

Hotel WESTIN
Zagreb, Croatia
Nov 16 – 20, 2005

Maksimir Hall – Main floor

NATO Advanced Research Workshop:

**Security in Knowledge-based Society: Developing
Resilience in Societies at Risk and Threatened by
Terrorism**

Tuesday, Nov . 15, 2005

Arrival of participants

Wednesday, Nov 16, 2005

10:00 a.m. Opening Session: Welcome speeches:

**Harlan Cleveland, co-director, former Ambassador to NATO and
Dragan Primorac, Minister of science, education and sport**

**10:30 a.m. Introduction to the Workshop: Harlan Cleveland (with Q&A)
and Mladen Staničić (with Q&A)**

11:30 a.m. Session 1

Security in a Knowledge-based Society

Chairperson and introductory comments: Ivo Šlaus

Panelists: J. Petersen and K. Čosić

Discussion

12:30 p.m. Welcome Get-together reception

1:30 p.m. Session 2

Societal Resilience against Terrorism

Chairperson and introductory comments: V. Cvrtila

Panelists: G. Jacobs, V. Lukov and W.T. Anderson

Discussion

3:30 p.m. Coffee Break

4:00 p.m. Session 3

Importance of Transatlantic Cooperation

Chairperson and introductory comments: B. Berg

Panelists: O. Theiler, I. Samson, M. Staničić and L. Bloomfield

Discussion

6:00 p.m. Session 4

Unconventional Threats

Chairperson and introductory comments: S.P. Kapitza

Panelists: I. Gyarmati, R. Benedick, G. Flego and N. Radunović

Discussion

Free evening

Thursday, Nov. 17, 2005

9:00 a.m. Session 5

Conflict Prevention and Rapid Deployment for Disasters and Conflict resolution

Chairperson and introductory comments: Z. Bochniarz

Panelists: R. Berg, A. Goncharenko, B. Tashev, and B. Matic

Discussion

11:00 a.m. Coffee Break

11:30 a.m. Session 6

Reducing Nuclear Weapons Threats

Chairperson: H. Cleveland

Panelists: J. Singh, P. Cotta Ramusino and G. Jacobs

Discussion

1:30 p.m. Lunch

2:30 p.m. Session 7

Weapons of Mass Destruction

Chairperson and introductory comments: P. Cotta Ramusino

Panelists: R. Zilinskas, V. Lukov and J. Singh

Discussion

4:30 p.m. Coffee Break

5:00 a.m. Session 8

Culture of Peace and Human Rights

Chairperson and introductory comments: R. Diez Hochleitner

Panelists: Ž. Puhovski, R. van Harten, S. Gligorijević and I. Samson

Halls on the 17th Floor
World Academy of Art and Science General Assembly
The Future of Knowledge:
Evolutionary Challenges of the 21st Century

Program and Schedule (draft Nov 2, 2005)

November 17, Thursday

7:30 - 10 pm

Informal buffet reception

Welcoming remarks by conference organizers and mayor of Zagreb

November 18, Friday

9 - 11 am

Opening of the General Assembly

Walter Truett Anderson, President, WAAS (USA):

Opening of the General Assembly...(or....)

Dragan Primorac, minister of science, education and sports (Croatia):

Welcome address

Ivo Šlaus, Chair, Organizing Committee (Croatia)

Building Knowledge Society: Why and How

Janez Potočnik, EU Commissioner for R&D (Slovenia)

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11:00-11:30 am Coffee Break

11:30 am – 1 pm *Workshops*

Workshop 1 Hall A

The Ownership of Scientific Knowledge

Lorenz Ng (chair), Eli Lilly, Shanghai (US/China)

Harlan Cleveland, President Emeritus, World Academy (USA)

Slobodan Vukičević Medical School, University of Zagreb (Croatia)

Božidar Matić, Academy of Sciences and Arts of B&H (Bosnia & Herzegovina)

Stane Pejovnik (rapporteur) University of Ljubljana (Slovenia)

Workshop 2 Hall B

Frontiers of Genetics

Geoffrey Hamer (chair), Biofocus Foundation (UK)

Vito Turk, Jožef Stefan Institute (Slovenia)

Matko Bolanča, President, Management Board, PLIVA (Croatia)

Ana Stavljenić-Rukavina, former minister of health (Croatia)

Omar Kafwan, Faculty of Agriculture, University of Jordan

Eliora Ron (rapporteur), University of Tel Aviv (Israel)

Workshop 3 Hall C

Rising Expectations: Demography, Aging and Mobility

Sergei Kapitza (chair), Moscow Institute of Physics and Technology (Russia)

Garry Jacobs, International Center for Peace and Development (USA/India)

Asim Kurjak, Medical School, University of Zagreb (Croatia)

Orio Giarini (rapporteur), The Risk Institute (Italy)

1:30 – 3 pm *Lunch with Croatian Business Leaders*

Nadan Vidošević, President, Croatian Chamber of Economy

2:30 – 3:30 p.m. **Euroatlantic Security Study Group**

Future of Euro-Atlantic security structure

chairpersons: **R.W. Markus**, Bundesakademie Fuer Sicherheitspolitik Berlin, Germany
and
V. Shalamanov, G.C.Marshall Center, Bulgaria

3:30 – 5 pm ***First Plenary Session: The Culture of Peace and Security***

Harlan Cleveland (co-chair), Former US Ambassador to NATO (USA)
Mircea Malitza (co-chair), President, Black Sea University (Romania)
Paolo Cotta-Ramusino, Pugwash Conferences (Italy)
Jasjit Singh, Center for Strategic Studies (India)
Velizar Shalamanov G. C. Marshall Center (Bulgaria) *Workshops*

