

ACCADEMIA NAZIONALE DEI LINCEI

XVI Amaldi Conference on problems of global security

ICTP - Trieste

18-20 November 2004

Thursday - 18 November

- 9.00 Katepalli R. Sreenivasan (Director, ICTP): Welcome address
- Edoardo Vesentini (Accademia dei Lincei): Opening remarks

The problem of independent scientific input to governmental security policy

Chairs: W.K.H. Panofsky, G. Neuneck

- 9.30 W.K.H. Panofsky (USA): The Problem of Independent Scientific Input to Government Security Policy Science Advising in the U.S.
- 10.00 Sun Xiangli (China)
 - 10.30 coffee break
- 11.00 N. Laverov (Russia): The Problem of Independent Scientific Input to Government Security Policy Science Advising in Russia
- 11.45 Klaus Gottstein (Germany): Political problems facing governments in using scientific advice, and legal and other problems facing scientists when trying to give independent advice to governments. How effective are the Amaldi and Pugwash Conferences?
- 12.15 Discussion

Dual use technologies in information warfare, etc

Chair: S. Wolthusen

- 14.30 M. Wik (Sweden): A new concept of information and other operations in full spectrum military and non military conflicts
- S.D. Wolthusen (Germany): Defensive information warfare and the protection of critical infrastructures
 - 16.00 coffee break
- 16.30 G. Salvini (Accademia dei Lincei): Islam and the West. Peace and secondary school exchanges

Friday - 19 November

Biological weapons

Panel 1: Biological threats to security

Chair: Ray Dixon

- 9.00 Charles Penn (UK): Overview of the problem
- Emanuelle Tuerlings (WHO): Improving the global public health infrastructure
- John Borrie (International Committee of the Red Cross): The dual use issue in biotechnology research
- Discussion (45 minutes)
 - 10.30 coffee break

Panel 2: Biodefence research/Research oversight

Chair: Jo Husbands

- 11.00 Alexander Kelle (Germany): The Arms Control/non-proliferation regime
- Chris Deane (OECD): Promoting responsible stewardship in the Biosciences: Avoiding potential abuse of research and resources
- John Steinbruner (University of Maryland): Trade-offs for research and security

- Discussion (45 minutes)

Panel 3: Scientific responsibility and life sciences research

Chair: Ray Dixon

- 14.30 Brian Rappert (UK)
- Yechiel Becker (Israel)
- Kathryn Nixdorff (Germany)
- Discussion (45 minutes)
 - 16.00 coffee break

Panel 4: The roles and responsibilities of scientists in international treaties

Chair: Edoardo Vesentini

- 16.30 Magda Bauta (OPCW): Perspectives from Chemical Weapons Convention
- Nick Green (Royal Society): The work of the Royal Society toward the 2005 BWC discussions
- Jo Husbands (NAS): Potential contributions of international scientific bodies to the 2005 BWC
- Discussion (45 minutes)

Saturday - 20 November

Nuclear weapons

Chairs: C. Schaerf, C. Kelleher

- 9.00 Harald Mueller (Germany): Democracies and nuclear weapons in the 21st century: continuing ambivalence
- 9.30 Andrew C. Winner (USA): The Proliferation Security Initiative (PSI)
- 10.00 Hussain Faheem (Pakistan): The situation in the Indian Sub-continent with special reference to India and Pakistan
 - 10.30 coffee break
- 11.00 Lars Van Dassen (Sweden): "Coming to Your Theater Soon": Nuclear and Radioactive Terrorism
- 11.30 Panel Discussion: Nuclear Futures: Proliferations Risks and Challenges in the Next Decade with Marco De Andreis, Catherine Kelleher and Goetz Neuneck .

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