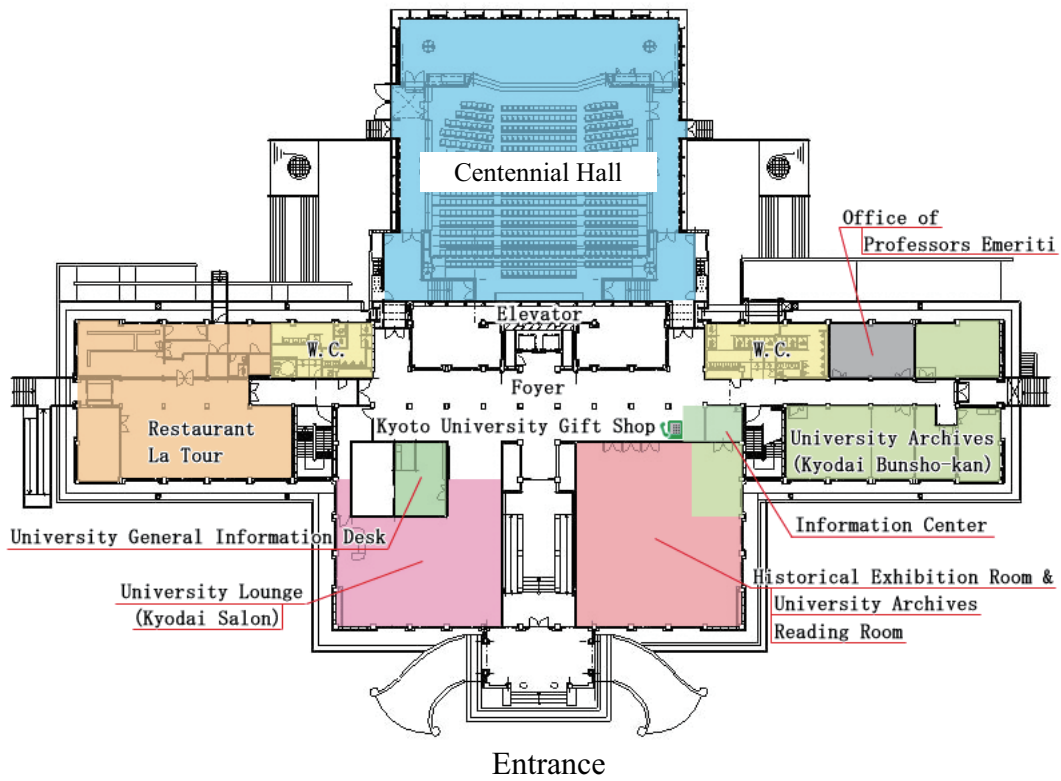
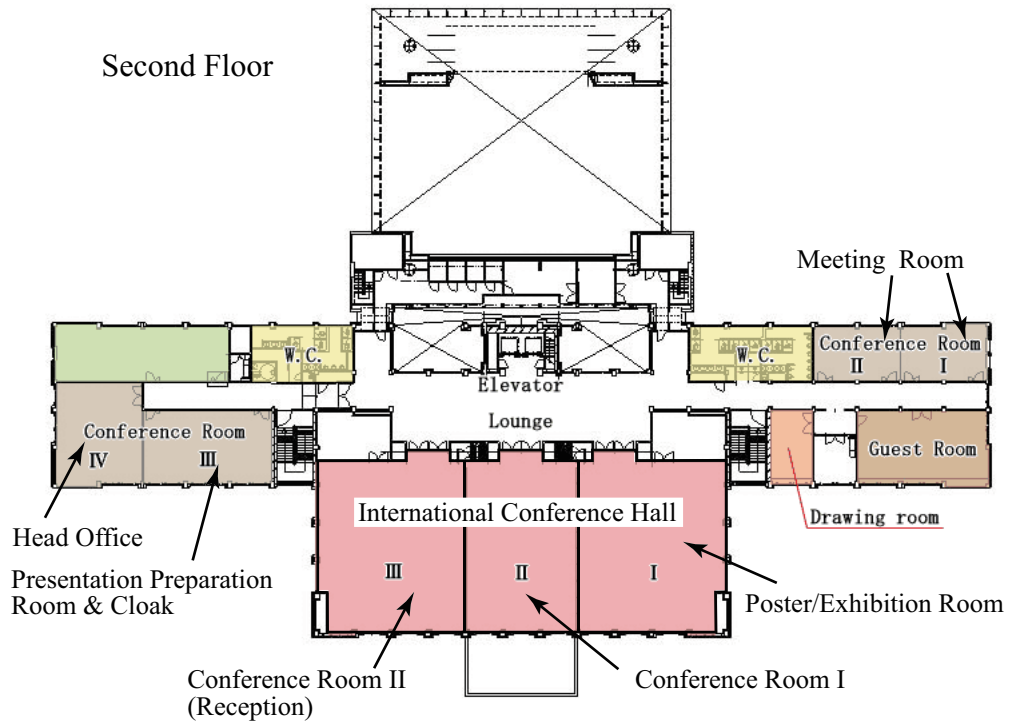


VENUE OVERVIEW

First Floor



Second Floor



The 10th SEGJ International Symposium –Imaging and Interpretation–



Clock Tower Centennial Hall, Kyoto University Kyoto, Japan.
20 – 22 November 2011.

OVERVIEW

— Sunday, 20 —

ROOM I

10:00-12:00 Time-Lapse/Monitoring and Rock Physics I... (p.3)

12:00-13:20

LUNCH BREAK

13:20-15:20 Reservoir Characterization I..... (p.3)

15:40-17:40 Reservoir Characterization II..... (p.4)

ROOM II

10:00-12:00 Seismic/Geodetic Imaging Technologies I.... (p.3)

13:20-14:20 DC/EM Imaging Technologies I..... (p.3)

14:20-15:20 GPR Imaging Technologies..... (p.4)

15:40-17:40 Mining Geophysics..... (p.4)

POSTER ROOM

18:00-20:00 Poster Core Time with Opening Beer Party..... (p.5)

— Monday, 21 —

ROOM I

09:20-10:40 Sensors and Acquisition Technologies..... (p.7)

11:00-12:20 Common-Reflection-Surface (Joint session of Seismic/Geodetic Imaging Technologies and Reservoir Characterization)..... (p.7)

12:20-13:30

LUNCH BREAK

CENTENNIAL HALL

13:30-14:30 Welcome/Congratulatory Address..... (p.8)

15:00-17:40 Special session "Frontier of Science and Technology of Super Computer"..... (p.8)

INTERNATIONAL COFERENCE HALL III

18:30-20:30 Reception..... (p.2)

— Tuesday, 22 —

ROOM I

09:20-11:00 Gravity and Magnetics..... (p.9)

11:20-12:40 Environmental and Engineering Applications..... (p.9)

12:40-13:40

LUNCH BREAK

13:40-15:20 Shallow/Near-Surface Structural Applications..... (p.10)

15:40-17:40 Time-Lapse/Monitoring and Rock Physics II (p.11)

17:40-18:00 Closing Remarks

ROOM II

09:20-11:00 Disaster Mitigation Applications (including 2011 Tohoku M9.0 earthquake and its impact on society, economy and energy strategy)..... (p.9)

11:20-12:40 Imaging/Interpretation Case Studies..... (p.9)

13:40-15:20 Seismic/Geodetic Imaging Technologies III..... (p.10)

15:40-17:20 Disaster Mitigation Applications..... (p.11)

15:00 ~ Spouses' Tour..... (p.2)

Wednesday, 23 08:30-17:00 Technical Tour..... (p. 2)

Guide for Technical Session

Language

The official language of the Symposium is English.

Instructions for Oral presentations

Oral presentations should be 15 minutes in length with 5 additional minutes allotted to each presenter for questions.

A set of PC and LCD projector is available for presentation.

Specifications of our PC are as follows:

- Windows XP professional SP2 (English ver.)
- MS-Office 2010 PowerPoint (English ver.)

