

CONSIGLIO NAZIONALE DELLE RICERCHE

ACCADEMIA NAZIONALE DEI LINCEI

XIII International Amaldi Conference on Problems of Global Security

Accademia Nazionale dei Lincei, Rome

30 November 2 December, 2000

Thursday, 30 November 9.00 – 13.00

Chair: C. Eisenbart

9.00 Welcoming remarks: E. Vesentini, President of the Accademia Nazionale dei Lincei

1. Arms Control after the Cold War

9.10 1.1 The Status of Nuclear Proliferation - H. Müller

9.40 1.2 The Status and Viability of the NPT Regime - S. Lodgaard

2. The Changing Balance

10.10 2.1 Offence vs. defense in the Nuclear Age - W. Panofsky

10.40 2.2 The impact of U.S. missile defense plans - S. Keeny

11.00 Coffee break

3. Present and future of the Nuclear Weapons States Policies on Nuclear Weapons

11.30 3.1 United States - A. Narath

12.00 3.2 Russia - M. Nosov

12.30 Discussion

Thursday, 30 November 14.30-18.30

Chair: F. Calogero

14.30 3.3.1 UK - F. Graham-Smith

15.00 3.3.2 France - C. Soulé

15.30 3.4 China - J. Song

16.00 Coffee break

4. Nuclear Weapons States not Officially NWS under the NPT

16.30 4.1 India - R. Narasihma

17.00 4.2 Israel - A. Pazy

17.30 Discussion

Friday, 1 December 9.00-13.00

Chair: W.K.H. Panofsky

5. The Management of Nuclear Weapons Usable Materials

9.00 5.1 Plutonium - A.L. Jaumotte

9.30 5.2 Proliferation Resistant Fuel Cycles as Affecting Need for Safeguards - U. Farinelli

10.00 5.3 The Control of Weapons-usable Fissile Materials in the Russian Federation - V. Sukhoruchkin

10.30 Coffee break

6. Expectations for Nuclear Arms Control

11.00 6.1 Fissile Materials Cut-off? The future of the CTBT - C. Eisenbart

11.30 6.2 Control of All Nuclear Warheads - W.K.H. Panofsky

12.00 6.3 The Paths to Prohibition of Nuclear Weapons - F. Calogero

Friday, 1 December 14.30-18.30

Chair: C. Busch

7. Impact of Information Technology (IT) on Global Security

14.30 7.1 IT Systems as a Target for Warfare

15.15 7.2 IT as a Threat to the Stability of the Economy

16.00 Coffee break

16.30 7.3 Positive and Negative Aspects of Protecting Systems

17.00 7.4 Security Consequences of Uneven Access to IT

17.30 Discussion

Saturday, 2 December 9.00-13.00

9.00 General discussion

Chair: K. Gottstein

8. **Round table: New Strategic Roles of Science and Technology**

10.00 Presentation of report - K. Gottstein

11.00 Coffee break

11.30 Round table discussion among participants on item 8

13.00 Closing of the conference