMA⁽³⁾: ⁽¹⁾*Kyushu University*, ⁽²⁾*Southern Illinois University*, ⁽³⁾*Kyushu University*
14:40 - 15:00 p. 369-375 0710T01AS

50. Dtection of cavities and tunnels from magnetic anomaly data using neural network
Eslam ELAWADI, Ahmed SALEM, and Keisuke USHIJIMA : *Kyushu University*
15:00 - 15:20 p. 377-383 0710T02EE

51. Surface-wave propagation in two-dimensional models and its application to near-surface S-wave velocity delineation
Koichi HAYASHI and Haruhiko SUZUKI : *Oyo Corporation*
15:20 - 15:40 p. 385-392 0816T37KH

52. A study on the two dimensional shear wave velocity using the inversion of surface waves
Jung HEEOK : *Dept. of Ocean System Engineering, Kunsan National University, Korea*
15:40 - 16:00 p. 393-398 0828T53HJ

53. Swept impact seismic sources, a family of tools for ore delineation and fracture imaging
Calin COSMA and Nicoleta ENESCU : *Vibrometric Oy*
16:00 -16:20 p. 399-403 1117M27CC

DISCUSSION

16:30-17:00 **Panelists: Invited speakers.**

CLOSING ADDRESS

17:00-17:10 Y. Murakami (SEGJ)

POSTER

Poster display time: 12:00 24 JANUARY 2001 — 13:00 26 JANUARY 2001.

Authors attendance time (Core-time): 17:00 — 18:00 24 JANUARY 2001

Authors should be in attendance when they are convenient.

P-1. Non-iterative prestack time migration

Jun MATSUSHIMA⁽¹⁾, Shuichi ROKUGAWA⁽²⁾, Toshiyuki YOKOTA⁽¹⁾, Yasukuni OKUBO⁽¹⁾, and Keiji TANAKA⁽³⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Graduate School of Engineering, The University of Tokyo*, ⁽³⁾*Mitsubishi Materials Natural Resources Development Corporation*
p. 89-96

P-2. A Differentiation Method for Elastic Wave Equation

Zhixin ZHAO : *Institute of Geology, Chinese Academy of Geological Science*
p. 97-100

- P-3. Anisotropy of biotite-rich rock: Non-ellipticity of the P-velocity and singularity of the S-velocity**
Osamu NISHIZAWA⁽¹⁾, Kyuichi KANAGAWA⁽²⁾, Takashi YOSHINO⁽³⁾, Mamoru TAKANASHI⁽⁴⁾, and Kentaro YASUNAGA⁽²⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Faculty of Science, Chiba University*, ⁽³⁾*Dept. Civil & Env. Eng., Toyo University*, ⁽⁴⁾*Japan National Oil Coporation, (2) Faculty of Science, Chiba University*
p. 121-126
- P-4. Deciphering the nature of heterogeneity from energy-decay pattern**
Chadaram SIVAJI⁽¹⁾, Osamu NISHIZAWA⁽²⁾, and Yo FUKUSHIMA⁽³⁾: ⁽¹⁾*Geological Survey of Japan, (On leave from Department of Science and Technology, Ministry of Science and Technology, India)*, ⁽²⁾*Geological Survey of Japan*, ⁽³⁾*CTBTO, Vienna*
p. 139-146
- P-5. Outline and recent results of NEDO's project on development of technology for reservoir mass and heat flow characterization**
Shigeyuki YAMAZAWA, Tomonori IDE, and Toshiyuki TOSHA : *New Energy and Industrial Technology Development Organization*
p. 269-276
- P-6. Two-dimensional wave propagation around a thin fracture with finite-element modeling.**
Tsuneo KIKUCHI⁽¹⁾, Shinkichi SAKAI⁽²⁾, and Kazuyoshi TAKAICHI⁽²⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*CRC Research Institute*
p. 295-299
- P-7. Fracture system of the Nojima fault by logging data**
Tsutomu KIGUCHI and Hisao ITO : *Geological Survey of Japan*
p. 331-336
- P-8. Delineation and geotechnical characterization of fractures in rock mass by high-resolution rock surface seismic and full waveform sonic measurements**
Tomio INAZAKI, Xinglin LEI, and Shiro WATANABE : *Geological Survey of Japan*
p. 361-368
- P-9. Resistivity monitoring of moisture migration in an embankment**
Shinichi TAKAKURA⁽¹⁾, Atsunao MARUI⁽¹⁾, Youhei UCHIDA⁽¹⁾, Takenori SUZUKI⁽²⁾, Yukio KANDA⁽²⁾, and Hikaru SATO⁽²⁾: ⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*High Energy Accelerator Research Organization*
p. 405-411
- P-10. Subsurface structure of Vulcano Island, Italy**
M. SUGIHARA⁽¹⁾, S. OKUMA⁽¹⁾, S. NAKANO⁽¹⁾, R. FURUKAWA⁽²⁾, R. SUPPER⁽²⁾, and K. GWINNER⁽³⁾:
⁽¹⁾*Geological Survey of Japan*, ⁽²⁾*Geological Survey of Austria*, ⁽³⁾*German Aerospace Center*
p. not included

CANCELLATION: The following papers are not presented.

Advanced methods of 3-D electromagnetic inversion

Michael ZHDANOV and Gabor HURSAN : *University of Utah*
p. 169-175

Applications of surface-to-borehole controlled-source electromagnetic tomography : Data acquisition system and interpretation

Kazumi OSATO⁽¹⁾, Yoonho SONG⁽²⁾, Robert MALLAN⁽³⁾, Michael WILT⁽³⁾, and Hiroyuki KATAYAMA⁽⁴⁾:
⁽¹⁾*Geothermal Energy Research and Development Co.*, ⁽²⁾*Korea Institute of Geology Mining and Materials*,
⁽³⁾*Electromagnetic Instrument Inc.*, ⁽⁴⁾*Metal Mining Agency of Japan*
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Ji-Soo KIM : *Dept. of Earth and Environmental Sciences, Chungbuk National Univ.*
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