

## SEISMIX2008 Programme

### ***Sunday (June 8<sup>th</sup>)***

**15:00 → Registration**

**20:00 → Icebreaker & Posters**

### ***Monday (June 9<sup>th</sup>)***

8:30 - 9:00 Registration

#### **9:00 – 9:20 Opening**

#### **9:20 – 10:00 Passive continental margins**

**Chair: R.M. Clowes**

\*White, R.S., Roberts, A.W., Smith, L.K., Eccles, J.D., Christie, P.A.F. and Kuszniir, N.J.  
MAGMATISM ON THE NORTH ATLANTIC CONTINENTAL MARGINS: SEISMIC CONSTRAINTS AND GEOLOGICAL INFERENCES

\*Eccles, J.D., White, R.S. and Christie, P.A.F.  
WIDE ANGLE CONVERTED SHEAR WAVES: FURTHER CONSTRAINT ON THE STRUCTURE OF VOLCANIC RIFTED CONTINENTAL MARGINS IN THE NORTH ATLANTIC

#### **10:00 – 10:20 The continental mantle**

**Chair: R.M. Clowes**

\*Artemieva, I.M.  
HETEROGENEOUS MANTLE: CONSTRAINTS FROM JOINT INTERPRETATION OF SEISMIC AND THERMAL DATA

#### **10:20 – 10:50 Break**

#### **10:50 – 12:30 The continental mantle (cont.)**

**Chair: R.S. White**

\*Clowes, R.M., White, D.J. and Hajnal, Z.  
MANTLE HETEROGENEITIES AND THEIR SIGNIFICANCE: RESULTS FROM LITHOPROBE SEISMIC REFLECTION AND REFRACTION/WIDE-ANGLE STUDIES

\*Pavlenkova, N.I.  
RHEOLOGICAL MODEL OF THE UPPER MANTLE FROM THE LONG-RANGE SEISMIC DATA

\*Kanao, M., Fujiwara, A., Ikawa, T., Miyamachi, H., Usui, Y., Inoue, T. and Yamada, A.  
UPPER MANTLE STRUCTURE OF THE PAN-AFRICAN MOVIL BELT, EAST ANTARCTICA, FROM ACTIVE AND PASSIVE STUDIES

\*Thybo, H.  
FINE SCALE HETEROGENEITY IN THE EARTH'S CRUST AND MANTLE

\*Rawlinson, N. and Kennett, B.L.N.  
EXPLORING DEEP AUSTRALIA USING ACTIVE AND PASSIVE SEISMIC ARRAYS

#### **12:30 – 14:00 Lunch**

## **14:00 – 15:20 Seismic exploration of mineral resources and seismic studies on nuclear waste disposal**

**Chair: D.B. Snyder**

\*Brown, L.D. and Cathles, L.  
DEEP SEISMIC IMAGING OF LITHOSPHERIC FLUIDS: "BRIGHT SPOTS" AND ORE GENESIS

\*Sorjonen-Ward, P., Blewett, R., Goleby, B.R. and Kukkonen, I.T.  
SEISMIC IMAGING OF MINERAL SYSTEMS AT VARIOUS SCALES: SOME COMPARATIVE VIEWS FROM ON TOP AND DOWN UNDER IN FINLAND

\*Juhlin, C.  
SUB-HORIZONTAL REFLECTIONS AT 2-5 KM DEPTH AT THREE DIFFERENT SITES ALONG THE BALTIC SEA AND THE GULF OF BOTHNIA: FRACTURE ZONES OR MAFIC SHEETS?

