

Symposium Program

January 18th and 19th at Hokudan-cho Communication Center

January 18th, 2000 AM

Opening addresses and plenary lectures

- Nobuyuki Yonekura** (University of Tokyo) Geological and geomorphological studies of large earthquakes in and around Japan [paper number: 1811]
- David P. Schwartz** (U.S. Geological Survey) Paleoseismology, earthquake recurrence, and the challenge ahead [1812]
- Daniela Pantosti** (Istituto Nazionale di Geofisica, Rome) Earthquake recurrence through time [1813]

January 18th, 2000 PM

Fundamental ideas on active faulting and earthquakes

- Steven G. Wesnousky** (University of Nevada) The role of neotectonics in the study of fault mechanics and seismic hazard [1821]
- David D. Jackson** (University of California Los Angeles) Estimating earthquake potential from faults [1822]

Studies into Japanese active faults

- Yohta Kumaki** (Science and Technology Agency) Activity of the headquarters for Earthquake Research Promotion of Japan with special reference to evaluation of active fault activity [1831]
- Yuichi Sugiyama** (Geological Survey of Japan) Evaluating earthquake potential of major active faults in the Kinki-Triangle [1832]
- Chesley Williams** (Risk Management Solutions, Inc.) Probabilistic seismic hazard analysis of Japan [1833]

January 19th, 2000 AM

Application and knowledge transfer on active faulting and hazard mitigation

- Earl W. Hart** (California Department of Mines and Geology) Alquist-Priolo earthquake fault

zoning act: mitigating the hazard of surface faulting in California [1911]

- Yoshihiro Kinugasa** (Tokyo Institute of Technology) Application of active fault study for earthquake disaster mitigation [1912]
- Jill H. Andrews** (Southern California Earthquake Center) Development and implementation of an outreach program to promote public awareness of seismic hazards and encourage risk mitigation in vulnerable communities [1913]
- Robert Reitherman** (California Universities for Research in Earthquake Engineering) Engineering aspects of surface fault rupture [1914]

January 19th, 2000 PM

*Large earthquakes in 1990s
Landers, Kobe, Izmit, Chi-chi, and Düzce*

- Aykut Barka** (Istanbul Technical University) The North Anatolian fault and August-17-1999 Kocaeli earthquake [1921]
- Thomas K. Rockwell** (San Diego State University) The North Anatolian fault around the Marmara Sea, and pre- and post-earthquake research after the August 17, 1999 Kocaeli earthquake [1922]
- Yoko Ota** (The Science Council of Japan, Liaison Committee on Quaternary Research) Characteristics of earthquake fault associated with 9.21 Chi-chi earthquake, central Taiwan, especially on the relationship between earthquake fault and pre-existing Quaternary active fault [1923]
- Hung-Chie Chiu** (Institute of Earth Sciences, Academia Sinica) The near-source ground motions from Chi-chi, Taiwan earthquake [1924]
- Kojiro Irikura** (Disaster Prevention Research Institute, Kyoto University) Strong ground motions near faults and earthquake damage—recipe of strong motion prediction— [1931]
- Paul Somerville** (URSGWC Federal Service) The characteristics of subsurface faulting [1932]

School Program

January 20th, 21st, and 23rd

at the Seminar House of the Hokudan-cho Earthquake Memorial Park

January 20th, 2000

*Active faulting under various
tectonic conditions*

- Amgalan Bayasgalan** (Institute of Informatics, Mongolian Academy of Sciences) Active faulting in Mongolia [2001]
- Min Wei** (China Seismological Bureau) The detailed study on Holocene paleoearthquakes of Haiyuan active fault [2002]
- Carlos H. Costa** (National University of San Luis) Quaternary deformation at the central Andes orogenic front and Foreland regions of Argentina [2003]
- Kelvin Berryman** (Institute of Geological & Nuclear Sciences Ltd.) Earthquake geology studies in New Zealand and their application to seismic hazard [2004]
- Shmuel Marco** (Geological Survey of Israel) Historical earthquake deformations revealed by 3D trenching on Dead Sea transform [2005]
- Michel Sebrier** (CNRS Géodynamique Interne) Active faulting and seismic hazard in regions of moderate seismicity, the case of Provence (SE France) [2006]

*The North Anatolian fault
and stress change analyses*

- Bertrand Meyer** (Institut de Physique du Globe, Paris) Active faulting in Marmara Sea and Corinth rift areas, implications on evolution of the Anatolia-Aegean region [2007]
- Ismail Kuşçu** (MTA, Ankara) The North Anatolian fault zone under the sea of Marmara, imaged by seismic reflection profiles [2008]
- Ross S. Stein** (U.S. Geological Survey) The role of stress transfer in the 1999 M=7.4 Izmit and M=7.2 Düzce earthquakes on the North Anatolian fault [2009]
- Shinji Toda** (Earthquake Research Institute, University of Tokyo) Coseismic static stress change and its effect on aftershocks and future earthquake probability [2010]

