

**Conference on
International Security and Disarmament:
The Role of the Scientific Academies**

Rome, Accademia Nazionale dei Lincei, 6-9 June 1989

PROGRAMME

Tuesday 6 June

Edoardo Amaldi (President of the Accademia Nazionale dei Lincei): *Welcome address*
W. K. H. Panofsky: *The role of scientific Academies in national and international security*

1) *Deep cuts of nuclear weapons*

M. M. May: *How many nuclear weapons?*

R. Sagdeev and A. A. Kokoshin: *Radical reduction of nuclear weapons and strategic stability*

Wednesday 7 June

General discussion: S. Kapitza, F. Calogero, R. Garwin, S. Keeny

2) *Military stability in Europe: prospects of reducing and restructuring nuclear and conventional forces*

2.1) *Conventional forces*

O. Amirov: *Conventional arms reductions approaches*

J. Steinbruner

R. Pellat: *Watch of disarmament by civil satellites*

General discussion: A Kountsevitch, F. Calogero

2.2) *Nuclear forces*

F. Calogero: *Nuclear forces in Europe*

I. Sourbès: *Role of independent nuclear forces*

K. Gottstein: *Prospects for Reducing and Restructuring Nuclear and Conventional Forces - German point of view*

Panel: K. Gottstein, S. Kapitza, S. Keeny

Interventions from the floor: P. Germain, F. Mautner-Markhof

Thursday 8 June

3) *Conversion of weapon grade fissionable material*

E. Amaldi, U. Farinelli, C. Silvi: *Conversion of weapon grade nuclear materials to civilian purposes*

A. Jaumotte, J. van Dievoet, A. Michel: *Mox fuels: the best utilization of plutonium now*

W. K. H. Panofsky: *The regime of control on fissionable materials*

4) *Prospects of a total ban of chemical and biological weapons*

G. B. Marini-Bettolo: *Towards the ban of chemical weapons*

A. Kountsevitch: *The perspectives for a ban of chemical weapons*

E. Jacchia

S. Kapitza: *The main stages of development of chemical weapons*

J. Michalski

C. G. Heden: *The biological weapons treaty as a catalyst for international cooperation*

General discussion: J. Steinbrunner, S. Kapitza, C. G. Heden

Friday 9 June

5) *Role of academic institutions in the quest for peace and disarmament*

R. Peierls reads a paper by M. Rees on *Environmental Control*

S. Kapitza: *The role of Academies*

E. Loshchenkova: *The role of Academies*

General discussion on the opportunity of a future conference: E. Amaldi, W. K. Panofski, C. Schaerf, A. Balevski, R. Peierls, R. Garwin, P. Germain, M. M. May, F. Calogero, K. Gottstein, W. H. K. Panofsky, E. Loshchenkova

Papers tabled during the conference:

- Extract from SIRPI yearbook 1989; world armament and disarmament
- Report by Prof. J. P. Holden on occasion of the 17th Pugwash Workshop on Nuclear Forces