

	Tuesday, 13 November Main Room
0930- 1100	Participant Registration
1100- 1130	Opening Remarks Mr. S Okada (JAEA) Mr. N Khlebnikov (IAEA),
	Session 1– Introduction to the Nuclear Fuel Cycle Chair, Mr. Senzaki (JAEA)
1130- 1150	FaCT Project Mr. Y Sagayama (JAEA), presented by Mr. R Nakai (JAEA)
1150- 1210	Safeguards Research and Technology Development for the Global Nuclear Energy Partnership (GNEP) Mr. M Miller (USA)
1210- 1230	French Study on transference from LWR to GenIV Mr. B Boullis (CEA, France)
1230- 1330	LUNCH BREAK
	Session 2– Challenges for Safeguards in the Near Future Chair, Mr Kuno (JAEA), Co-Chair, Mr Zendel (IAEA)
1330- 1355	Proliferation Resistance and International Safeguards Mr. E Haas (IAEA)
1355- 1420	Advanced Safeguards Approaches for New Reprocessing Facilities Mr. P Durst (PNNL, USA)
1420- 1445	European Commission Safeguards in Modern MOX Fabrication Plants Mr. W Koehne (DG TREN, EC)
1445- 1510	Integrated Safeguards for MOX Fuel Facilities - Development of Approach and Applications Mr. T Asano (JAEA, Japan)
1510- 1535	BREAK
1535- 1600	Improving Safeguards Approaches for the Future Aqueous Processing Process Ms. N Inoue (University of Tokyo, Japan)
1600- 1625	Current Status of Safeguards R&D for Advanced Fuel Cycle at KAERI Mr. Ho-Dong Kim (KAERI, Korea)
1625- 1650	Results from US Sponsored - IAEA Workshop on Advanced Sensors for Safeguards Ms. S Pepper (BNL, USA)
1800- 2000	Reception

	Wednesday, 14 November 0900-1330 Main Room		
	Session 3 : Advanced Safeguards Concepts and Safeguards by Design for the Future Nuclear Fuel Cycle Chair, Mr. M Hori (JAEA) , Co-Chair, Mr. A Hamilton (IAEA)		
0900- 0925	Nuclear Safeguards Challenges at Reactor Types that Defy Traditional Item Counting Mr. D Beddingfield (USA)		
0925- 0950	GEN IV Safeguards Instrumentation Mr. M Stein (Canberra Albuquerque , USA)		
0950- 1020	The Role of Advanced Safeguards Technology in Meeting Tomorrow's Challenges Mr. J Pilat (LANL, USA)		
1015- 1045	BREAK		
1045- 1110	Advanced Safeguards Design Using Proliferation Resistance and Physical Protection (PR&PP) Methodology Mr. R Bari (BNL, USA)		
1110- 1135	An Idea for Assessment of Proliferation Resistance Effects under the Integrated Safeguards Mr. M Kikuchi (NMCC, Japan)		
1135- 1200	Incorporation of a Risk Analysis Approach for Advanced Safeguards Analysis Mr. G Rochau (SNL, USA)		
1200- 1225	Beyond Advanced Safeguards: What's Next? Mr. J McClelland-Kerr (DOE,USA)		
1225- 1230	Introduction to Session 4 and Working Groups		
1230- 1330	LUNCH BREAK		
	Afternoon agenda continues on next page		

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Wednesday, 14 November 1330-1800

	Session 4: New and Novel Safeguards Technologies Main Room 3rd Floor, Room 1 & Room 2 Chair Mr. M Suzuki (JAEA), Co-Chair Mr. M Aparo (IAEA) Chair Mr. J Whichello (IAEA), Co-Chair Mr. Y Naoi (JAEA)		
1330- 1355	A Trial of Neutrino Detection from Joyo Fast Research Reactor Mr. F Suekane (Tohoku University, Japan)	Novel Technologies for IAEA Safeguards Mr. J Whichello (IAEA)	
1355- 1420	New and Novel Non-destructive Neutron and Gamma- Ray Technologies Applied to Safeguards Ms. A Dougan (LLNL, USA)	Evaluation of RF-Based Tracking for UF6 Cylinders at Centrifuge Enrichment Plants Mr. C Pickett (ORNL, USA)	
1420- 1445	The Plutonium Inventory Measurement System (PIMS): Validation and Performance Tests at the Rokkasho Reprocessing Plant (RRP) Mr. D Parvin (British Nuclear Group, Project Services, UK)	Status on Two Novel IAEA Canadian Support Programme Technologies Mr. R Kosierb (CNSC, Canada)	
1445- 1510	IAEA Safeguards Equipment Mr. M Zendel (IAEA)	Laser Based Applications: Existing and Future Solutions Ms. S Poirier (IAEA)	
1510- 1535	BREAK	BREAK	
1535- 1600	High Precision Non-destructive Assay to Complement Destructive Analysis Mr. H Menlove (LANL, USA)	Large Scale Geospatial Image Indexing and Retrieval for Safeguards Mr. K Tobin (ORNL, USA)	
1600- 1625	The Role of Large Dried Spikes in Safeguarding Nuclear Reprocessing Plants Mr. R Wellum (JRC-IRMM, EC)	Development of Analytical Techniques for Safeguards Environmental Samples at JAEA as an IAEA Network Analytical Laboratory Mr. M Magara (JAEA, Japan)	
1625- 1650	The Development of an Integrated Site System for the Detection of Illicit Trafficking of Radioactive and Nuclear Materials Mr. K Whitehouse (British Nuclear Group, UK) presented by Mr. D. Parvin (British Nuclear Group, Project Services, UK)	Advances in Nuclear and Environmental Analysis for Safeguards Purposes Mr. M Hedberg (JRC-ITU, EC)	
1650- 1705	BREAK	BREAK	
1705- 1800	Introduction of working groups—Mr. Whichello to introduce chairs and outline procedure.		

Thursday, 15 November				
	Working Group 1: Main Room Chair: Mr. J McClelland-Kerr (DOE, USA) Co-Chair: Mr. Y Kuno (JAEA) Secretary: Mr. E Haas (IAEA)	Working Group 2: Room1 & Room 2 Chair: Mr. R Bari (BNL,USA) Co-Chair: Mr. K Hori (JAEA) Secretary: Ms. S Poirier (IAEA)		
0900- 1130	Challenges for Safeguards in the Near Future	Advanced Safeguards Concepts and "Safeguards by Design" for the Future Nuclear Fuel Cycle		
1130- 1230	Main Room: Combined Session for WG1 and WG2 to report on findings prior to WG3 (all participants)			
1230- 1330	LUNCH BREAK			
1330- 1500	Main Room: Working Group 3 New and Novel Safeguards Technologies for the Future Nuclear Fuel Cycle (all participants): Chair: Mr. R Kosierb (CNSC) Co-Chair: Mr. M Suzuki (JAEA) Secretary: Mr. J Whichello (IAEA)			
1500- 1530	BREAK			
1530- 1630	Final Session: Reports and Discussion IAEA Moderator- Mr. A Hamilton, JAEA Moderator- Mr. Y Kuno Chair and Co-Chairs as panel members			
1630- 17:00	Closing Session Official Closing & Wrap up, Announcements			

		Friday, 16 November
	0915- 0930	Gather for bus transportation Meeting point outside Tokai railway station
	0930- 1000	Travel to Tour location
j	1000- 1130	Tour of J-PARC or CLEAR
20000000	1130- 1200	Return to Tokai railway station by bus
	1200- 1300	LUNCH BREAK
-	1300-	Afternoon reserved for participant organized meetings

Maps and Access Information