January 21st, 2000

*Deeper part of active faults,
tectonics, and earthquakes*

- Hisao Ito** (Geological Survey of Japan) Deeper structure of the Nojima fault by drilling [2101]
- Dapeng Zhao** (Ehime University) What caused the 1995 Kobe earthquake? –evidence from seismic tomography–[2102]
- Yasutaka Ikeda** (University of Tokyo) Mantle-lid delamination as a possible cause of Pliocene-Quaternary tectonic events in central Japan [2103]
- Bertrand Meyer** (Institut de Physique du Globe, Paris) Active faulting along the north-eastern edge of Tibet, implications on Plateau formation [2104]

Archaeological paleoseismology in Japan

- Akira Sangawa** (Geological Survey of Japan) Seismoarchaeology [2105]

*Recurrence of large earthquakes:
physical background and models*

- Manabu Hashimoto** (Disaster Prevention Research Institute, Kyoto University) A simulation of activity of large earthquakes in and around the Japanese islands with interacting fault system model [2106]
- Kunihiko Shimazaki** (Earthquake Research Institute, University of Tokyo) Simple models of earthquake recurrence [2107]
- Kuvvet Atakan** (University of Bergen) Uncertainties in paleoseismology: Implications for the earthquake recurrence database [2108]
- David P. Schwartz** (U.S. Geological Survey) Earthquake probabilities in the San Francisco Bay region: 2000 to 2030 –a summary of findings– [2109]
- Kerry Sieh** (California Institute of Technology) The repetition of large-earthquake ruptures [2110]
- Yasuo Awata** (Geological Survey of Japan) Out line of the Nojima fault

January 23rd, 2000

Poster Program

Active faults at seismogenic depth

Toshihiko Shimamoto (Kyoto University)
Down to the seismogenic zones : How much
do we know? [2301]

Recent progress in dating techniques

Lionel L. Siame (Université de Paris-Sud) Cos-
mogenic in situ-produced ^{10}Be , a new tool to
improve seismic hazard assessments [2302]

Kazuhiro Tanaka (Central Reserach Institute
of Electric Power Industry) Luminescence
dating of young sediments for estimating the
time of faulting [2303]

Paleoseismology of subduction zones

Kenji Satake (Geological Survey of Japan) Tsu-
namis and subduction-zone earthquakes
[2304]

Kerry Sieh (California Institute of Technology)
Paleogeodetic and paleoseismologic con-
straints on the earthquake cycle of the
Sumatran subduction zone [2305]

Geophysical aspects of active faulting

Chen Yong (China Seismological Bureau) Ap-
plication of seismicity data and gravity data
to the study of active faulting [2306]

David D. Jackson (University of California Los
Angels) Compatibility constraints on earth-
quake fault motion [2307]

Active fault research in the United States

Michael N. Machette (U.S. Geological Survey)
New digital maps and database of major ac-
tive faults and folds in the United States-
Building a WWW-based digital map and com-
puter database for popular consumption
[2308]

Robert S. Yeats (Oregon State University)
Fault segmentation of the northern Los An-
gels basin [2309]

Thomas K. Rockwell (San Diego State Uni-
versity) High-resolution paleoseismology in
southern California: Investigation of segment
controls on the rupture history of the south-
ern San Jacinto fault [2310]

Atsumasa Okada (Kyoto University) Outline
of the Median Tectonic Line in Shikoku

Paper Number 1851 to 1879

at Hokudan-cho Communication Center

Set-up time — from 15:00, Jan. 17th
to 9:30, Jan. 18th

Removal time — 16:00 Jan. 23rd (by staff)

*Those posters are to be displayed until the public
lectures on Jan. 23rd and taken care of by the sec-
retariat staff to return to the authors.*

Major topics

Active fault research in Japan

Seismotectonics of Hanshin-Awaji area

Investigation on submarine faulting

North Anatolian fault and 1999 earthquakes

September 21, 1999 Chi-chi earthquake

Paper Number 2051 to 2079

at the Seminar House of the Hokudan-cho
Earthquake Memorial Park

Set-up time — 8:30 to 9:00 Jan. 20th

Removal time — by 18:00 Jan. 21st

Major topics

Active tectonics in Japan

The Nojima fault under Hokudan-cho

Recurrence of large earthquakes on active faults

North Anatolian fault and the 1999 earthquakes

September 21 Chi-chi earthquake

Active faults and seismic hazard in the world

Paper Number 2251 to 2279

at the Seminar House of the Hokudan-cho
Earthquake Memorial Park

Set-up time — 18:00 to 18:30 Jan. 21st

Removal time — by 18:00 Jan. 23rd

Major topics

Median Tectonic Line and Japanese active faults

Active faults and seismic hazard in the world

*Paleoseismological and geophysical study of
active faults in the world.*