\*Kukkonen, I.T. and HIRE Working Group  
PROJECT HIRE: HIGH RESOLUTION REFLECTION SEISMIC SURVEYS IN ORE EXPLORATION OF CRYSTALLINE ROCK AREAS

## **15:20 – 15:50 Break**

## **15:50 – 17:10 Seismic exploration of mineral resources and seismic studies on nuclear waste disposal (cont.)**

**Chair: P. Heikkinen**

\*Cosma, C., Enescu, N., Juhlin, C. and Wood, G.  
HIGH RESOLUTION SEISMIC IMAGING AT THE MILLENNIUM URANIUM DEPOSIT, CANADA

Cosma, C., \*Juhojuntti, N., Juhlin, C. and Wood, G.  
3D-SEISMIC SURVEY AT THE MILLENNIUM URANIUM DEPOSIT IN THE ATHABASCA BASIN, CANADA

\*Enescu, N. and Cosma, C.  
BOREHOLE SEISMIC SIDE-SCANS FOR MINERAL RESOURCE DELINEATION

\*Patisson, N.L. Sorjonen-Ward, P., Ojala, V.J. and Korja, A.  
TECTONIC SETTING OF FINNISH MINERAL DEPOSITS: EVIDENCE FROM THE FINNISH REFLECTION EXPERIMENT (FIRE)

## **17:10 – 18:00 Break**

## **18:00 Invited talk: David Snyder**

SEISMIC METHODS APPLIED TODAY IN MINERAL EXPLORATION AND FOR RESOURCE ASSESSMENT OF CRYSTALLINE ROCK

## **19:00 Dinner**

## **Tuesday (June 10<sup>th</sup>)**

### **9:00 – 10:20 Active continental margins and subduction structures I**

**Chair: E. Lüschen**

\*Sato, H., Ito, K., Abe, S., Kato, N., Iwasaki, T., Hirata, N. and Kawanaka, N.  
DEEP SEISMIC PROFILING IN THE KINKI REGION, CENTRAL JAPAN: SUBDUCTION, BASIN DEVELOPMENT AND SLIP-PARTITIONING OF ACTIVE FAULTS

\*Arai, R., Iwasaki, T., Sato, H., Abe, S. and Hirata, N.  
COLLISION AND SUBDUCTION STRUCTURE OF THE IZU-BONIN ARC IN CENTRAL JAPAN

\*Gross, K., Buske, S., Wigger, P. and Shapiro, S.A.  
SEISMIC IMAGING OF THE CHILEAN SUBDUCTION ZONE AROUND THE HYPOCENTER OF THE 1960 VALDIVIA EARTHQUAKE

\*Park, J.-O., Moore, G. and Fujie G.  
3D PRESTACK DEPTH IMAGING OF A LOW VELOCITY ZONE ALONG THE NANKAI SUBDUCTION ZONE, SOUTHWEST JAPAN

### **10:20 – 10:50 Break**

### **10:50 – 12:30 Active continental margins and subduction structures I (cont.)**

**Chair: H. Sato**

\*Ito, T., Ikeda, Y., Iwasaki, T., Kano, K., Sato, H., Hirata, N., Abe, S., Miyauchi, T., Yamakita, S., Higashinaka, M., Suda, S. and Kawanaka, T.  
INITIAL STRUCTURE OF THE ITOIGAWA-SHIZUOKA TECTONIC LINE EMERGING FROM THE RECENT DEEP SEISMIC PROFILINGS, CENTRAL JAPAN

\*Shiomi, K. and Park, J.  
STRUCTURAL FEATURES OF THE SUBDUCTING SLAB BENEATH THE KII PENINSULA, CENTRAL JAPAN: 1. SEISMIC EVIDENCE OF SLAB SEGMENTATION

\*Lüschen, E., Müller, C., Kopp, H., Planert, L., Engels, M., Shulgin, A. and Djajadihardja, Y.S.  
SUBDUCTION ALONG THE SUNDA-BANDA ARC TRANSITION

\*Iidaka, T., Hiramatsu, Y. and Japanese University Group of the Joint Seismic Observations at NKTZ  
SEISMIC ANISOTROPY STUDY AT THE HIGH STRAIN RATE ZONE (NIIGATA-KOBE TECTONIC ZONE), IN CENTRAL JAPAN

