

“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

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(IIT-K) & US Department of State  
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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	