

**ANSN/ANL Workshop on Fire Safety for Research Reactors
8-12 December 2014, Argonne National Laboratory, USA (Rev. 7, 1 Dec 2014)**

Time	Monday		Tuesday		Wednesday		Thursday		Friday	
	08 December 2014		09 December 2014		10 December 2014		11 December 2014		12 December 2014	
	Lecture Topic	Lecturer	Lecture Topic	Lecturer	Lecture Topic	Lecturer	Lecture Topic	Lecturer	Lecture Topic	Lecturer
8:00										
8:30			L.2.1. Purpose and scope of the FHA	Sears	L.2.3. FHA methodology and graded approach for a large, aged research reactor	S. Kurien, CNL Chalk River	L.4.2. Fire protection programs for research and commercial reactors US perspective	Tom McCormack, Nexus Engineering	D.0.6. Final discussion and participants' feedback	All
9:00	L.0.1-3. Welcome, introductions, site safety briefing	LW Deitrich,ANL; D.Sears, IAEA; ANL/EQO	L.2.2. Components of the FHA	Deitrich					D.0.7. Closing ceremony	All
9:30										
10:00	Break		Break		Break		Break		Break	
10:30	L.0.4. Intro to program/exercises	Deitrich	L.5.4. Participant Presentation	Korea	L.4.1. FPP development and implementation at an aged research reactor	S. Kurien	L.4.3. FPPs for laboratories handling radioactive materials - DOE perspective	Alex Smith, Nexus Engineering	D.0.5b. Argonne Site Tour and Visit to APS	Guide + Participants
11:00	L.1.1. The IAEA RR safety program and overview of fire safety guidance	Sears	L.5.5. Participant Presentation	Malaysia						
11:30			L.5.6. Participant Presentation	Philippines						
12:00	Lunch		Lunch		Lunch		Lunch			
12:30										
13:00	L.1.2. Basic concepts in fire safety	Deitrich	L.5.7. Participant presentation	Thailand	L.3.2. Fire Probabilistic Risk Assessment	S. Shalabi, CNL Chalk River	W.6.2. Introduction to Fire Hazard Calculations Using the CFAST Code (1/2 hr break)	S. Shalabi, S. Kurien and Participants		
13:30			L.5.8. Participant presentation	Vietnam						
14:00	L.1.3. Fire safety considerations in operations	Sears	Break							
14:30			L.3.1. Introduction to deterministic and probabilistic methods for fire hazards analysis	M. Bucknor, ANL						
15:00	Break				Break					
15:30	L.5.1. Participant Presentation	Bangladesh			W.6.1. Introduction to Fire Dynamics Tools (NUREG-1805)	S. Shalabi, S. Kurien and Participants				
16:00	L.5.2. Participant Presentation	China	D.0.5a.Visit to the ANL/NE historical exhibit	Deitrich + Participants						
16:30	L.5.3 Participant Presentation	Indonesia								
17:00	L=Lecture; W=Work Session/Exercise; D=Discussion									