The staff helps you to copy your Power Point file to the provided PC before your session starts. CD-ROMs and USB thumb drives are available. A PC with the same functions is prepared in the presentation preparation room. Checking your file preceding your presentation is strongly recommended.

In case you use your own PC, an auxiliary cable and a dis-

play switch is provided. Be sure to connect your PC before your presentation time starts.

Instructions for Poster Presentation

The poster panel of 90 cm in width and 180 cm in height are arranged in the poster presentation room. Put your posters on the panel under your presentation ID label on Sunday morning or at least before the poster core time. Materials needed to put the posters onto the boards (pins) are available in the room. The posters should be displayed during the symposium, from Sunday to Tuesday and should be removed by 16:00, Tuesday 22nd.

The poster presentation core time is scheduled at 18:00-20:00 on Sunday, 20th. All the presenters are required to stay in front of their posters during the core time.

RECEPTION

Date & Time: 18:30-20:30, November 21
 Place: The International Conference Hall III
 Fee: 6,000 JPY

A warm and exciting reception will take place with delicious Japanese SAKE, MAIKO (young Geisha girl), and dance performance by "KYOEN SODEFURE! SAIKY-OZENSEN". (for more on page 12)

TECHNICAL TOUR

Date: November 23, 2011.
 Destination: The National Research Institute for Cultural Properties, and sightseeing near the institute, if time allowed
 Fee: 3,000 JPY

Please gather at 8:15 on 23rd near a big tree in front of Clock Tower Centennial Hall. We will be back around 17:00.

SPOUSES' TOUR

Date: November 22, 2011.
 Destination: TSUKINOKATSURA Sake Brewery
 Fee: 3,500 JPY
 Departure: 15:00 Kyoto University
 Return: 18:30 Kyoto University

1.5 hours of Brewery tour with explanations on the Processing Flow and Tasting of Undiluted Sake in Traditional Japanese Style Warehouse build mid-17 century (partially rebuilt after the civil war in late Edo era). 1.5-2 hours of two-way travel time to the Brewery is previewed.

Sunday 20 NOVEMBER 2011
ROOM No.1**Time-Lapse/Monitoring and Rock Physics I**

Chair(s): Futoshi Tsuneyama, *Idemitsu Oil and Gas*,
Toru Nakayama, *JAPEX*

10:00-10:20

The relationship between permeability and elastic modulus of ellipsoidally-cracked rock model

*Hirotsu Yamabe, Takeshi Tsuji, Toshifumi Matsuoka ; *Kyoto University*
pp 437 – 440

10:20-10:40

Rock physics modeling of heavy-oil saturated, poorly consolidated sands

*Ayato Kato⁽¹⁾, De-hua Han⁽²⁾ ; ⁽¹⁾*JOGMEC*, ⁽²⁾*University of Houston*
pp 441 – 444

10:40-11:00

Rock physical interpretation of the compressive strength - seismic velocity relation of sedimentary rocks

*Toru Takahashi, Soichi Tanaka ; *Fukuda Geological Institute*
pp 445 – 448

11:00-11:20

Generation of multiple reservoir facies models from production and seismic data using multistart optimization technique

*Manish Choudhary⁽¹⁾, David Echeverria Ciaurri⁽²⁾, Tapan Mukerji⁽¹⁾ ; ⁽¹⁾*Stanford University*, ⁽²⁾*IBM T.J. Watson Res. Center, 33 Stanford University*
pp 449 – 452

11:20-11:40 Invited

Application of anisotropic rock physics modeling in integrated interpretation of seismic and CSEM data

*Michelle Ellis, Franklin Ruiz, Sriram Nanduri, Robert Keirstead, Ilgar Azizov, Michael Frenkel, Lucy MacGregor ; *RSI*
pp 453 – 456

11:40-12:00

Rock physics modeling of the unconsolidated Mahanadi basin sandstone in deep water off India's eastern coast

*Mukesh Gupta, Ranjit Shaw ; *Schlumberger*
pp 457 – 460

ROOM No.2**Seismic/Geodetic Imaging Technologies I**

Chair(s): Hideaki Ban, *INPEX*,
Takeshi Tsuji, *Kyoto University*

10:00-10:20

Prestack depth migration by 3D PSPI

*Seonghyung Jang⁽¹⁾, Young-wan Kim⁽²⁾ ; ⁽¹⁾*KIGAM*, ⁽²⁾*KOGAS*
pp 35 – 38

10:20-10:40

Reflectivity-guided non-hyperbolic automatic velocity analysis

*Ehsan Jamali Hondori, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa ; *Kyoto University*
pp 39 – 42

10:40-11:00

Comparison of techniques for plane-wave decomposition to VCS acoustic data

*Yukihiro Kida, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa⁽¹⁾, Eiichi Asakawa⁽²⁾, Takuya Shimura⁽³⁾ ; ⁽¹⁾*Kyoto University*, ⁽²⁾*JGI*, ⁽³⁾*JAMSTEC*
pp 43 – 46

11:00-11:20

Anisotropy parameters estimation from multi-component seismic data

*Li Xixi, Pu Wang⁽¹⁾, Botao Li⁽²⁾, Tianyue Hu⁽¹⁾ ; ⁽¹⁾*Peking University*, ⁽²⁾*CGG Veritas*
pp 47 – 50

11:20-11:40

Reverse time migration for tilted transversely isotropic (TTI) media

*Doan Huy Hien⁽¹⁾, SeongHyung Jang⁽²⁾, Tran Huong Tra⁽³⁾ ; ⁽¹⁾*Fairfield Vietnam Ltd.*, ⁽²⁾*KIGAM*, ⁽³⁾*AIT-VN*
pp 51 – 54

11:40-12:00

Principles of coherence reflection method and its applicability to seismic reflection survey

*Hiroshi Asanuma, Keita Tamakawa, Hiroaki Niitsuma ; *Tohoku University*
pp 55 – 58

 LUNCH

ROOM No.1**Reservoir Characterization I**

Chair(s): Tetsuro Tsuru, *Cosmo Oil*,
Masamichi Fujimoto, *INPEX*

13:20-13:40 Invited

Building realistic facies models through geostatistical inversion

*Mark Sams, Denis Saussus ; *Fugro-Jason*
pp 100 – 103

13:40-14:00

Multi-point geostatistical inversion from seismic to lithology of fluvial point-bar deposits

*Koji Kashihara⁽¹⁾, Kinya Okada⁽²⁾, Takashi Tsuji⁽³⁾ ; ⁽¹⁾*JAPEX*, ⁽²⁾*JGI*, ⁽³⁾*Kyoto University*
pp 104 – 107

ROOM No.2**DC/EM Imaging Technologies I**

Chair(s): Yutaka Sasaki, *Kyushu University*,
Pham Huy Giao, *Asian Institute of Technology*,

13:20-13:40

Three dimensional magnetotelluric inversion using heterogeneous smoothness-constraint least-squares method

*Tateyuki Negi⁽¹⁾, Hideki Mizunaga⁽²⁾, Koichi Asamori, Koji Umeda⁽³⁾ ; ⁽¹⁾*Japan Atomic Energy Agency*, ⁽²⁾*Kyushu University*, ⁽³⁾*Japan Atomic Energy Agency*
pp 187 – 190

13:40-14:00

Model-based inversion of MT responses for a deep fractured granite reservoir in the Cuu Long Basin

*Khin Moh Moh Latt, Pham Huy Giao⁽¹⁾, Yutaka Sasaki⁽²⁾ ; ⁽¹⁾*Asian Institute of Technology*, ⁽²⁾*Kyushu University*
pp 191 – 194

14:00-14:20

A strategy of non-linear elastic wavefield inversion of marine seismic streamer data in lower seabed shear-wave velocity structure*Akio Sakai ; *JAPEX*
pp 108 – 111

14:20-14:40

Estimation of seismic wave attenuation at the Nankai Trough area using sonic waveform data*Hiroyuki Suzuki, Jun Matsushima ; *The University of Tokyo*
pp 112 – 115

