

“The discovery of nuclear reactions need not bring about the destruction of mankind any more than the discovery of matches.”

Albert Einstein
on Nuclear Security

Conducted by

Nuclear Security Science and Policy
Institute, Texas A&M University (TAMU)

Sponsored by

Indian Institute of Technology, Kanpur
(IIT-K) & US Department of State
Partnership for Nuclear Security (DOS-
PNS)



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Nuclear Security Workshop for Indian Universities

August 10-12, 2014

IIT-Kanpur

EVENT SCHEDULE

LOCATION: INDIAN INSTITUTE OF TECHNOLOGY, KANPUR, INDIA

August 10, 2014, Sunday
IIT Kanpur

Time	Activity	Implementer
4:00pm	Reception	IIT-K
4:30pm	Welcome Address	Director, IIT-K
4:45pm	Inaugural Address	Prof. Dheeraj Sanghi, Dean of Academic Affairs, IIT-K
5:00pm	Opening Remarks	Mr. Daniel Miller, Partnership for Nuclear Security, U.S. Department of State
5:30pm	Overview of the Department of Nuclear Engineering, TAMU	Prof. William S. Charlton, Director, Nuclear Security Science and Policy Institute, Texas A&M University
6:00pm	Program Overview	Prof. Prabhat Munshi, Head, Nuclear Engineering Program and Dean of Resources & Alumni, IIT-K
6:15pm	Logistics Briefing	Prof. Shikha Prasad, Nuclear Engineering Program
6:30pm	Student and Faculty Introductions	
7:00pm	Dinner	

August 11, 2014, Monday
IIT Kanpur

Time	Activity	Implementer
8:30am	Nuclear Security Culture Development through Education and Training	Dr. Charlton
9:00am	Threats to Nuclear Security (TAMU-NSEP Module)- Practical Training	Dr. Chirayath
10:30am	Break	
10:45am	Comprehensive Nuclear Security System Approach	Dr. Charlton
11:30am	Deployable Radiation Detection Technologies in Nuclear Security	Dr. Marianno
12:30pm	Lunch	
2:00pm	How Security Benefits from the Safeguards Systems	Dr. Chirayath
3:00pm	Nuclear Forensics	Dr. Chirayath
4:00pm	Break	
4:15pm	Threat Informed Security and Design Basis Threat	Dr. Charlton
5:00pm	Nuclear or Radiological Event Consequence Management	Dr. Marianno
5:45pm	Close out for the day	

August 12, 2014, Tuesday
IIT Kanpur

Time	Activity	Implementer
8:30am	Analysis of Threats to Nuclear Fuel Cycle (Exercise)	Dr. Chirayath
9:30am	Nuclear and Radiological Facility Physical Security System Design	Dr. Charlton
10:30am	Break	
10:45am	Border Monitoring and Detection, Interdiction and Response to Material Outside of Regulatory Control	Dr. Marianno
11:30am	Insider Threat and Strategies to Manage Insider Risk	Dr. Chirayath
12:30pm	Lunch	
2:00pm	Nuclear Security Culture	Dr. Marianno
3:00pm	Feedback Session	Mr. Miller
4:00pm	Break	
4:15pm	Closing discussion. Identification of areas of interest and next steps/actions including on education, training & research	Mr. Miller/Dr. Charlton/Dr. Marianno/Dr. Chirayath/ Faculty Representatives from Each University
5:45pm	Closeout of the Workshop	