\*Matsubara, M. and Obara, K.  
HIGH POISSON'S-RATIO ZONE ACCOMPANIED ACCOMPANYING SLOW EVENTS BENEATH THE SOUTHWESTERN JAPAN

### **12:30 – 14:00 Lunch**

## **14:00 – 14:40 Seismic studies in polar regions**

**Chair: H. Thybo**

\*Kozlovskaya, E. and POLENET/LAPNET Working Group  
POLENET/LAPNET – A MULTIDISCIPLINARY SEISMIC ARRAY RESEARCH IN NORTHERN  
FENNOSCANDIA: FIRST RESULTS

\*Gohl, K.  
INSIGHTS INTO THE STYLE AND GEODYNAMIC IMPLICATIONS OF CIRCUM-ANTARCTIC  
PASSIVE CONTINENTAL MARGINS AND THEIR CONTINENT-OCEAN TRANSITIONS

## **14:40 – 15:20 Integrated multidisciplinary case studies**

**Chair: H. Thybo**

\*Juhlin, C., Lund, B., Dehghannejad M. and Malehmir, A.  
REFLECTION SEISMIC IMAGING OF THE END-GLACIAL PÄRVIE FAULT SYSTEM, NORTHERN  
SWEDEN

\*Milshtein E.D., Kalicheva, T.I., Nikitin, A.A. and Erinchek Y.M.  
3D MODEL OF EAST FENNOSCANDIA DEEP STRUCTURE: INTEGRATION OF SEISMIC  
PROFILING AND GRAVIMETRIC DATA

## **15:20 – 15:50 Break**

## **15:50 – 16:50 Integrated multidisciplinary case studies (cont.)**

**Chair: E. Kozlovskaya**

\*Palomeras, I., Fernández, M., Carbonell, R., Simancas, F., Ayarza, P., Martínez Poyatos, D., Azor, A.,  
González-Lodeiro, F. and Pérez-Estaún, A.  
GEOPHYSIC MODEL OF THE LITHOSPHERE ACROSS THE VARISCAN BELT OF SW-IBERIA:  
MULTIDISCIPLINARY ASSESSMENT

\*Iwasaki, T. and the Geophysical Research Group for the Niigata-Kobe Tectonic Zone  
AN INTEGRATED GEOPHYSICAL RESEARCH FOR ATOTSUGAWA FAULT (AGF), CENTRAL  
JAPAN

\*Erinchek Y.M., Petrov, O.V., Lipilin, A.V. and Goleby B.R.  
INTERNATIONAL WORKSHOP “MODELS OF THE EARTH’S CRUST AND UPPER MANTLE”

## **16:50 – 18:00 Break**

## **18:00 Invited talk: Marek Grad**

EUROPEAN CRUST AND MOHO DISCONTINUITY: ONE HUNDRED YEARS FROM THE  
DISCOVERY OF THE CRUST-MANTLE BOUNDARY

## **19:00 Dinner**

## **Wednesday (June 11<sup>th</sup>)**

### **9:00 – 10:20 Classical transects**

**Chair: C. Juhlin**

\*Finlayson, D.M. and Goleby, B.R.

IGCP PROJECT 474: AN INFORMATION RESOURCE FOR DEEP SEISMIC PROFILING AND IMAGING

Parsiegla, N., \*Gohl, K., Uenzelmann-Neben, G. and Stankiewicz, J.

THE AGULHAS-KAROO GEOSCIENCE TRANSECT: STRUCTURES AND PROCESSES ALONG THE SOUTHERN AFRICAN CONTINENTAL MARGIN

\*Heikkinen, P., Kukkonen, I.T., Suleimanov, A. and Zamoshnyaya, N.

SEISMIC IMAGE OF THE FENNOSCANDIAN SHIELD ALONG THE BALTIC SEA - WHITE SEA TRANSECT

\*Carbonell, R., Simancas, F., Martínez-Poyatos, D., Ayarza, P., González, P., Tejero, R., Martín-Parra, L., Matas, J., González-Lodeiro, F., Pérez-Estaún, A., García-Lobon, J.L. and Mansilla, L.