14:40-15:00

Characteristics of the large events from the seismically activated fractures at Basel geothermal reservoir*Yusuke Mukuhira, Hiroshi Asanuma, Hiroaki Niitsuma⁽¹⁾, Markus Haring⁽²⁾ ; ⁽¹⁾*Tohoku University*, ⁽²⁾*Geothermal Explorer Ltd.*
pp 116 – 119

15:00-15:20 Invited

Estimation of structure of geothermal reservoir at Cooper Basin, Australia, by integrated analysis of microseismic multiplet and source parameter*Hiroshi Asanuma, Yusuke Kawamura, Hiroaki Niitsuma⁽¹⁾, Doone Wyborn⁽²⁾ ; ⁽¹⁾*Tohoku University*, ⁽²⁾*Geodynamics Ltd.*
pp 120 – 124

14:00-14:20 Invited

Airborne EM system comparisonJames Macnae⁽³⁾ ; *MIT University*
pp 195 – 198**GPR Imaging Technologies**Chair(s): Yuya Yokota, *Tohoku University*

14:20-14:40

A borehole radar prototype development and testingSixin Liu, *Junjun Wu, Hang Dong, Lei Fu, Fei Wang ; *Jilin University*
pp 243 – 246

14:40-15:00

New GPR system for accurate velocity and thickness estimation of snow and ice on a frozen lake*Hai Liu, Motoyuki Sato ; *Tohoku Univ.*
pp 247 – 250

15:00-15:20

Estimation of biomass of the tree roots from the 3D image obtained by GPR*Yuya Yokota, Siwei Chen, Motoyuki Sato ; *Tohoku University*
pp 251 – 254

BREAK

Reservoir Characterization IIChair(s): Koji Kashihara, *JAPEX*,
Takeshi Endo, *Schlumberger K. K.*

15:40-16:00

Value of X-ray computed tomography in the scientific ocean drilling*Kyaw Moe⁽¹⁾, Philippe Gaillot⁽²⁾, Mathieu Duchesne⁽⁴⁾, Maria Jose Jurado⁽⁵⁾, Marianne Conin⁽⁶⁾, Shin'ichi Kuramoto⁽⁷⁾ ;
⁽¹⁾*CDEX-JAMSTEC*, ⁽²⁾*ExxonMobil*, ⁽³⁾*IFREE-JAMSTEC*,
⁽⁴⁾*Geological Survey of Canada*, ⁽⁵⁾*CSIC Barcelona*,
⁽⁶⁾*CEREGE-College de France*,
pp 125 – 128

16:00-16:20

Micro-structural characterization of partially frozen brine using MRI*Om Pradhan, Jun Matsushima, Makoto Suzuki ; *The University of Tokyo*
pp 129 – 132

16:20-16:40

Identification and classification of similar seismic events by using phase-only correlation techniqueHirokazu Moriya ; *Tohoku University*
pp 133 – 136

16:40-17:00

Processing of pseudo-Rayleigh waves in cased hole*Mitsuko Kitazawa, Henri-Pierre Valero ; *Schlumberger K. K.*
pp 137 – 140**Mining Geophysics**Chair(s): Akira Saito, *Waseda University*,
Eiichi Arai, *JOGMEC*

15:40-16:00

Development and application of a new TEM data acquisition system based on a HTS SQUID magnetometer (SQUITEM) for metal exploration*Eiichi Arai, Masaki Sugisaki, Kazuo Masuda, Shuichi Miyatake, Toshihiko Hayashi ; *JOGMEC*
pp 412 – 415

16:00-16:20

Mapping rare earth minerals with near-infrared reflectance spectra*Shuichi Miyatake, Taro Yajima, Yuu Kawakami⁽¹⁾, Shinsuke Kodama⁽²⁾, Hirohisa Kamijo, Yessy Arvelyna, Atsushi Momose, Toshihiko Hayashi⁽¹⁾ ; ⁽¹⁾*JOGMEC*, ⁽²⁾*AIST*
pp 416 – 417

16:20-16:40

Marine electromagnetic sounding on submarine massive sulphides using Remotely Operated Vehicle (ROV) and Autonomous Underwater Vehicle (AUV)*Tada-nori Goto, Junichi Takekawa, Hitoshi Mikada⁽¹⁾, Keizo Sayanagi, Makoto Harada⁽²⁾, Takao Sawa, Noriko Tada, Takafumi Kasaya⁽³⁾ ; ⁽¹⁾*Kyoto Univ.*, ⁽²⁾*Tokai Univ.*, ⁽³⁾*JAMSTEC*
pp 418 – 422

16:40-17:00

Case history of copper exploration in Namosi District, the Republic of Fiji Islands*Takeharu Takahashi, Seiya Morita, Makoto Miyoshi, Takayuki Tanaka⁽¹⁾, Katsuhiko Maeda⁽²⁾ ; ⁽¹⁾*Nittetsu Mining Co., Ltd.*,
⁽²⁾*Mitsubishi Materials Techno Co*
pp 423 – 426

17:00-17:20

Implementation of formation shear slowness evaluation from dipole sonic waveforms with tool presence effects*Kentaro Torii, Shinji Yoneshima, Shinichi Sunaga ; *Schlumberger*
pp 141 – 144

17:20-17:40 Invited

Heavy oil modeling - a tutorial*Brian Russell⁽¹⁾, Carmen Dumitrescu⁽²⁾, Larry Lines⁽³⁾ ;
⁽¹⁾*Hampson-Russell, A CGGVeritas*, ⁽²⁾*Husky Energy Ltd.*,
⁽³⁾*University of Calgary*
pp 145 – 150

17:00-17:20

The effectiveness of airborne electromagnetics in identifying and delineating palaeo-channel uranium deposits - A case study*John Joseph⁽¹⁾, Jonathan Rudd⁽²⁾ ; ⁽¹⁾*Aeroquest Airborne, Australia*, ⁽²⁾*Aeroquest Airborne, Canada*
pp 427 – 430

17:20-17:40

Advances in airborne geophysics*Matt Blomfield, Shane Mulé, Mark Dransfield, Craig Annison⁽¹⁾ ;
⁽¹⁾*Fugro Airborne Surveys*
pp 431 – 432**POSTER**

