



Japan Atomic Energy Agency



Workshop on Transparency Technology for Nonproliferation Cooperation in the Asia Pacific

-Applications of Remote Monitoring and Secure
Communications for Regional Confidence Building-

Workshop Aim

Invited Participants currently working on regional nonproliferation issues.
Interested individuals who would like to participate as part of the audience
interaction are also welcome and invited to attend.

Workshop Scope

Exploration/Creation of ideas on transparency technology, remote monitoring,
secure communications, and confidence building measures as applied to
regional nonproliferation cooperation.

Place: Sanjo Conference Hall,
Hongo Campus, The University of Tokyo

Date: 20 February 2008
Conference (Open):
presentations, panel discussions

Date: 21-22 February 2008
Technical Session (Invited):
presentations, tabletop exercise



Co-Sponsored by JAEA/NPSTC and
the University of Tokyo GLOBAL-COE Program
Nuclear Education and Research Initiative



Nuclear Nonproliferation
Science & Technology Center

The University of Tokyo Global COE program
Nuclear Education and Research Initiative



Second Announcement

Workshop on Transparency Technology for Nonproliferation Cooperation in the Asia Pacific

– Applications of Remote Monitoring and Secure Communications for Regional Confidence Building –

Tokyo, Japan
20-22 February 2008

Co-Sponsored by JAEA/NPSTC and
the University of Tokyo GLOBAL-COE

This is the Second Announcement to individuals with professional interests in remote monitoring and transparency technology for use in nonproliferation and regional confidence building at nuclear energy facilities. This Workshop is aimed at invited Participants currently working on regional nonproliferation issues, with an emphasis on the Asia Pacific. A limited set of papers and discussion topics have been solicited and Speaker slots are filling. Interested individuals who would like to participate as part of the audience interaction are also welcome and invited to attend the opening day sessions.

Workshop Scope and Objectives

This international Workshop is designed to be practical and interactive. It will provide an opportunity for Expert Participants to explore, discuss, create, and share ideas on transparency technology, remote monitoring, secure communications, and confidence building measures (CBMs) as applied to regional nonproliferation cooperation. The focus of the Workshop will address practical technical applications, issues, and problems associated with remote monitoring transparency when used as a confidence building measure. Participants in an Expert working group will also be invited to design and create a hypothetical regional transparency network as part of a tabletop exercise during Expert working sessions.

Objectives of this practical, hands-on Workshop are to:

- Discuss the various definitions and contexts used for transparency in regards to nonproliferation between interested parties (e.g., State-to-State, Operator-State/Inspector, Operator-Operator, Operator-Public, etc.)
- Present and demonstrate examples of transparency technology development and applications
- Explore the intersection of transparency, technology, and regional confidence building
- Provide an opportunity and venue for interactive, technical expert discussions having a regional focus and application
- Increase confidence in traditional safeguards and the NPT regime through technology and cooperation using confidence building transparency measures
- Support and encourage regional cooperation opportunities
- Promote appropriate technology development, exchange, and transfer
- Develop a hypothetical regional transparency network for future application via a tabletop exercise, and addressing technical and pragmatic issues as they arise
- Promote University graduate student participation and leadership in nuclear energy and nonproliferation.

Audience

This Workshop will be of interest to experts, individuals, and organizations concerned with technology development and applications for regional nonproliferation transparency cooperation between States as well as the IAEA. Invited participation is sought from related government agencies and ministries, research laboratories, industry, facility operators, and academia that are within or involved with the East Asia region. Interested media and NGOs will also be invited as part of the audience on Day 1 of the Workshop.

Topics of Interest

- Technology and secure communication methods supportive of nonproliferation commitments and goals that further the development of peaceful nuclear energy
- The role and interrelationship of Technology & Transparency in nonproliferation cooperation
- Modes of regional nonproliferation cooperation & CBMs: Collaborations, training, and technology development and transfer
- Defining measures of success in Regional Cooperation for nonproliferation
- Demonstrations and examples of technology and systems used for regional nonproliferation transparency cooperation
- Information sharing: What is sufficient and acceptable to disclose, and to whom?
- Addressing and assisting concerns of States, Operators, Inspectors, and Public regarding nonproliferation transparency cooperation

Workshop Format

The Workshop will be a total of three days. Although related, each day will have a slightly different focus, format, goals, and attendance.

20 February: On Day 1, there are focused, invited presentations in the morning followed, by Panel discussions by the Speakers in the afternoon. The Panel participants will address “Transparency: Its Role, Type, Definitions, and Measures and Applications in Regional Cooperation.” We expect attendance by Expert Participants and a broad audience from government, academia, research, and interest groups on this day. A total of 50 to 80 people are expected. There will be a hosted reception in the evening.

21 February: On Day 2 the focus is on Technology – presentations, technical demonstrations, and Expert group discussions. We expect a small, interactive working group of about 20 technical Experts drawn from Day 1 to focus on the practical and technological issues and solutions for nonproliferation transparency. There will be approximately five to seven invited presentations and demonstrations from this working group, followed by group discussions.

22 February: On Day 3 the group of Experts will apply their skills and ideas during a tabletop exercise to design a future, hypothetical regional transparency network that is acceptable to Stakeholders of nuclear nonproliferation and confidence building transparency. The outcome of this exercise will help to define the functional requirements of a hypothetical regional transparency network. Enhanced awareness, new ideas, and potential solutions to complex, interrelated issues applicable to nonproliferation transparency will be additional results.

There will also be participation in Workshop and the tabletop exercise by graduate students from the University of Tokyo GLOBAL-COE on Nuclear Energy Education & Research Initiative.

Abstracts and Presentations

This Workshop is aimed at invited Participants currently working on regional nonproliferation issues. A limited set of papers and discussion topics are solicited. Presenters agree to provide a 1-2 page *Abstract* and a final copy of their PowerPoint *Presentation*. Panelists are requested to provide a 1-2 page summary of their *Comments* after the conclusion of the Workshop. These materials will be compiled into Workshop proceedings, and published and distributed by JAEA to the participants and attendees.

Key Dates:

The request for Presentations is still open to interested Speakers.

- Final 1-2 Page Abstract – 11 February 2008
- Final PowerPoint *Presentations* – 15 February 2008
- *Workshop* – 20-22 February 2008
- Summary of Panelist *Comments* – 9 March 2008

Workshop Location and Logistics

The Workshop is co-hosted by JAEA/NPSTC and the University of Tokyo GLOBAL-Center of Excellence (COE). It will be held at the University of Tokyo, Todai Hongo Campus, Sanjo Conference Hall. The venue will be equipped with standard audio-visual equipment for presentations, and high-speed Internet access for use with technology demonstrations. Additional logistical information will be forwarded to participants in February.

Language

The Workshop language will be English.

Registration

There is no registration fee.

To reserve your place at the Workshop, or to give a presentation and/or technology demonstration, please send an email with your name, contact information, and the days of your attendance (Day 1, or Days 1-3) to the Workshop organizers and hosts as soon as possible.

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On-line information can be found at:

<http://www.jaea.go.jp/04/np/en/shiryuu/ttws2008/index.html> .