SEISMIC IMAGING OF THE STRUCTURE OF THE CENTRAL IBERIAN ZONE: THE ALCUDIA DEEP SEISMIC REFLECTION TRANSECT

### **10:20 – 10:50 Break**

### **10: 50 – 11:10 Intra-continental collision and accretion**

**Chair: K. Gohl**

\*Kukkonen, I.T., Kuusisto, M., Lehtonen, M. and Peltonen, P.

UPPERMOST MANTLE REFLECTORS AND MOHO-CUTTING REFLECTORS IN CENTRAL FENNOSCANDIA: DELAMINATION STRUCTURES?

### **11:10 – 12:10 Continental rifts and basins**

**Chair: K. Gohl**

\*Li, C.-F., Zhou, Z., Li, J., Chen, B. and Geng, J.

SEISMIC STRUCTURE OF THE SOUTH CHINA SEA OCEAN BASIN

\*Thybo, H., Lyngsie, S.B. and Nielsen, C.A.

CONTINENTAL RIFTING WITH FLAT MOHO

\*Dena, O., Miller, K.C. and ten Brink, U.

CRUSTAL STRUCTURE OF NORTHERN LAKE BAIKAL, RUSSIA

### **12:10 – 13:30 Lunch**

### **13:30 Mid-symposium excursion**

## **Thursday (June 12<sup>th</sup>)**

### **9:00 – 10:20 Active continental margins and subduction structures II**

**Chair: R. Carbonell**

\*Iidaka, T. and The Research Group for the 2007 Atotsugawa Fault Seismic Expedition  
FINE SEISMIC STRUCTURE AROUND THE ATOTSUGAWA FAULT REVEALED BY SEISMIC REFRACTION AND REFLECTION EXPERIMENTS

\*Fernández Viejo, G., Pulgar, J.A., Gallastegui, J. and Gallart J.  
LATERAL VARIATION OF SUBDUCTION-COMPRESSION STRUCTURES ALONG THE NORTH IBERIAN MARGIN FROM DEEP SEISMIC REFLECTION DATA

\*Hino, R., Yamamoto, Y., Ito, Y., Azuma, R., Hasegawa, A., Yamada, T., Nakahigashi, K., Kuwano, A., Mochizuki, K., Sakai, S., Shinohara M., Kanazawa T., Takanami T., Murai, Y., Amamiya, S. and Machida, Y.  
3D SEISMIC STRUCTURE OF THE FOREARC AREA IN EASTERN HOKKAIDO, JAPAN, BY USING OCEAN BOTTOM SEISMOGRAPHIC OBSERVATION

\*Ito, Y., Matsubara, M. and Nakajima, J.  
SEISMICITY AND TOMOGRAPHY ALONG JAPAN TRENCH REVEALED BY HYBRID METHOD FOR HYPOCENTER DETERMINATION USING WAVEFORM AND TRAVEL TIME

### **10:20 – 10:50 Break**

### **10:50 – 11:10 Active continental margins and subduction structures II (cont.)**

**Chair: L.D. Brown**

\*Iwasaki, T., Ikeda, Y., Sato H., Ito, T., Kano, K., Higashinaka, M., Suda, S., Kawanaka T. and Research Group for Active Fault Systems along Itoigawa-Shizuioka Tectonic Line  
GEOMETRY OF ACTIVE FAULT SYSTEMS DEVELOPED ALONG ITOI-GAWA-SHIZUIOKA TECTONIC LINE, CENTRAL JAPAN, FROM RECENT SEISMIC REFLECTION SURVEYS

### **11:10 – 12:30 Innovative seismic acquisition and processing techniques and Numerical modelling and inverse methods in seismology**