18:00-20:00 AUTHORS ATTENDANCE

Sensors and Acquisition Technologies**P 1. A new borehole method to measure in situ maximum horizontal stress***Hisao Ito, Kazumasa Kato⁽¹⁾, Takatoshi Ito⁽²⁾, François Henri Cornet⁽³⁾ ; ⁽¹⁾*JAMSTEC*, ⁽²⁾*Tohoku University*,
⁽³⁾*IPG-Strasbourg* .
pp 21 – 24**P 2. A new method of underwater ranging on the sea floor***Hiroshi Yoshida, Shojiro Ishibashi⁽¹⁾, Takashi Saito, Shogo Okamoto, Motoi Denou, Takashi Hakoyama, Minoru Suzuki⁽²⁾ ;
⁽¹⁾*JAMSTEC*, ⁽²⁾*MELOS* .
pp 25 – 30**P 3. Performance tests of sensors for long-term borehole monitoring system***Toshinori Kimura, Eiichiro Araki⁽¹⁾, Hiroyuki Takayama⁽²⁾, Kazuya Kitada, Masataka Kinoshita, Yasuhiro Namba, Masanori Kyo⁽¹⁾ ; ⁽¹⁾*JAMSTEC*, ⁽²⁾*JMA* .
pp 31 – 34**Seismic/Geodetic Imaging Technologies****P 4. Ground roll noise attenuation by local time-frequency transform***Mohammad Radad, Hamid Reza Siahkoobi⁽¹⁾ *Mohammad Hamidi⁽²⁾ ; ⁽¹⁾*University of Tehran*, ⁽²⁾*Ferdowsi University of Mashhad* .
pp 80 – 83**P 5. Study on the inspection for shallow area under concrete surface using air-coupled sound wave***Ryo Akamatsu, Tsuneyoshi Sugimoto⁽¹⁾, Hiraku Kawasaki⁽²⁾, Noriyuki Utagawa, Shuichi Tsujino⁽³⁾ ; ⁽¹⁾*Toin Univ. of Yokohama*, ⁽²⁾*IHI Inspection & Instrumentation*,
⁽³⁾*SATO KOGYO* .
pp 84 – 87**P 6. Travel time tomography by use of neural networks***Yoshiya Oda, Tomohisa Ishiyama : *TMU* .
pp 88 – 91**P 7. Dominant periods of H/V spectral ratios of coda waves in the Tokyo metropolitan area, using recent seismic networks***Seiji Tsuno, Hiroaki Yamanaka, Hiroyuki Miura, Saburoh Midorikawa⁽¹⁾, Shinichi Sakai, Naoshi Hirata, Keiji Kasahara⁽²⁾, Hisanori Kimura⁽³⁾, Tamotsu Aketagawa⁽⁴⁾ ; ⁽¹⁾*Tokyo Institute of Technology*, ⁽²⁾*ERI, University of Tokyo*, ⁽³⁾*NIED*, ⁽⁴⁾*HSRI, Kanagawa Pref.* .
pp 92 – 95**P 8. Imaging basement structure beneath the Noubi Plain, central Japan using strong motion records of natural earthquakes***Toshiki Watanabe⁽¹⁾, Hidehiko Shimizu⁽²⁾, Jun Tobita⁽¹⁾, Susumu Abe, Kazuya Shiraishi⁽³⁾ ; ⁽¹⁾*Nagoya Univ.*, ⁽²⁾*JAPEX Co., Ltd.*, ⁽³⁾*JGI, Inc.* .
pp 96 – 99**Common-Reflection-Surface (Joint session of Seismic/Geodetic Imaging Technologies and Reservoir Characterization)****P 9. Seismic attenuation attribute and its implication to physical property analyses in less-reflective areas***Tetsuro Tsuru⁽³⁾, Tetsuo No⁽⁴⁾ ; ⁽¹⁾*Cosmo Oil*, ⁽²⁾*JAMSTEC* .
pp 151 – 154**P 10. An investigation on low-frequency passive seismic waves as a hydrocarbon indicator in SW-Iran***Hoorieh Katebi, Sayyed Keivan Hosseini, Hossein Sadeghi⁽¹⁾, Sayyed Hamid Seyyedini⁽²⁾ ; ⁽¹⁾*Earthquake Research Center, Fe*,
⁽²⁾*National Iranian Oil Company* .
pp 155 – 158**P 11. Direct hydrocarbon detection based on the fractal properties of intrinsic mode functions***Mohamad Alrajawi, Hamid R. Siahkoobi : *University of Tehran* .
pp 159 – 162**P 12. Influence of tuning effect on seismic attenuation estimation***Kwangho Lee, Jun Matsushima : *The University of Tokyo* .
pp 163 – 166**P 13. Implementation of partial CRS-Stack method in order to obtain sophisticated supergatherers for gas reservoir characterization***Ariesty Asikin, Andri Hendriyana, Rachmat Sule : *Institut Teknologi Bandung* .
pp 183 – 186**DC/EM Imaging Technologies****P 14. Data processing revisited in electrical and electromagnetic survey data using digital filters***Hikaru Nagata, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa⁽¹⁾, Takafumi Kasaya⁽²⁾, Hisashi Utada⁽³⁾ ; ⁽¹⁾*Kyoto University*, ⁽²⁾*JAMSTEC*, ⁽³⁾*The University of Tokyo* .
pp 231 – 234**P 15. 3D finite-difference modeling of time-domain electromagnetic data for mineral exploration***Yutaka Sasaki⁽¹⁾, Seong-Jun Cho⁽²⁾ ; ⁽¹⁾*Kyushu University*,
⁽²⁾*KIGAM* .
pp 235 – 238**P 16. A transient EM method with vertical transmitters and receivers for offshore hydrocarbon exploration***Hangilro Jang, Hannuree Jang, Ki Ha Lee, Hee Joon Kim : *Pukyong National University* .
pp 239 – 242

GPR Imaging Technologies

- P 17. **Developing of polarimetric GPR calibration technique**
*Lilong Zou, Xuan Feng⁽¹⁾, Zhengshu Zhou⁽²⁾, Qi Lu, Cai Liu, Yan Zhang, Wenjing Liang, Qiao Wang⁽¹⁾ : ⁽¹⁾*Jilin University of China*, ⁽²⁾*CSIRO Mathematics of Australia* .
pp 255 – 258
- P 18. **Polarimetric GPR Vivaldi antenna array and experiments**
*Wenjing Liang, Xuan Feng, Shiyu Wang, Cai Liu, Qi Lu, Lilong Zou, Qiao Wang, Hongli Li : *Jilin University* .
pp 259 – 262

Gravity and Magnetics

- P 19. **Aeromagnetic 3D subsurface imaging in the Otoge Cauldron, Shitara area, central Japan**
*Tadashi Nakatsuka, Shigeo Okuma : *Geol. Surv. Japan, AIST* .
pp 285 – 289

Shallow/Near-Surface Structural Applications

- P 20. **Relationship between formation of echelon faults and stress field in rock mass**
*Yuki Imai, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa : *Kyoto University* .
pp 310 – 313
- P 21. **Three-dimensional resistivity modeling of GREATER survey data from Kujukuri beach, Japan**
*Sabry Abdel-Mohsen Mohamed Abd Allah, Toru Mogi⁽¹⁾, Hisatoshi Ito⁽²⁾, Akira Jymori⁽³⁾, Kazuhiro Tsukuda, Kenzo Kiho, Hideshi Kaieda, Koichi Suzuki⁽²⁾, Elena Fomenko⁽⁵⁾ : ⁽¹⁾*ISV, Hokkaido University*, ⁽²⁾*CRIEPI, Chiba prefecture, Japan*, ⁽³⁾*NeoScience Co, Osaka*, ⁽⁴⁾*Geotechnical Center, Oyo Co*, ⁽⁵⁾*Moscow State University* .
pp 314 – 317
- P 22. **Evaluation of soil thermal resistance around underground power transmission line using geophysical exploration methods**
*Kenji Kubota, Koichi Suzuki⁽¹⁾, Yuji Matsuya⁽²⁾, Shinji Yamaguchi⁽³⁾ : ⁽¹⁾*CRIEPI*, ⁽²⁾*KEPCO*, ⁽³⁾*Nihon Chikatansa* .
pp 318 – 321

Environmental and Engineering Applications

- P 23. **Effectiveness of resistivity and induced polarization methods for interpreting structure and properties in landfills**
*Kento Higuchi, Toshinori Sakurama, Masaki Sugisaki, Kazuo Kamura : *Waseda University* .
pp 339 – 342
- P 24. **Resistivity survey results related to the measurement of pore pressure variation in sea dyke**
*Sung-Ho Song, Gyu-Sang Lee, Jin-Sung Kim, Jong-Hak Choi⁽¹⁾, In-Ky Cho⁽²⁾ : ⁽¹⁾*Rural Research Institute*, ⁽²⁾*Kangwon National University* .
pp 343 – 346
- P 25. **Tackling the non-uniqueness in linearized multimodal inversion of multichannel surface waves**
*Payam Hivedi, Hamid R. Siahkoobi : *University of Tehran* .
pp 347 – 350
- P 26. **Numerical simulation of slim-hole gamma-gamma (density) log using MCNP**
*Bonjin Ku, Myung Jin Nam⁽¹⁾, Seho Hwang⁽²⁾ : ⁽¹⁾*Sejong University*, ⁽²⁾*KIGAM* .
pp 351 – 354

