

VIII Edoardo Amaldi Conference

**Overcoming the Obstacles to Peace in the Post-Cold War Era**

Piacenza, Palazzo Farnese, 5 - 7 October 1995

PROGRAMME

**Thursday 5 October**

N. Cabibbo and Local Authorities: *Welcoming addresses*

G. Salvini: *Introductory address*

1) *Conventional arm trade*

J. Husbands: *Emerging issues in conventional arms transfers*

S. Robinson: *The problem of dual-use technology and training*

P.C. Terenzio: *Transparency in conventional arms transfers*

E. Arnett: *Arms race in South East Asia*

B. Janzon: *Improving the technologies for humanitarian demining - A challenge for the scientific community*

2) *The NPT and related problems*

F. Calogero: *The elimination of nuclear weaponry*

H. Conde Almeida: *Cuban policy on the prohibition of nuclear weapons as a future state party to the Tlatelolco Treaty*

E. A. Ezz: *The concept of nuclear deterrence as a basis of security*

J. Goldblatt: *Assessing the NPT Review and Extension Conference*

H. Müller: *Guardians or challengers: small nuclear weapons states industrialized non-nuclear weapon states, and the nuclear non-proliferation regime*

T. Sauer (presented by A. Deruyttere): *Towards a nuclear weapon free world*

S. Rowland: *Inter-Academy activities on global issues*

**Friday 6 October**

3) *The disposition of excess plutonium withdrawn from nuclear weapons*

W. K. H. Panofsky: *The tension between nuclear proliferation danger, nuclear energy and the disassembly of nuclear warheads*

R. Garwin: *The "value" of plutonium withdrawn from nuclear weapons*

V. Goldanskii: *International Registry for fissionable material*

A. Jaumotte and A. Michel: *The technical promise and needed capacity for burning weapons grade plutonium as MOX fuel in commercial light water reactors*

R.S. Pease: *The "throw away" options for plutonium disposition: an outsider's view*

L. Koch: *Fingerprints of nuclear materials and how they can reveal origin and intended use*

4) *Biological and chemical weapons*

H. Smith: *The increasing danger from biological weapons: international efforts to control them*

G.S. Pearson: *Suggestions for improving methods of control*

P. Doty

H. Smith: *Lessons learnt from the effort to ban chemical weapons*

J. Gee

T. Marauhn

**Saturday 7 October**

5) *"Window" and conclusions*

A. Golini, P. Sylos Labini and F. Nuscheler: *Migration in the mediterranean region*

K. Gottstein and J. Freimanis: *Collaboration of academies and the future of the Amaldi Conferences*

G. Salvini: *Closing address*