

15th PIIC Agenda

November 1 (Tuesday)

Registration: 9:00-12:00 and 14:00-18:00

Venue: Lobby of Worldhotel Grand Dushulake Suzhou

18:15-20:00 Buffet Dinner

Venue: Banquet A

November 2 (Wednesday)

8:30-10:15 Opening Session

8:30-8:45 Group Photo

8:45-9:00 Opening Remarks Li Hua

Venue: Banquet B

(Moderator: Li Hua)

9:00-9:30 Invited Speech: Dong Zhihua

(Arms Control Department, Ministry of Foreign Affairs)

9:30-12:00 Plenary Session 1 Nuclear Power and Material

(Moderator: Li Hua)

Ye Qizhen Nuclear Energy Prospect and Guideline in China

Richard Garwin Don't Reprocess Spent Fuel From Light Water Reactors

10:15-10:30 Tea Break

Peng Xianjue Fusion Fission Hybrid Reactor Driven by Z-Pinch

Henry Sokolski Memories of America's Fast Breeder Program

Ye Guoan The Status and Development of Actinides Separation in China

Frank von Hippel A Ban on the Production of HEU

12:15-14:00 **Lunch Time** **Venue: Banquet A**

14:00-16:15 **Parallel Session A1 Cyber Security**

(Moderator: Henry Sokolski)

Venue: Banquet B

Page Stoutland Cybersecurity Threats to Nuclear Facilities and Weapons

Zhang Ming Cyber Security of Civil Nuclear Facilities in the Perspective
of Crisis Management

Alexander Nikitin Applicability of Basic Notions of Nuclear Arms
Control To a Cyber Sphere

Lora Saalman Deterrence Frameworks in Cyberspace

Zhai Yucheng Rules Making in Cyberspace: Difficulties and Wayout

Steve Wright The Challenges of New Forms of Cyber & Autonomous Weapons

Teng Jianqun The Arms Control in Cyberspace and SINO-U.S. Relations

16:15-16:30 **Tea Break**

16:30-18:00 **Parallel Session A2 Nuclear safety and Fuel Cycle**

(Moderator: Ye Guoan)

Venue: Banquet B

Hui Zhang Spent Nuclear Fuel Reprocessing in China

Gu Zhongmao Closed Fuel Cycle and Sustainable Nuclear Fission Energy

Kang Jungmin Analysis on the Proliferation Resistance of a Nuclear Fuel Cycle Based on Pyroprocessing

14:00-16:00 **Parallel Session B1 Nuclear Forensics and Verification**

(Moderator: Zia Mian)

Venue: M4

David Smith Twenty Years of Nuclear Forensics: A Perspective from Vienna

Alex Glaser Full-Motion Virtual Reality for Nuclear Arms Control and Disarmament Verification

Deborah Rosenblum International Partnership for Nuclear Disarmament Verification

Benjamin Rusek Verification Technologies and Confidence-Building Measures

(P5 Cooperation on Arms Control and Disarmament Verification)

16:00-16:15 **Tea Break**

16:15-18:00 **Parallel Session B2 Nuclear Security and Analysis**

(Moderator: Joseph Pilat)

Venue: M4

Jor-Shan Choi Nuclear Power Development with Robust Nuclear Governance

Shen Dingli China's Nuclear Security Status Is Underestimated

Page Stoutland U.S.-China Cooperative Nuclear Security Engagement Table-Top Exercise

Larry Brandt New Initiatives in China-U.S. Technical Cooperation to Reduce the Risks of Nuclear Terrorism

Jason Reinhardt Risk Analytic Approaches to Collaborative Nuclear Security

18:00-20:00 **Dinner Time** **Venue: Banquet A**

November 3 (Thursday)

8:30-10:15

Plenary Session 3 Nonproliferation in Asia

(Moderator: Qian Lihua)

Venue: **Banquet B**

Wu Jun The Analysis into the DPRK's Nuclear Warhead Design Capabilities Based
on the DPRK's 5 Nuclear Tests

Shen Dingli The Way out of North Korea Nuclear Issue

Ramamurti Rajaraman The Road to Nuclear Zero: Review and Prospects

Tao Tao Security and Nonproliferation in Northeast Asia

Banerjee Dipankar Reducing Nuclear Dangers in Asia – Need for a New Approach

10:15-10:30

Tea Break

10:30-12:15 Plenary Session 4: Challenges to Nuclear

Nonproliferation Regimes

(Moderator: Deborah Rosenblum)

Venue: **Banquet B**

Joseph Pilat The Global Nuclear Order and the NPT

Victor Gilinsky Challenges to Nuclear Non-proliferation Regime: Past, Present,
and Future (WHAT IF THE TABOO ON NUCLEAR WEAPON USE IS BROKEN)

Fan Jishe Nuclear Non-proliferation Regime: Present Challenges, Future Implications

12:15-14:00

Lunch Time

Venue: **Banquet A**

14:00-16:00 **Plenary Session 5 CTBT Matters and Strategic Stability**

(Moderator: Carlo Schaerf)

Venue: **Banquet B**

Jin Ping Review of the Role Played by Seismic Non-IMS Stations in CTBT
Monitoring and Verification

Patrick Grenard The CTBT@20

Li Genxin CTBT marks 20th Anniversary and Its Significance

Richard Garwin

Huang Weiguo The Impact of Deployment of THAAD System in South Korea
on Strategic Stability

Brad Glosserman US Alliance and Extended Deterrence in Northeast Asia

16:00-16:15 **Tea Break**

16:15-18:00 **Plenary Session 6 Strategic Stability (cont.)**

(Moderator: Frank von Hippel)

Fiona Cunningham China-U.S. Strategic Stability in a Cross-Domain Environment

Zhao Tong Strategic Nuclear Submarine and Challenges to Strategic Stability

Xia Liping China's Nuclear Doctrine and International Strategic Stability

Jason Reinhardt Modeling Adversaries: A Survey of Methods

Yuan Jingdong Nuclear Learning and the Management of Sino-US Rivalry in Asia

18:00-20:00 **Dinner Time**

Venue: **Dinner Out, Location TBD**

November 4 (Friday)

9:00-10:45 Plenary Session 7 Nuclear Arms Control and Disarmament

(Moderator: Yang Fujia)

Venue: Banquet B

Invited Speech: Du Xiangwan *Some Thoughts On Arms Control Research*

Zia Mian Global Fissile Material Report 2015: Nuclear Weapon and Fissile Material
Stockpiles, Production and Transparency

Tom Sauer The Rise of the Humanitarian Initiative: Towards a Nuclear Weapons Ban

Li Bin The Role of Nuclear Weapons and Future Nuclear Disarmament

10: 45-11: 00 Tea Break

11: 00-12:00 Closing Session

(Moderator: Li Hua)

Closing Remarks by:

Carlo Schaerf (ISODARCO)

Deborah Rosenblum (NTI)

Tao Tao (CPAPD)

Yang Mingjie (CICIR)

12:00-14:00 Lunch Time Venue: Banquet A

14:00-18:00 Free

18:00-20:00 Dinner Time Venue: Banquet A