**Chair: L.D. Brown**

\*Hurich, C.A.  
HETEROGENEITY MAPPING AS AN APPROACH TO CHARACTERIZING COMPLEX REFLECTION WAVE FIELDS

Abe, S., Saito, H., \*Sato, H., Koshiya, S., Shiraishi, K., Kato, N. and Kawanaka, T.  
INTEGRATED SEISMIC IMAGING OF ACTIVE AND PASSIVE DATA FOR THE DELINEATION OF ACTIVE FAULTS AND CRUSTAL STRUCTURE IN THE KITAKAMI LOWLAND, NORTHEAST JAPAN

\*Saygin, E. and Fomin, T.  
EVALUATION OF SEISMIC STRUCTURE OF NORTHEASTERN YILGARN CRATON FROM AMBIENT NOISE TOMOGRAPHY

Pylypenko, V.N., \*Verpakhovska, O., Starostenko, V.I. and N.I. Pavlenkova  
WAVE IMAGES OF THE CRUSTAL STRUCTURE FROM REFRACTIONS AND WIDE-ANGLE REFLECTIONS MIGRATION ALONG THE DOBRE PROFILE (DNIEPER-DONETS PALEORIFT)

### **12:30 – 14:00 Lunch**

**14:00 – 15:20 Innovative seismic acquisition and processing techniques and Numerical modelling and inverse methods in seismology (cont.)**

**Chair: M. Grad**

\*Carpentier, S.F.A., Roy-Chowdhury, K., Hurich, C.A. and Stephenson, R.A.  
MAPPING CORRELATION LENGTHS OF LOWER CRUSTAL HETEROGENEITIES FROM DEEP REFLECTION DATA FOR DELINEATING TECTONIC UNITS

Jung, H., \*Lee, J.M., Jang, Y.-S., Moon, W.M., Baag, C.-E., Kim, K.Y. and Jo, B.G.  
SHALLOW-DEPTH SHEAR WAVE VELOCITY STRUCTURE OF THE SOUTHERN KOREAN PENINSULA OBTAINED FROM TWO CRUSTAL-SCALE SEISMIC PROFILES

\*Pylypenko, V.N., Makris, J. and Verpakhovska, O.  
REFRACTION MIGRATION AT SEISMIC STUDIES: POSSIBILITIES AND PROBLEMS

\*Oueity, J., Kumar, V., Clowes, R.M. and Herrmann, F.  
CURVELET DENOISING: A NEW APPROACH FOR IMPROVED CRUSTAL REFLECTION IMAGES

**15:20 – 15:50 Break**

**15:50 – 16:50 Innovative seismic acquisition and processing techniques and Numerical modelling and inverse methods in seismology (cont.)**

**Chair: C.A. Zelt**

\*Roy-Chowdhury, K.  
IMAGING & INTERPRETING CONTINENTAL LOWER CRUST: FROM POTENTIAL PROBLEMS TO PROBABLE PROCESSES

\*Schmelzbach, C., Simancas, F., Juhlin, C. and Carbonell, R.  
SEISMIC-REFLECTION IMAGING OVER THE SOUTH-PORTUGUESE ZONE FOLD-AND-THRUST BELT, SW IBERIA

Giustiniani, M., Catalano, R., Accaino, F., Sulli, A., Di Marzo, L., \*Nicolich, R. and Valenti, V.  
A CRUSTAL SEISMIC PROFILE ACROSS SICILY (ITALY): PRELIMINARY RESULTS

**16:50 – 18:00 Break**

**18:00 Invited talk: Colin A. Zelt**

FORWARD AND INVERSE MODELING OF CONTROLLED-SOURCE SEISMIC DATA

**20:00 Conference Dinner**

**Friday (June 13<sup>th</sup>)****9:00 – 10:20 Crust forming processes and seismic studies****Chair: A. Korja**

\*Kodaira, S., Takahashi, N., Sato, T., Obana, K., Takahashi, T. and Kaneda, Y.  
FORMATION PROCESS OF CONTINENTAL CRUST IN THE IZU-BONIN INTRA-OCEANIC ARC  
REVEALED BY ACTIVE - PASSIVE SEISMIC STUDIES

