

## Preface

Fiscal year 2005 was the first year of the second mid-term goal period (2005-2009) of National Institute of Advanced Industrial Science and Technology (AIST). It was also the first year as a nongovernmental independent administrative institution. A new term also started for the national projects led by the Headquarters for Earthquake Research Promotion, and AIST joined some new projects on active faults in Japan and intensive observation program on specific areas.

Our survey and research results on active faults and earthquakes have been publicized in various forms. They are peer-reviewed papers in domestic and international scientific journals, database as a part of Research Information Database (RIO-DB) at AIST, maps or periodicals published by Geological Survey of Japan (GSJ), or websites of AIST, GSJ and research units.

This report, *Annual Report on Active Fault and Paleoearthquake Researches*, is published by GSJ and aims to report the survey and research results of previous year in timely fashion yet with details. Currently, about 2000 copies are printed and distributed to related organizations or individuals. All the results supported by tax money will be published; we do not limit pages and use colors for all the figures. In addition, progress reports and preliminary results will be also published. Until last year, most reports were by staff members of Active Fault Research Center (AFRC). This year, we welcomed contributions from AFRC guest researcher and some members of Institute of Geology and Geoinformation. To maintain the quality, editorial board consists of AFRC team leaders arranged internal peer review for all the reports.

This volume contains 13 reports. Among them, survey results for Sakaitoge-Kamiya fault zone (Nagano Prefecture) and Sone-kyuryo fault zone (Yamanashi Prefecture) were results of additional survey projects for fundamental surveys of 98 active faults in Japan, and funded by Ministry of Education, Culture, Sports, Science and Technology (MEXT). The micro-earthquake observation and analysis along Itoigawa-Shizuoka Tectonic Line was also support by MEXT as a part of the intensive observation program on specific areas. The paleoseismological survey in Myanmar was supported by Special Coordinating Funds for Promotion of Science and Technology. Microtremor measurements in Takada plain (Niigata Prefecture) is a part of study on long-period ground motion from Ministry of Economy, Trade and Industry. Shallow sedimentary structure in Osaka plain is a result of collaboration with Geo-Research Institute. Subsurface structure of Arakawa lowland (Saitama Prefecture) is a result of special project of GSJ on geology beneath large cities. Other reports, i.e., boring survey of Ayasegawa fault (Saitama Prefecture), shallow seismic survey and measurements of stress orientation on Kego fault (Fukuoka Prefecture), paleoseismological studies of tsunami deposits along Nankai Trough (Shizuoka Prefecture), survey on Chentoushan fault (Taiwan) were all supported by regular research funds of AIST.

We welcome comments from readers on the contents of this report, and the ways to publicize the results of our surveys and research. Finally, we would like to express our sincere gratitudes to land owners, local communities and municipalities that allowed us to work in private properties.

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