

XII Edoardo Amaldi Conference  
on  
**PROBLEMS OF GLOBAL SECURITY**

Mainz, 6-9 October 1999

Opening Session

C. Zintzen, F. Gerster, G. Salvini and E. Vesentini: *Opening addresses*

1) *Nuclear nonproliferation*

W. H. K. Panofsky: *The nature of the NPT bargain and the threats to its survival*

Z. Yunhua: *China's position on the CTBT*

K. Becher: *Regional and global consequences for proliferation of the Indian and Pakistani nuclear tests*

D. Chakravorty: *India's security problems and prospects*

A. Mikhalevich: *Problems of the protection of nuclear materials in Belarus*

A. Schaper: *Can civilian nuclear power be more proliferation-resistant?*

Q. Michel: *Nuclear non-proliferation: the European Union Export Control regimes: from cooperation to harmonisation*

W. K. H. Panofsky: *The political situation in the United States concerning the ratification of the Comprehensive Test Ban Treaty (CTBT)*

2) *The Future of Nuclear Weapons and the Anti-Ballistic Missile (ABM) Treaty*

R. S. Pease: *Britain's nuclear weapons policy - a note*

C. Eisenbart: *Is there a future for nuclear weapons? Some very brief remarks on five aspects of a very complex world problem*

C. Xueyin: *The prospects and problems of nuclear disarmament*

F. G  r  : *Is national missile defense (NMD) a menace for strategic stability?*

Z. Yunhua: *BMD and global & regional security*

J. Velikhov: *Russian-American relations: from 'Mutually Assured Destruction' to 'Mutually Assured Protection'*

B. W. Kubbig: *The struggle on the ABM treaty: US-Russian talks*

V. J. Olshevsky: *Economical and military-economical security in the conditions of nuclear disarmament and conversion*

G. Neuneck and M. Schaaf: *The U.S. "National Missile Defense" system architecture and its compatibility with the ABM treaty*

3) *Technical aspects of terrorism involving conventional explosive and nuclear, chemical and biological agents*

J. K. Miettinen: *Use of biological agents in warfare and terrorism*

K. A. Malik: *Safety and security aspects of biological agents and their proliferation to biological weapons*

V. I. Goldanskii and I. S. Zaslonko: *Chemical tagging of explosives*

F. Calogero and G. Tenaglia: *The risk of Highly Enriched Uranium (HEU) for terrorism*

G. Neuneck: *Terrorism and weapons of mass destruction - a new symbiosis?*

D. Shoham: *Chemical and biological terrorism: the Middle East as an arena and a threat*

G. Salvini: *Some remarks concerning the recent wars in Kosovo and elsewhere and the role of the United Nations and the world's Academies*

#### 4) *Security and sustainable development*

E. Vareikis: *The future of global security arrangements: localization of problems, globalization of instruments*

J. L. Husbands: *Efforts to stem the proliferation of light weapons*

P C. Terenzio: *Initiatives of the United Nations regarding conventional weapons*

M. Brzoska: *Conversion in support of the transition to sustainable peace and development and non-conversion as an obstacle to that transition*

J. Fontanel, F. Coulomb: *"Sustainable" development and international security*

S. Helmfrid: *Security and sustainable development - the cultural dimension*

A. Simashkevich and A. Dikumar: *The republic of Moldova: actual problems of transition to sustainable development*

K. Gottstein: *Conditions for success in peaceful conflict resolution*

J. Boright and Y. Quéré: *A contribution to the year 2000 conference of the InterAcademy Panel (IAP) on "Transition to sustainable development in the XXI century"*