Disaster Mitigation Applications

- P 27. **Potential tsunamigenic faults of the 2011 Tohoku earthquake in the frontal wedge**
*Takeshi Tsuji⁽¹⁾, Yoshihiro Ito, Motoyuki Kido, Yukihito Osada, Hiromi Fujimoto⁽²⁾, Juichiro Ashi⁽³⁾, Masataka Kinoshita⁽⁴⁾, Toshifumi Matsuoka⁽¹⁾ : ⁽¹⁾*Kyoto University*, ⁽²⁾*Tohoku University*, ⁽³⁾*University of Tokyo*, ⁽⁴⁾*JAMSTEC* .
pp 396 – 399
- P 28. **Estimation of S-wave velocity structure of deep sedimentary layers around Lake Biwa using joint inversion method of earthquake ground motion records and microtremors data**
*Haruhiko Suzuki⁽¹⁾, Hiroaki Yamanaka⁽²⁾ : ⁽¹⁾*OYO Corp.*, ⁽²⁾*Tokyo Inst. Tech.* .
pp 400 – 403
- P 29. **An instability mechanism of steep rock slope with loose rock masses under an earthquake**
Huan Wang, *Ailan Che, Xiurun Ge : *Shanghai Jiaotong University* .
pp 404 – 407
- P 30. **Ground deformation monitoring associated with environmental disaster by InSAR analysis**
*Shuichi Rokugawa, Takako Nakamura, Jun Matsushima : *The University of Tokyo* .
pp 408 – 411

Mining Geophysics

- P 31. **Marine time-domain electromagnetic technologies for the ocean bottom mineral resources**
*Keiko Nakayama, Taisuke Shingyouji, Masayuki Motoori, Mana Yasui, Yasushi Kobayashi, Atsushi Yamazaki, Akira Saito : *Waseda Univ.* .
pp 433 – 436

Time-Lapse/Monitoring and Rock Physics

- P 32. **Gravity monitoring at the Hachijojima geothermal field, Japan**
*Mituhiko Sugihara, Kazunari Nawa, Yuji Nishi, Tsuneo Ishido, Keiichi Sakaguchi : *GSJ/AIST* .
pp 487 – 488

Imaging/Interpretation Case Studies

- P 33. **Successful application of S-transform time-frequency method in hydrocarbon reservoirs and low frequency shadows detection**
*Mohammad Hamidi, Seyed keyvan Hosseini, Hossein Sadeghi : *Ferdowsi University of Mashhad* .
pp 505 – 508
- P 34. **Stratigraphic oil trap detection using seismic attributes and neural network**
*Amir Babasafari, Abbas Samadian : *Sahra Kav Company* .
pp 509 – 512
- P 35. **Spectral decomposition for mapping old oil sand channel, Alberta, Canada**
*Mohammed Farfour, Wang Jung Yoon : *Chonnam National University* .
pp 513 – 516

Monday 21 NOVEMBER 2011

ROOM No.1

Sensors and Acquisition Technologies

Chair(s): Tatsuki Endo, *Schlumberger K. K.*,
Hisao Ito, *JAMSTEC*,
Takashi Mizuno, *Schlumberger K. K.*

09:20-09:40

Hydraulic diffusivity around the Kamioka mine estimated from barometric response of pore pressure

*Yasuyuki Kano⁽¹⁾, Takashi Yanagidani ; ⁽¹⁾*DPRI, Kyoto University*
pp 5 – 8

09:40-10:00

Development of a broadband transducer assembly under triaxial compressive conditions

*Hironori Kawakata, Nana Yoshimitsu⁽¹⁾, Naoki Takahashi⁽²⁾ ;
⁽¹⁾*Ritsumeikan University*, ⁽²⁾*Sumitomo Mitsui Construction*
pp 9 – 12

10:00-10:20

Broadband towed marine seismic via total source and receiver de-ghosting

*Mazin Farouki, Andrew Long, Gregg Parkes, Stian Hegna ; *PGS*
pp 13 – 16

10:20-10:40

Front end fidelity for seismic acquisition

*Masahiro Kamata ; *Schlumberger K.K.*
pp 17 – 20

————— BREAK —————

Common-Reflection-Surface (Joint session of Seismic/Geodetic Imaging Technologies and Reservoir Characterization)

Chair(s): Koji Kashihara, *JAPEX*,
Rachmat Sule, *Institut Teknologi Bandung*

11:00-11:20 Invited

Structural delineation in geologically complex area using MDRS (multi-dip reflection surfaces)

*Naoshi Aoki, Shogo Narahara, Tsukasa Nishiki, Akihisa Takahashi⁽¹⁾, Shinsuke Kikuchi⁽²⁾ ; ⁽¹⁾*JGI, Inc.*, ⁽²⁾*JAPEX*
pp 167 – 170

11:20-11:40

Application of the partial CRS-stack and NIP-wave tomography methods to high-resolution shear wave seismic data

*Rachmat Sule⁽¹⁾, Aulia A. Velncia⁽¹⁾, Andri Hendriyana⁽¹⁾, Ulrich Polom, Charlotte M. Krawczyk⁽²⁾ ; *11 Institut Teknologi Bandung*,
⁽²⁾*LIAG-Hannover*
pp 171 – 174

11:40-12:00

Common Reflection Surface (CRS): Imaging and AVO analysis

Awali Priyono, *Fatkhan ; *Institut Teknologi Bandung*
pp 175 – 178

ROOM No.2

DC/EM Imaging Technologies II

Chair(s): Yutaka Sasaki, *Kyushu University*,
Pham Huy Giao, *Asian Institute of Technology*

09:20-09:40

Feasibility study of marine controlled-source electromagnetic sounding for submarine massive sulphides explorations

*Naoto Imamura, Tada-nori Goto, Junichi Takekawa, Hitoshi Mikada ; *Kyoto University*
pp 199 – 202

09:40-10:00

A 3-D interpretation of magnetotelluric data at the Atadei geothermal field, Lembata Island, Indonesia including sea effects

*Myung Jin Nam, Nuree Han, Jae Hwa Jang⁽¹⁾, Yoonho Song, Tae Jong Lee⁽²⁾, Toshihiro Uchida⁽³⁾ ; ⁽¹⁾*Sejong University, Korea*,
⁽²⁾*KIGAM, Korea*, ⁽³⁾*GSI, AIST*
pp 203 – 206

10:00-10:20

3D resistivity and small-loop electromagnetic survey to identify leachate from livestock mortality burial

*Sung-Ho Song, Kwang-Jun Choi, Ki-Chang Yang, Jae-Yeon Um⁽¹⁾, In-Ky Cho⁽²⁾ ; ⁽¹⁾*Rural Research Institute*, ⁽²⁾*Kangwon National University*
pp 207 – 210

10:20-10:40

Effect of heterogeneity of permeability on streaming potential

*Yusuke Ozaki, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa⁽¹⁾, Maki Tsujimura, Fatma Hachani⁽²⁾ ; ⁽¹⁾*Kyoto Univ. Grad School of Eng.*, ⁽²⁾*Life & Environ. Sci. Univ. Tsukuba*
pp 211 – 214

DC/EM Imaging Technologies III

Chair(s): Tada-nori Goto *Kyoto University*,
Koichi Suzuki, *CRIEPI*

11:00-11:20

Subsurface cavity detection in the eastern parts of Saudi Arabia using 2D geoelectrical resistivity tomography

*Mohamed Metwaly⁽¹⁾, Fouzan AlFouzan⁽²⁾ ; ⁽¹⁾*King Saud University*, ⁽²⁾*KACST*
pp 215 – 218

11:20-11:40

4D electrical resistivity imaging by using dipole-dipole array to predict slope failure, Malaysia

*Hussein Abdelwahab, Kussay Nugamesh Mutter⁽¹⁾, Mohd M. N. Nawawi, Khiruddin Abdullah⁽²⁾, Fouzan Ali Al-Fouzan⁽³⁾ ; ⁽¹⁾*The University of Mustansiryah*, ⁽²⁾*Universiti Sains Malaysia*, ⁽³⁾*Oil and Gas inst. Saudi Arabia*
pp 219 – 222

11:40-12:00

Experimental study on resistivity monitoring for detection of cracks caused by earthquake

*Keisuke Inoue, Hiroomi Nakazato ; *NARO*
pp 223 – 226

12:00-12:20

Partial CRS stack seismic data characterization on AVO anomaly : case study on 2D synthetic seismic data

*Alpius Dwi Guntara⁽¹⁾, Awali Priyono, Djoko Santoso⁽²⁾ ; ⁽¹⁾*PT Pertamina*, ⁽²⁾*ITB*
pp 179 – 182

12:00-12:20

Size effect correction of the resistivity measurements on a fiber concrete beam using 3D resistivity modeling

*Narongchai Wiwattanachang, Pham Huy Giao ; *School of Engineering Technolo*
pp 227 – 230

———— LUNCH ————

CENTENNIAL HALL

Welcome Aeeress and Addresses from Cosponsors

13:30-13:40

Welcome Address

Executive Board Member (T.B.D.) of Kyoto University (in place of the President Hiroshi Matsumoto).