\*Rybalka, A., Petrov, G., Kashubin, S. and Juhlin, C.  
PALEOZOIC MANTLE-CRUSTAL OROGENIC STRUCTURES AND PRESENT SURFACE  
GEOLOGICAL FEATURES OF THE MIDDLE URALS (BASED ON THE ESRU TRANSECT DATA)

Goleby, B.R., Maher, J., Jones, L.E.A., Fomin, T., Costelloe, R., Tassell, H., Holzschuh, J.,  
Nakamura, A. and \*Saygin, E.  
IMAGING AUSTRALIAN ENERGY PROVINCES USING SEISMIC REFLECTION PROFILING

\*Stratford, W., Thybo, H., Faleide, J., Olesen, O. and Tryggvason, A.  
LITHOSPHERIC STRUCTURE OF THE SOUTHERN SCANDES: RESULTS FROM THE MAGNUS-  
REX SEISMIC EXPERIMENT

**10:20 – 10:50 Break****10:50 – 12:10 Crust forming processes and seismic studies (cont.)****Chair: I.T. Kukkonen**

\*Korja, A., Kosunen, P. and Heikkinen, P.  
COLLAPSE STRUCTURES OF THE SVECOFENNIAN OROGEN

\*Sorjonen-Ward, P., Lukkarinen, H., Paavola, J. and Äikäs, O.  
SEISMIC IMAGING OF INTERACTION BETWEEN DEFORMATION AND PLUTON EMPLACEMENT  
IN EASTERN FINLAND

\*Kozlovskaya, E., Janik, T., Yliniemi, J. and Heikkinen, P.  
PETROLOGICAL CRUST-MANTLE BOUNDARY VS. SEISMIC MOHO IN THE CENTRAL  
FENNOSCANDIAN SHIELD: CONSTRAINTS FROM COLLOCATED WIDE-ANGLE AND NEAR-  
VERTICAL SEISMIC PROFILES

Kousa, J., \*Rutland, R.W.R., Sorjonen-Ward, P. and Williams, I.S.  
GEOLOGICAL SIGNIFICANCE OF THE REGIONAL CHANGE IN REFLECTIVITY BETWEEN THE  
UPPER AND MIDDLE CRUST IN THE SVECOFENNIAN PROVINCE

**12:10 Closing & Lunch**



## Posters

### Passive continental margins

1. \*Deemer, S.J., Hurich, C.A. and Hall, J.  
MAPPING POST RIFT SILLS ALONG THE NEWFOUNDLAND PASSIVE MARGIN
2. \*Deemer, S.J. and Hall, J.  
A REGIONAL TRANSECT ACROSS THE SOUTH NEWFOUNDLAND BASIN NONVOLCANIC MARGIN
3. Smith, J., Hall, J. and \*Deemer, S.J.  
RIFTING IN THE NORTHERN NEWFOUNDLAND BASIN AT A NONVOLCANIC MARGIN
4. Domingos, M., \*Afilhado, A., Matias, L., Hirn, A. and Moulin, M.  
PRELIMINARY RESULTS OF OBS AND COINCIDENT MCS PROFILE STRIKING PARALLEL TO THE WEST IBERIAN MARGIN
5. \*Eccles, J.D., White, R.S. and Christie, P.A.F.  
WIDE ANGLE CONVERTED SHEAR WAVES: FURTHER CONSTRAINT ON THE STRUCTURE OF VOLCANIC RIFTED CONTINENTAL MARGINS IN THE NORTH ATLANTIC

