



International Symposium on

Environmental monitoring and dose
estimation of residents after accident of
TEPCO's Fukushima Daiichi Nuclear
Power Stations

KUR Research Program for Scientific
Basis of Nuclear Safety

Proceedings

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Proceedings of the International Symposium on Environmental monitoring and dose estimation of residents after accident of TEPCO's Fukushima Daiichi Nuclear Power Stations
Shiran Hall, Kyoto, Japan, December 14, 2012

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Preface

In March 2011, a massive earthquake and the resulting tsunami struck the Tohoku area in Japan, causing serious damages to TEPCO's Fukushima Daiichi nuclear plant and the release of a significant quantity of radionuclides into the surrounding environment. This accident underlined the necessity of establishing new and comprehensive scientific research for promoting safety in nuclear technology. With this aim, the Kyoto University Research Reactor Institute (KURRI) developed a new research program called the "KUR Research Program for Scientific Basis of Nuclear Safety" from this year. In this program, we are planning to hold an annual series of international symposiums along with many other research activities.

The first in this series of symposiums, entitled "The International Symposium on Environmental Monitoring and Dose Estimation of Residents after Accident of TEPCO's Fukushima Daiichi Nuclear Power Station," deals with the radiological effect of the March 2011 accident in Fukushima Daiichi NPP on the public. The purpose of this symposium is to collate data on environmental radioactivity and radiation dose in residents, discuss and verify these data, and clarify the actual situation of environmental contamination and resultant radiation exposed to the residents. We believe that an accurate estimation of the radiation dose is quite essential for planning for the healthy life and mental contentment of the residents, and we hope that many researchers who are studying the radiological effects of the accident will join us for these purposes. The environmental monitoring data are important for the dose assessment for residents. However, the monitoring data in the early stage are not sufficient for dose assessment, particularly near the NPP site, because of the confusion and blackout caused by the earthquake. However, many researchers and organizations in Japan and other countries have independently carried out radiation monitoring. We believe that the publication and reviewing of these data is not only essential but our duty toward future generations.

Approximately 10 invited lectures and 50 scientific papers will be presented in the symposium. Almost all the presentations have been written as original scientific papers, peer reviewed by specialists of the relevant research fields, and included in the proceedings booklet. On behalf of all the participants of the symposium, I sincerely hope that this symposium and its proceedings will contribute to the faster recovery of people who have encountered damages from the accident and will promote further progress in the research on nuclear safety.

Hirotake Moriyama

Director, Kyoto University Research Reactor Institute
Chair of the organizing committee