13:40-13:50

Welcome Address

Toshihiro Uchida (President of SEGJ)

13:50-14:30

Congratulatory Addresses

Representatives from ASEG, EEGS, KSEG, SEG

— Open Public Lecture —

Special Session on “Frontier of Science and Technology of Super Computer”

Presided by H. MIKADA

15:00-15:40

Evolution of the Universe over 13.7 billion years

Naoki YOSHIDA: *IPMU, Univ. of Tokyo*

15:40-16:20

Effect of cloud’s characteristics on climate

Wataru OHFUCHI: *JAMSTEC*

16:20-17:00

High-resolution numerical simulation of thermal environment in coastal urban area

Yuuya BABA: *JAMSTEC*

17:00-17:40

The March 2011 Tohoku disaster and tsunami simulation

Kenji SATAKE: *Univ. of Tokyo*

INTERNATIONAL CONFERENCE HALL III

18:30 – 20:30

Reception

Tuesday 22 NOVEMBER 2011

ROOM No.1

Gravity and Magnetism

Chair(s): Kyozo Nozaki, *OYO Corporation*,
Shigeo Okuma, *AIST*

09:20-09:40

A note on constructing the gravity potential meter by using atomic clocks

*Kyozo Nozaki⁽¹⁾, Akito Araya⁽²⁾ ; ⁽¹⁾*OYO Corporation*,
⁽²⁾*University of Tokyo*
pp 263 – 267

09:40-10:00

Applications of a field absolute gravimeter for monitoring temporal gravity changes

*Yoichi Fukuda⁽¹⁾, Jun Nishijima⁽²⁾, Makoto Taniguchi⁽³⁾ ;
⁽¹⁾*Kyoto University*, ⁽²⁾*Kyusyu University*, ⁽³⁾*RIHN*
pp 268 – 271

10:00-10:20

Contribution of magnetic interpretation to investigation of Al-Ays seismically active area, Saudi Arabia

*Eslam Elawadi, Said Mostafa⁽¹⁾, Gad El-Qady⁽²⁾ ; ⁽¹⁾*King Saud University*, ⁽²⁾*NRIAG*
pp 272 – 275

10:20-10:40

Temporal magnetic changes possibly due to cooling magmas as revealed by repeat helicopter-borne surveys over an active volcano

*Takeshi Hashimoto⁽¹⁾, Mitsuru Utsugi⁽²⁾, Tadashi Nakatsuka,
Shigeo Okuma⁽³⁾, Takao Koyama⁽⁴⁾, Wataru Kanda⁽⁵⁾ ; ⁽¹⁾*ISV, Hokkaido Univ.*, ⁽²⁾*IGS, KyotoUniv.*, ⁽³⁾*GSI, AIST*, ⁽⁴⁾*ERI, Univ. Tokyo*, ⁽⁵⁾*VFRC, Tokyo Inst. Tech.*
pp 276 – 279

10:40-11:00

Geophysical evidence for buried volcanic structures beneath the Fukui Plain, central Japan

*Shigeo Okuma, Masahiko Makino, Tadashi Nakatsuka, Masao Komazawa⁽¹⁾, Hirofumi Yamamoto⁽²⁾ ; ⁽¹⁾*GSI/AIST*, ⁽²⁾*Fukui Univ.*
pp 280 – 284

————— BREAK —————

Environmental and Engineering Applications

Chair(s): Hideki Saito, *OYO Corporation*

11:20-11:40

Ground penetrating radar survey of Mishima lava flows in Shizuoka

Yusuke Yoshida, *Hirota Saito⁽¹⁾, Takafumi Kamitani, Masayuki Watanabe, Yasuhide Muranaka⁽²⁾ ; ⁽¹⁾*Tokyo Univ of Agri & Tech*,
⁽²⁾*Shizuoka Inst. Environ. & Hyg.*
pp 322 – 325

11:40-12:00

An application of multi-channel analysis of surface waves (MASW) to a landfill site: A case history

*Koya Suto⁽¹⁾, David Lacey⁽²⁾ ; ⁽¹⁾*Terra Australis Geophysics Pty Ltd*, ⁽²⁾*Aurecon Australia Pty Ltd (now SKM Pty Ltd)*
pp 326 – 329

ROOM No.2

Disaster Mitigation Applications (including 2011 Tohoku M9.0 earthquake and its impact on society, economy and energy strategy)

Chair(s): Hitoshi Mikada, *Kyoto University*,
Nobusuke Hasegawa, *NIED*

09:20-09:40 Invited

Next generation renewable energy in Japan

*Yuzuru Ashida ; *EEFA*
pp 355 – 358

09:40-10:00

Estimation on sustainability for society and economy based on energy return on investment

*Hiroaki Yoritani, Jun Matsushima ; *The University of Tokyo*
pp 359 – 362

10:00-10:20

Soil liquefaction at water front area associated with 2011 Tohoku earthquake; Insight from DInSAR analysis

*Kazuya Ishitsuka, Takeshi Tsuji, Toshifumi Matsuoka⁽¹⁾, Toshimi Mizuno⁽²⁾ ; ⁽¹⁾*Kyoto University*, ⁽²⁾*OYO corporation*
pp 363 – 366

10:20-10:40 Invited

Summary of Fukushima Dai-ichi NPP incident

Osamu Amano ; *Japan Atomic Energy Agency*
pp 367 – 371

10:40-11:00

Suppression of insolation heating based on physical laws -New paradigm in air conditioning-

*Hitoshi Mikada, Eri Ohkawa, Tada-nori Goto, Junichi Takekawa⁽¹⁾, Shin'ya Morino⁽²⁾, Kiyoshi Taniguchi⁽³⁾, Yuzuru Ashida⁽⁴⁾ ;
⁽¹⁾*Kyoto University*, ⁽²⁾*Hakusan Corporation*, ⁽³⁾*Nittoc Corporation*,
⁽⁴⁾*NPO EEFA*
pp 372 – 375

Imaging/Interpretation Case Studies

Chair(s): Hiroaki Yamamoto, *Schlumberger K. K.*,
Nobuyasu Hirabayashi, *Schlumberger K. K.*

11:20-11:40

Long offset VSP and well logging analysis in Nankai trough offshore Kumanonada

*Yoshinori Sanada⁽¹⁾, Ryota Hino⁽²⁾, Masataka Kinoshita⁽¹⁾, Jin-Oh Park⁽³⁾, Eiichiro Araki⁽¹⁾, Takeshi Tsuji⁽⁴⁾, Gregory Moore⁽⁵⁾, Nathan Bangs⁽⁶⁾, Roland von Huene⁽⁷⁾ ; ⁽¹⁾*JAMSTEC*, ⁽²⁾*Tohoku University*, ⁽³⁾*University of Tokyo*, ⁽⁴⁾*Kyoto University*, ⁽⁵⁾*University of Hawaii*, ⁽⁶⁾*University of Houston*, ⁽⁷⁾*University of California*
pp 489 – 492