### The continental mantle

6. \*Ayarza, P., Palomeras, I., Simancas, F., Carbonell, R., Martínez-Poyatos, D., Azor, A., Pérez-Estaún, A. and Gonzalez-Lodeiro, F.  
IDENTIFICATION OF THE HALES REFLECTOR IN SW IBERIA. SOME CONSTRAINTS ON ITS NATURE
7. \*Carbonell, R., Pazos, A., Morales, J., Garcia-Lobon, J.L., Cordoba, D., Pulgar, J., Harnafi, M., Diaz, J., Villaseñor, A. and Gallart, J.  
THE IBERARRAY SEISMIC PLATFORM: ASSESSING THE DEEP STRUCTURE OF THE LITHOSPHERE BENEATH THE IBERIAN PENINSULA
8. \*Kanao, M., Fujiwara, A., Ikawa, T., Miyamachi, H., Usui, Y., Inoue, T. and Yamada, A.  
UPPER MANTLE STRUCTURE OF THE PAN-AFRICAN MOVIL BELT, EAST ANTARCTICA, FROM ACTIVE AND PASSIVE STUDIES
9. Suvorov, V.D., Mishenkina, Z.R. and \*Melnik, E.A.  
STUDY OF THE UPPER MANTLE 3D STRUCTURE BENEATH SIBERIA FROM PEACEFUL NUCLEAR EXPLOSION DATA

### Seismic exploration of mineral resources and seismic studies on nuclear waste disposal

10. \*Heinonen, S., Schijns, H., Schmitt, D., Heikkinen, P. and Kukkonen, I.T.  
SEISMIC REFLECTIVITY AND ANISOTROPY IN OUTOKUMPU, FINLAND BASED ON HIGH RESOLUTION SEISMIC SURVEY AND BOREHOLE DATA
11. Cosma, C., \*Juhojuntti, N., Juhlin, C. and Wood, G.  
3D-SEISMIC SURVEY AT THE MILLENNIUM URANIUM DEPOSIT IN THE ATHABASCA BASIN, CANADA
12. \*Cosma, C., Enescu, N., Juhlin, C. and Wood, G.  
HIGH RESOLUTION SEISMIC IMAGING AT THE MILLENNIUM URANIUM DEPOSIT, CANADA
13. \*Enescu, N. and Cosma, C.  
BOREHOLE SEISMIC SIDE-SCANS FOR MINERAL RESOURCE DELINEATION

14. \*Iljina, M. and Salmirinne, H.  
SUHANKO REFLECTION SEISMIC PROFILE AND INTEGRATED GEOLOGICAL-GEOPHYSICAL MODEL OF THE PORTIMO AREA
15. Snyder, D.B.  
SEISMIC METHODS APPLIED TODAY IN MINERAL EXPLORATION AND FOR RESOURCE ASSESSMENT OF CRYSTALLINE ROCK
16. \*Sorjonen-Ward, P., Blewett, R., Goleby, B.R. and Kukkonen, I.T.  
SEISMIC IMAGING OF MINERAL SYSTEMS AT VARIOUS SCALES: SOME COMPARATIVE VIEWS FROM ON TOP AND DOWN UNDER IN FINLAND
17. \*Trofimov, V. and Trofimov, A.  
SPECIFICS OF DATA ACQUISITION AND PROCESSING FOR CARRYING OUT DEEP CMP SEISMIC INVESTIGATIONS IN OIL-BEARING REGIONS
18. \*White, D.J. and Malinowski, M.  
3D SEISMIC IMAGING IN THE FLIN FLON MINING CAMP, CANADA

