



NATO PROGRAMME SECURITY THROUGH SCIENCE

ADVANCED RESEARCH WORKSHOP

NATO Public Diplomacy Division, Bd. Leopold III, B-1110 Brussels, Belgium
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IDENTITY, SECURITY AND DEMOCRACY



**SOCIAL, ETHICAL AND POLICY IMPLICATIONS OF
AUTOMATED SYSTEMS FOR HUMAN IDENTIFICATION**

Sponsored by NATO

JERUSALEM (Israel)
2- 4 September 2006

Cosponsored by
SAGEM
BITE Project

Co-Directors
Manfred S. Green (Israel), Emilio Mordini (Italy)

International Organising Committee
D.Cohen (Israel), I.Dror (United Kingdom), M.Green (Israel), E.Mordini (Italy), K.Wadhwa (USA)

Mission



A NATO ARW is a forum for advanced level, intensive discussions between qualified experts from different countries and research sectors. The workshop on **Identity, Security and Democracy** addresses the challenges posed to society by automated systems for human identification. The spectre of an omnipresent authority overseeing every step of an individual's daily life has haunted citizens from their first reading of Orwell's 1984 in the middle of the last century, and was brought into a more vivid visualization in Spielberg's movie *Minority Report*. Yet this perspective is no longer science fictional. Automatic Identification Technology (AIT) systems are being deployed in many countries for widespread citizen identification, for purposes ranging from benefits entitlement, payments authorization, immigration control, and election management.

Background



In its broadest definition, Automatic Identification Technology (AIT) includes barcodes, radio frequency ID (RFID), satellite tracking systems, smart cards, optical memory cards, contact memory buttons, and biometrics. Use of these technologies to automatically identify individuals is becoming increasingly commonplace. By enabling data collection and transmission to automated information systems, AIT helps to identify, track, and monitor individuals. AIT applications concern a variety of areas: civil and criminal identification, surveillance and screening, health care, eCommerce, eGovernment, physical and logical access. Finally AIT has been one of the chief 'technical' responses to September 11.

Automated systems for human identification evoke several social, legal and ethical concerns. Concerns are based on a variety of factors, including fears about the centralization of personal information, the development of a unique identifier, and the potential for misuse. Finally, the evolution of information technology is likely to result in intimate interdependence between human bodies and technology, the so-called informatization of the body. Ethical and social implications of emerging AIT have been addressed by some initiatives. In 2004 the European Commission has funded the support action **BITE, Biometric Identification Technology Ethics** (www.biteproject.org) in the scope of the Action Plan on Science and Society of the VI Framework Program. BITE involves 9 partners, which are a unique combination of academic centres, industries and international organisations. In 2005 the Science and Society Directorate of the European Commission in collaboration with the BITE consortium has then convened the first **Transatlantic Meeting on Ethical and Social Implications of Biometrics** (http://ec.europa.eu/research/science-society/page_en.cfm?id=3165).

Vision



The preservation of personal privacy and civil liberties is compatible with the need to validate the identity of the individual crosses the spectrum of social interaction. There is no inherent reason why both critical security programs and civil applications of AIT must come at the expense of human dignity. Privacy, respect for human dignity, respect for democratic procedures, may and should complement security. There is a place for a multinational initiative that encourages further research into ethical and social implications of AIT. This NATO AWR intends to contribute to develop such an initiative.

People



The Organizing Committee represents key positions within the global conversation on ethical and social implications of security technologies, including expertise and broad exposure to stakeholders in that conversation. This includes deep technical knowledge of AIT, legal, ethical, and privacy issues, and cultural, social, cognitive, psychological and health concerns on a global basis.

Emilio Mordini (Italy), NATO ARW co-director, serves as a director of the Centre for Science, Society and Citizenship. He is the coordinator the EU funded project on ethical and social implications of biometrics: BITE (Biometric Identification Technology Ethics).

Manfred S Green (Israel), NATO ARW co-director, has been director of the Israel Center for Disease Control since 1994. He is also the current director of the Israel Center for the Study of Bioterrorism.

Kush R. Wadhwa (USA) brings global experience and expertise in the field of security and biometrics. He is the Managing Director of Global Security Intelligence, a consultancy which takes a holistic view of security-related issues, from technology to social issues.

Dani Cohen (Israel) is a renowned expert in the field of public health, health emergencies and risk communication and management. He works in the Israel Center for the Study of Bioterrorism, Tel Aviv University.

Itiel Dror (United Kingdom) has provided consultancy and workshops in numerous countries in a variety of biometric domains, including fingerprint and face identification. His research and interest is in the fields of human behaviour, training & knowledge acquisition, and technology & cognition.



Publication



Proceedings of the ARW will be published as a book volume in the NATO Science Series by IOS Press. The deadline for the paper submission is November 15, 2006.