11:40-12:00

The interpretation for structure of three-dimensional splay fault in Nankai trough

*Reona Masui, Yasuhiro Yamada, Takeshi Tsuji ; *Kyoto University*
pp 493 – 496

12:00-12:20

Utilizing 2-D resistivity imaging method for geophysical site characterization in support of access road expansion project

*Nur Azwin Ismail, Rosli Saad, M. N. M. Nawawi, Nordiana Mohd Muztaza, Noer El Hidayah Ismail, Andy Anderson Bery ; *Universiti Sains Malaysia*
pp 330 – 333

12:20-12:40

Interpretation of biogeophysical signals associated with complex geobiological systems

*Kushal Pal Singh ; *NGRI*
pp 334 – 338

12:00-12:20

Case study on the application of helicopter-borne magnetic survey over a large overburden tunnel in northeastern Hokkaido, Japan

*Kenji Okazaki, Yoshihiko Ito⁽¹⁾, Masayuki Sakakibara⁽²⁾ ;
⁽¹⁾*CERI, PWRI*, ⁽²⁾*Ehime Univ.*
pp 497 – 500

12:20-12:40

Understanding the mechanism of subduction process and its implication to surface seismicity and volcanic activity in Central Java - Indonesia from high resolution tomography

*David Sahara, Sri Widiyantoro, Rachmat Sule, Andri D. Nugraha⁽¹⁾, Birger G. Luehr⁽²⁾ ; ⁽¹⁾*Institut Teknologi Bandung*, ⁽²⁾*GFZ*
pp 501 – 504

LUNCH

ROOM No.1**Shallow/Near-Surface Structural Applications**

Chair(s): Toru Takahashi, *Fukada Geological Institute*

13:40-14:00

Applicability of a particle method with arbitrary particle refinement for elastic wave propagation

*Junichi Takekawa⁽¹⁾, Raul Madariaga⁽²⁾, Hitoshi Mikada, Tada-nori Goto⁽¹⁾ ; ⁽¹⁾*Kyoto University*, ⁽²⁾*Ecole Normale Supérieure*
pp 290 – 293

14:00-14:20

Monitoring near-surface shear-wave velocities in Japan using KiK-net data

*Nori Nakata⁽¹⁾, Roel Snieder⁽²⁾ ; ⁽¹⁾*Kyoto University*, ⁽²⁾*Center for Wave Phenomena*
pp 294 – 297

14:20-14:40

Classifying destruction areas in a stone structure from joint interpretation of resistivity and ground-penetrating radar data

*Kiyosuke Onishi⁽¹⁾, Tomochika Tokunaga⁽²⁾, Yoshihiro Sugimoto, Naoyuki Yamada⁽³⁾, Mohamed Metwaly, Katsuro Mogi⁽²⁾, Ichita Shimoda⁽⁴⁾, Yoshinori Iwasaki⁽⁵⁾ ; ⁽¹⁾*Akita Univ.*, ⁽²⁾*Univ. of Tokyo*, ⁽³⁾*Dia Consultant*, ⁽⁴⁾*Waseda Univ.*, ⁽⁵⁾*GRI*
pp 298 – 301

14:40-15:00

Utilizing magnetic and gravity data to support mapping ground-water zones in the southern Red Sea coast, Saudi Arabia

*Eslem Elawadi, Saad Almogren, Elkhedr Ibrahim, Awni Batayneh ; *KSU*
pp 302 – 305

15:00-15:20

Feasibility study of multi-channel cosmic ray muon telescope and 3D tomography

*Keiichi Suzuki, Hiroshi Ohnuma, Ryuji Kubota⁽¹⁾, Hironobu Asanuma⁽²⁾ ; ⁽¹⁾*KGE*, ⁽²⁾*ENAA*
pp 306 – 309

ROOM No.2**Seismic/Geodetic Imaging Technologies III**

Chair(s): Mamoru Takanashi, *JOGMEC*,
Hideaki Ban, *INPEX*

13:40-14:00 Invited

Full waveform inversion: A hierarchical approach from traveltome tomography through acoustic waveform tomography

*R. Gerhard Pratt, Rie Kamei⁽¹⁾, Drew Benders⁽²⁾ ; ⁽¹⁾*University of Western Ontario*, ⁽²⁾*BP Americas*
pp 59 – 62

14:00-14:20

Waveform tomography imaging of a megasplay fault system in the seismogenic Nankai subduction zone

*Rie Kamei, R. Gerhard Pratt⁽¹⁾, Takeshi Tsuji⁽²⁾ ; ⁽¹⁾*University of Western Ontario*, ⁽²⁾*Kyoto University*
pp 63 – 66

14:20-14:40

Moveout inversion of wide-azimuth data in the presence of velocity lenses

*Mamoru Takanashi, Ilya Tsvankin ; *Colorado School of Mines*
pp 67 – 71

14:40-15:00

Interpretation of the effect of source-receiver configuration for seismic interferometry by multidimensional deconvolution using singular-value decomposition

*Shohei Minato, Toshifumi Matsuoka, Takeshi Tsuji ; *Kyoto University*
pp 72 – 75

15:00-15:20

Low frequency upscaling in seismic

*Alexey Stovas⁽¹⁾, Yuriy Roganov⁽²⁾ ; ⁽¹⁾*Professor NTNU Norway*, ⁽²⁾*UGGPI*
pp 76 – 79

BREAK

Time-Lapse/Monitoring and Rock Physics II

Chair(s): Futoshi Tsuneyama, *Idemitsu Oil and Gas*,
Ayato Kato, *JOGMEC*

15:40-16:00 Invited

Time-lapse acquisition advances with ghost-free dual-sensor streamer acquisition

*Andrew Long, Mazin Farouki ; *PGS*
pp 461 – 464

16:00-16:20

Case study of time-lapse microgravity data on the Wayang Windu geothermal field, Indonesia: Quality control of data acquisition and data application for reservoir analysis

*Setianingsih, Eko J. Wahyudi, Wawan G. A. Kadir, Susanti Alawiyah⁽¹⁾, Rifqa A. Wicaksono, and Yudi I. Kusumah⁽²⁾ ;
⁽¹⁾*Institut Teknologi Bandung*, ⁽²⁾*Star Energy*
pp 465 – 470

16:20-16:40

The proposed inversion technique of remote sensing data for reservoir monitoring

*M. Yusup Nur Khakim, Takeshi Tsuji, Toshifumii Matsuoka ; *Kyoto University*
pp 471 – 474

16:40-17:00

Characterization of ultrasonic scattering effect due to micro-scale heterogeneity in partially frozen brines using magnetic resonance images

*Jun Matsushima, Makoto Suzuki, Yoshibumi Kato, Shuichi Rokugawa ; *The Univ. of Tokyo*
pp 475 – 478

17:00-17:20

Numerical studies on a relationship between coda-Q and stress loaded to the crust

*Kiyosuke Okamoto, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa ; *Kyoto University*
pp 479 – 482

17:20-17:40

Magma migration prior to the eruption at the Showa crater of Sakurajima volcano inferred from the ground deformations in 2009

*Soma Minami, Masato Iguchi, Hitoshi Mikada, Tada-nori Goto, Junichi Takekawa ; *Kyoto University*
pp 483 – 486

17:40-18:00

Closing Remarks

Disaster Mitigation Applications

Chair(s): Shaokong Feng, *Chuo Kaihatsu Corp.*,
Yoshiya Oda, *Tokyo Metropolitan University*

15:40-16:00

Numerical simulation method of tsunami propagation including the effects of seafloor topography

*Tomoya Ohata, Hitoshi Mikada, Tada-Nori Goto, Junichi Takekawa ;
Dept. of Civil and Earth Res.
pp 376 – 379

16:00-16:20

Land subsidence damage detection and imaging using 3D-GPR in Iwaki city, Japan

*Ahmed Gaber, Yuya Yokota, Motoyuki Sato ; *Tohoku University, Japan*
pp 380 – 383