## **Active continental margins and subduction structures**

19. \*Arai, R., Iwasaki, T., Sato, H., Abe, S. and Hirata, N.  
CRUSTAL STRUCTURE BENEATH THE EASTERN PART OF THE IZU COLLISION ZONE, CENTRAL JAPAN, REVEALED BY REFRACTION/WIDE-ANGLE REFLECTION ANALYSIS
20. \*Azuma, R., Hino, R., Ito, Y., Takanami, T., Miura, Y., Ichijo, K., Mochizuki, K., Igarashi, T., Uehira, K., Sato, T., Shinohara, M. and Kanazawa, T.  
P-WAVE VELOCITY STRUCTURE OF THE CRUST AND THE UPPERMOST MANTLE OF THE SUBDUCTED PACIFIC PLATE NEAR THE JAPAN TRENCH BY AIRGUN-OBS SEISMIC SURVEY
21. Davey, F.J.  
SEISMIC REFLECTION MEASUREMENTS ACROSS THE HIKURANGI BACK-ARC REGION, NEW ZEALAND
22. \*Gross, K., Buske, S., Wigger, P. and Shapiro, S.A.  
SEISMIC IMAGING OF THE CHILEAN SUBDUCTION ZONE AROUND THE HYPOCENTER OF THE 1960 VALDIVIA EARTHQUAKE
23. \*Iidaka, T. and The Research Group for the 2007 Atotsugawa Fault Seismic Expedition  
FINE SEISMIC STRUCTURE AROUND THE ATOTSUGAWA FAULT REVEALED BY SEISMIC REFRACTION AND REFLECTION EXPERIMENTS
24. \*Iidaka, T., Hiramatsu, Y. and Japanese University Group of the Joint Seismic Observations at NKTZ  
SEISMIC ANISOTROPY STUDY AT THE HIGH STRAIN RATE ZONE (NIIGATA-KOBE TECTONIC ZONE), IN CENTRAL JAPAN
25. \*Ito, Y., Matsubara, M. and Nakajima, J.  
SEISMICITY AND TOMOGRAPHY ALONG JAPAN TRENCH REVEALED BY HYBRID METHOD FOR HYPOCENTER DETERMINATION USING WAVEFORM AND TRAVEL TIME
26. \*Iwasaki, T., Iidaka, T., Kurashimo, E., Katao, H., Kaneda, Y. and Research Group for 2006 Kii Seismic Expedition  
SUBDUCTION STRUCTURE BENEATH THE EASTERN PART OF THE KII PENINSULA, SW JAPAN, FROM REFRACTION/WIDE-ANGLE REFLECTION EXPERIMENT
27. \*Iwasaki, T., Ikeda, Y., Sato, H., Ito, T., Kano, K., Higashinaka, M., Suda, S., Kawanaka, T. and Research Group for Active Fault Systems along Itoigawa-Shizuioka Tectonic Line  
GEOMETRY OF ACTIVE FAULT SYSTEMS DEVELOPED ALONG ITOI-GAWA-SHIZUIOKA TECTONIC LINE, CENTRAL JAPAN, FROM RECENT SEISMIC REFLECTION SURVEYS
28. \*Kaneda, Y. and The Nankai trough Structural research group  
RESEARCH IN COUPLED MEGA-THRUST EARTHQUAKES AROUND THE NANKAI TROUGH SOUTHWESTERN JAPAN

29. Kikuchi, S., \*Tsumura, N., Ito, T., Sato, H., Iwasaki, T., Hirata, N., Ikeda Y., Abe, S., Aoyagi, Y., Kawanaka, T., Abe, S., Higashinaka, M. and Kozawa, T.  
THE CONFIGURATION OF AN ASEISMIC SLAB BENEATH THE COLLISION ZONE BETWEEN IZU AND JAPAN-HONSHU ARCS, INFERRED FROM WIDE-ANGLE REFLECTION AND RECEIVER FUNCTION ANALYSES
30. \*Kurashimo, E., Kato, A., Hirata, N., Iwasaki, T., Iidaka, T., Ito, K., Yamazaki, F., Miyashita, K. and Obara, K.  
DETAILED STRUCTURE OF THE LOCKED-SLIDING TRANSITION ON THE SUBDUCTING PLATE BOUNDARY BENEATH THE SOUTHERN PART OF KII PENINSULA, SOUTHWESTERN JAPAN
31. \*Lüschen, E., Müller, C., Kopp, H., Planert, L., Engels, M., Shulgin, A. and Djajadihardja, Y.S.  
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