

Panel: Nuclear Safety and Terrorism (Grand Ballroom III)

Date/Time: Tuesday, February 19, 2013 / 14:00-15:15

Talking Points for: Hwang Il Soon, Professor, School of Energy Systems Engineering, Seoul National University

INDISCRIMINATE TERRORISM due to nationalism, religion, ideology and culture conflict.

FUKUSHIMA unraveled Nuclear Safety and Security Interface (SSI)

Vulnerable targets with Radiologically Unacceptable Consequence (RUC): nuclear power plants, spent fuel storage/recycle facilities, research reactor

911: US NRC's Defense-in-depth of vital areas against DBT & BDBT

IAEA INFCIRC/225/Rev.5: National Control/Licensing/HRD

Seoul Nuclear Security Summit 2012 timely addressed SSI in the Communiqué and Gift Baskets: Illicit Trade/Smuggling, Radiological Materials security, Transportation Security, Information Security, Security Training Centers and National Legislation

OPERATING Facilities: Physical Protection, Digital Protections (Cyber security), Sabotage mitigation

SSI by Training, Innovation and Governance

Nuclear security training centers

Systematically decommissioned facility for training and improvements

FUTURE facilities with fortified design with innovative countermeasures

Underground and/or rugged construction of spent nuclear fuel storages

Secured small modular reactors (SMR's)

SAFETY & SECURITY GOVERNANCE

Education Outreach: peaceful nuclear power and global sustainability Multi-nationalization of Spent Fuel Recycling Systems with RUC

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