

Kojiro IRIKURA

KI Bio Sketch - 090821

Kojiro Irikura is Adjunct Professor of Aichi Institute of Technology and Professor Emeritus of Kyoto University since 2005. Born in Qindao, China in 1940. He graduated from Department of Physics, Faculty of Science, Kyoto University. He earned his master's degree in Geophysocs in 1966 and doctor's degree in Science in 1983 from Kyoto University.

He was a research associate at the Disaster prevention Research Institute from 1968 and became a associate professor in 1973. From 1988, he was a professor at the Institute until he retired in 2004, while from 2001 to 2003 he was Director of the Institute. From 2003 to 2005, he was Vice-President of Kyoto University.

From 1984 to 1986 he was a visiting professor at University of Southern California. From 1990 to 1991 he was a JICA expert at Centro Nacional de Prevención de Desastres (CENAPRED) – México.

He had a cooperative work with Mexican experts on construction of strong motion network from Acapulco to Mexico-city and seismic hazard assessments.

His speciality is seismology. His researches have been motivated by earthquake tragedies in 1948 Fukui earthquake and the 1964 Niigata earthquake to contribute to reduction of earthquake disasters through seismological studies. Especially He has developed strong ground seismology.

His main contributions are as follows.

- (1) Developed the empirical Green's function method for estimating strong ground motion from a specific earthquake fault using observed seismograms of small events.
- (2) Developed a hybrid method simulating broad-band ground motions from a large earthquakes using deterministic and stochastic approaches.
- (3) Proposed a recipe of predicting strong ground motions from an earthquake caused by specific active faults.

He has served in many national and international committees and boards, including the President of President of Seismological Society of Japan (1999-2002), President of Japan Association of Earthquake Engineering (2004-2005), Member of Science Council of Japan (2000-2003 and 2005-2008), member of Scientific Committee of the IAEA International Centre for Seismic Safety.

He has contributed many governmental projects for Earthquake Research Promotion in Ministry of Education, Culture, Sports, Science and Technology as Member of Earthquake Research Committee and Chairman, Subcommittee for Evaluations of Strong Ground Motion and for Seismic Safety of Nuclear Facilities in Nuclear Safety Commission of Japan as Chairman, Special Committee on Assessment of Seismic Safety.