5:00 – 5:15 pm Coffee Break

SEED Organizational Meeting (5 – 5:30 pm)
Chairpersons: Ivo Šlaus, Orio Giarini and Agni Vlavianos-Arvanitis

5:30 – 7:00 pm *Workshops*

Workshop 4 Hall A

Democratizing Technology: The Future of Public Involvement

Gene Fowler, GeneForum, (co-chair)
Burke Zimmerman, GeneForum (co-chair)
George Gaskell, London School of Economics
Juergen Hempel, University of Stuttgart
Anders Jacobi, Danish Board of Technology

Workshop 5 Hall B

Knowledge and Certainty

David Peat (chair), Pari Center for New Learning (UK/Italy)
Greta Pifat-Mrzljak, Ruđer Bošković Institute (Croatia)
Maureen O’Hara, Saybrook Graduate School (USA)
Jordan PopJordanov, Macedonian Academy of Sciences and Arts (Macedonia)
Krunoslav Pisk (rapporteur), Interuniversity Center, Dubrovnik and R. Bošković Institute (Croatia)

Workshop 6 Hall C

Universities of the Future

Aleksandra Kornhauser (chair), University of Ljubljana (Slovenia, UK)
Boris Kamenar, University of Zagreb (Croatia)
Ralph Wolff, Western Association of Schools and Colleges (USA)
Horiyuki Yoshikawa, President, National Institute of Advanced Industrial S&T, former

president ICSU (Japan)
Vanja Ivošević, president European Student Union (Croatia)
Malcolm J. Frazer, director, Infotech Oxford (UK)
James Dator (rapporteur), University of Hawaii (USA)

7 – 8 pm *Light buffet dinner*

8:15 – 10 pm **Public Event: Changing Our Minds: Electronic and Chemical Modification of Cognition and Emotion**
Walter Truett Anderson and Ivo Slaus (moderator)
James Hughes, World Transhumanist Association (USA)
Ivica Kostovic, Croatian Institute for Brain Research (Invited)
Eric Racine, Stanford Center for Biomedical Ethics (Canada/US)

Saturday, November 19

8:30 – 10 am **Second Plenary Session: Knowledge, Equity and Globalization: Are We Moving Ahead or Falling Behind?**

Bohdan Hawrylyshyn (*co-chair*), *International Management Institute*
(Ukraine/Switzerland)
(*co-chair*)

Pushpa Bhargava, Vice-Chair, National Knowledge Commission (India)
Herwig Schopper, President, SESAME, former Director General CERN
(Germany/Switzerland)

Hiroyuki Yoshikawa, National Institute of Advanced Industrial S&T
(Japan)

10-10:30 am Coffee Break

10:30 – 12 **Third Plenary Session: Human Responsibility for Evolution: Was Huxley Right?**

Carl-Göran Hedén (*co-chair*), Biofocus Foundation (Sweden)
Agni Vlavianos-Arvanitis (*co-chair*), Biopolitics International (Greece)
Richard Benedick, Joint Global Change Research Institute (USA)
Ian Pearson, resident futurologist, BT Inc. (UK)
Miroslav Radman, University of Paris (Croatia/France)

12 – 2 pm Buffet *lunch*

2 – 3:30 pm

Fourth Plenary Session Employment in the Global Knowledge Society

Ana Maria Sandi (co-chair), The World Bank (Romania)
Garry Jacobs (co-chair), Int'l Center for Peace and Development (US/India)
Robert Berg, International Development Consultant (USA)
Orio Giarini, The Risk Institute (Italy)
Marc Luyckx, CBA Academy (Belgium/Croatia)
M. Nandagopal, The Mother's Service Society (India)

3:30 – 3:45 *Coffee break*

3:45 – 5:15 *Workshops*

Workshop 7 Hall A

Monetary Technology for Full Employment

Garry Jacobs (chair), International Center for Peace and Development
Henk van Arkel, Strohalm (Netherlands)
Robert van Harten, Mira International BV (Netherlands)
Orio Giarini, Risk Institute (Italy)
Guy Stevens (rapporteur), U. S. Federal Reserve System (ret.)

Workshop 8 Hall B

Organizing Knowledge for Human Benefit

Michael Marien (chair), Future Survey (USA)
Jerome Bindé, UNESCO (France)
Robert Blinc, Institute Jozef Stefan (Slovenia)
Anthony Judge, Union of International Associations (Australia/Belgium)
Robert Horn (rapporteur), Stanford University, Saybrook Graduate School (USA)

Workshop 9 Hall C

Globalization, Human Rights, and the Rule of Law

Steven Walther, (chair), American Bar Association Center for Human Rights (USA)

Winston Nagan, University of Florida, Amnesty International (USA)
Zarko Puhovski, professor of political philosophy, University of Zagreb (Croatia)
Ivo Josipović, (rapporteur), University of Zagreb, Member of Parliament (Croatia)

5:30 - 7 *WAAS Membership Meeting*

8 pm *Founders Banquet*
Ricardo Diez-Hochleitner, Honorary President, the Club of Rome (Spain)

November 20, Sunday

8:30 -10:30 am *Reports from Workshops*
Walter Truett Anderson, (co-chair)
Simeon Angelov (co-chair), Research chemist and diplomat (Bulgaria)

11 am – 12:30 pm *Closing Plenary: Europe as a Knowledge Society*
José Furtado (co-chair), Imperial University (UK)
Ivo Šlaus (co-chair)
Ernst U. von Weizsäcker, former Member of Parliament (Germany):
Maria da Graca Carvalho, Bureau of European Policy Advisers (Portugal):
Pieter Drenth, President, All European Academies (The Netherlands):

12:30 pm **Concluding talk:**
President of Croatia Stjepan Mesić

1:00 pm *Closing of the General Assembly: Walter Truett Anderson*