16:20-16:40

A study on evaluating rock slope stability by remotely-positioned laser doppler vibrometers

*Hideki Saito, Masaki Tsuji, Yasunori Ohtsuka⁽¹⁾, Fumiaki Uehan, Osamu Murata⁽²⁾, Guichen Ma, Kazuhide Sawada, Atsushi Yashima⁽³⁾, Takahiro Fukata⁽⁴⁾ ; ⁽¹⁾*Oyo Corp.*, ⁽²⁾*RTRI*, ⁽³⁾*Gifu Univ.*, ⁽⁴⁾*JR West*
pp 384 – 387

16:40-17:00

Characteristics and application test of long period microtremor in China

*Shaokong Feng, Takeshi Sugiyama⁽¹⁾, Ailan Che, Kai Yu⁽²⁾, Lanmin Wang, Zhijian Wu⁽³⁾, Hiroaki Yamanaka⁽⁴⁾ ; ⁽¹⁾*Chuo Kaihatsu Corp.*, ⁽²⁾*Shanghai Jiaotong University*, ⁽³⁾*Lanzhou Institute of Seismo.*, ⁽⁴⁾*Tokyo Institute of Technology*
pp 388 – 391

17:00-17:20

Validation of the deep velocity structure model of the north-west region of the Kanto basin using long-period S-waves from moderate earthquakes

*Yadab Prasad Dhakal, Hiroaki Yamanaka ; *Tokyo Institute of Technology*
pp 392 – 395

EXHIBITORS

Schlumberger Information Solutions (SIS)

Schlumberger

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Companies supported complimentary refreshments in poster session

The organizing committee would like to acknowledge the support from the following companies:

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Tokyo 104-0028 Japan
Phone: +81-3-3288-2936,
Fax: +81-3-3243-8180
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MAIKO-san

In Japanese **MAIKO** literally means 'dancer'. But in Kyoto, a MAIKO is an apprentice geisha, existing in Kyoto only. Maiko are a rare breed now, rarely seen outside other than in the Gion and Pontocho districts. Maiko are easily recognized by their attire. The Obi (a wide belt for kimono) and Kimono of a Maiko are brightly colored and ornately decorated. The Obi is very long and hanging from their waist to their ankles. The Kimono is of the Furisode style with long flapping sleeves. The collar of the under-kimono worn by the Maiko is usually of a red and white patterned material, and shows vividly against the white neck of the Maiko.

Most Maiko are the age of sixteen to eighteen. They learn to play Japanese Shamisen (a three-stringed instrument similar to a banjo) and Japanese Shinobue (a wooden flute) as well as Japanese traditional dances and songs. They also learn traditional cultural arts like flower arrangement and tea ceremony. They learn English conversation, of course, and can talk with foreigners.

In the Reception, Maiko-san will perform Kyomai (Kyoto style dance) on the stage. During the time when Maiko-san will be in attendance, they will make rounds to each table. Enjoy a pleasant chat and taking pictures with them.

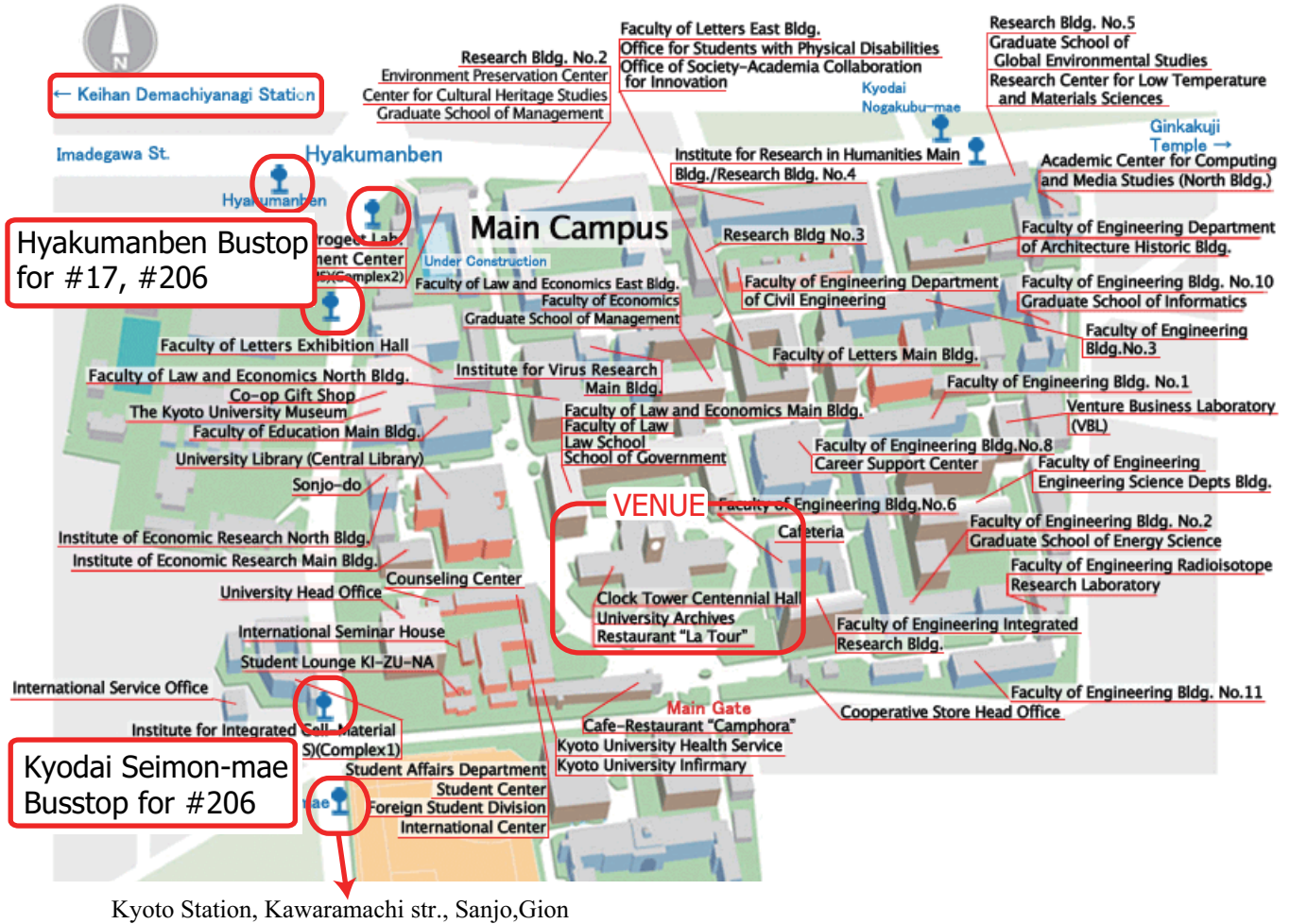
TRANSPORTATION and CAMPUS MAP

Taxi: Kyoto station - Kyoto University

The journey will take about 20 minutes and cost approx. 1,800 yen, but depending on traffic conditions.

Kyoto City Bus: Kyoto station - Kyoto University

The bus ride will take approx. 30-35 minutes and cost 220 yen, but the time depends on traffic conditions. #17 or #206 for Kyoto Station.



'Kyoen Sodefure!' Original Dance by University Students



Contrary to the historical performance by Maiko and Geisha, you can enjoy modern original dance by students from Kyoto University and Kyoto Prefectural University. The dance was newly designed in 2005 by young university students, based on historical performances; Maiko dancing, Kabuki (classical Japanese dance-drama), and Noh (a major form of classical Japanese musical drama). The music includes phrase of famous songs for Maiko and the Kyoto streets, and the costume is remade from traditional Kimono garment. "Kyoen" has meanings of passion from Kyoto, and "Sodefure" means touching a sleeve (i.e., encountering each other). Please enjoy the passionate and friendly events by young students in the Reception of our symposium!