The recommended length of the contribution is 6-8,000 words for the key speakers and 3-4,000 words for other participants and observers. Note that the proceedings of the workshop are expected to report on a status of the particular subject and are not restricted to the presentation of the original results only. The format of the contribution is prescribed by the publisher. Instructions and Tools for the preparation of a Camera-Ready Manuscript (in Word or LaTeX) can be downloaded from the Authors Corner on IOS Press website at http://www.iospress.nl/authco/instruction_crc.html.

ARW Format



The workshop will provide a flexible framework within which to discuss and debate the ethical and social impact of AIT. We aim to gather information from different perspectives and provide a pluralistic picture of the issue. The workshop will allow a full exchange of opinions to take place and promote open debate among participants. The main topics will be introduced by the **key speakers** in their 30 min talks followed by 1 hour discussions prompted by **frontline discussants**. The presence of all participants during the entire duration of the ARW is requested. The intention is to establish an effective interaction between participants, which is only possible if all participants stay for the full duration of the meeting.

Financial support



Since the funds available for organization of this NATO ARW are limited, only **key speakers** expenses will be met by the organisation.

In addition a limited financial support is also available for selected **participants**, who are not able to participate at their own expense. They will be selected on the base of their qualifications, their potential contribution, the benefit that they may draw from the meeting for their future activities, and country quotas determined by the NATO ARW format. For participants that stay for the full duration of the Workshop and are not employed by industrial or commercial undertakings, travel and/or accommodation expenses may be covered and the conference fee may be waived.

Researchers not accepted as participants but of an adequate standard to take advantage of the discussions may be invited in limited numbers as **observers**, their conference fee may be waived. However, observers' expenses will not be covered by the ARW funds.

The registration fee is 500 EUR. **No registration fee may be charged to participants unless they are from industry.**

Venue



Dan Panorama Jerusalem Hotel

39 Keren Hayesod Street - Jerusalem 94188

<http://www.danhotels.com/danSite/eng/index.asp>

e-mail: panoramajlm@danhotels.com Tel: 972-3-5202552 Fax: 972-3-5480111

Passport and Visa



All foreign visitors entering Israel must have a valid passport. Visas are not required for participants from the European Union. Participants from countries who need a visa to enter Israel should obtain one from the nearest Israel Embassy or Consulate in due time.

ORGANISING AGENCY

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PROGRAM

Friday, SEPTEMBER 1

Individual arrivals (all day)

Evening: At leisure

Saturday, SEPTEMBER 2

All day: Participate in optional tour of Jerusalem

h.16.30 Registration, get-together reception

Inaugural Session (18:00 – 21.00)

Chair: **Manfred S.Green**, Center for the Study of Bioterrorism, University of Tel Aviv (Israel)

18:00-18:15 Welcome by the Chairman

18:15- 18:45 The scope of the meeting - **Emilio Mordini**, Centre for Science, Society and Citizenship (Italy)

18.45 – 20.00 Round Table: *Why identification matters*

Uzy Berlinsky, Prime Minister's Office (Israel)

Guido Van Steendam, International Forum for Biophilosophy (Belgium)

Ho Chang, HumanScan AG (Germany)

20:00-21:00 Questions and Discussion

Dinner at the hotel

Sunday, SEPTEMBER 3

Session I (8:30–12:00)
SURVEILLANCE AND DEMOCRACY

Chair: **René Von Schomberg**, European Commission DG Research, Science and Society

8:30–8:40 Chair's introduction

8:40–09:10 Key Lecture – THE BIOMETRIC SOCIETY: RISKS AND OPPORTUNITIES
Manfred Bromba, Bromba GmbH Biometrics (Germany)

09:10–10:10 Questions and Discussion
Discussion opened by **Ilze Brands Kehris**, Latvian Centre for Human Rights (Latvia)

Coffee break (10:10–10:30)

10:30–11:00 Key Lecture – THE INFORMATISED BODY AS A SURVEILLED BODY
Irma van der Ploeg, Infonomics, New Media & Society, Zuyd University (NL)

11:00–12:00 Questions and Discussion
Discussion opened by **Nikola Pavesic**, Univerza V Ljubljani (Slovenia)

Lunch (12:00–13:50)

Session II (14:00–17:30)
SECURITY AND RESPECT FOR PRIVACY

Chair: **Maurizio Salvi**, Bureau of European Policy Advisers and European Group on Ethics, European Commission

13:50–14:00 Chair's introduction

14:00–14:30 Key Lecture – SECURITY IN A DIGITAL WORLD - FROM IDENTIFICATION TO IDENTITIES
Stephan J. Engberg, Priway (Denmark)

14:30–15:30 Questions and Discussion
Discussion opened by **Henry Boitel**, Editor of Biometric Bits (USA)

Coffee break (15:30–16:00)

16:00–16:30 Key Lecture – BIOMETRICS IN EUROPE
Patrice-E. Schmitz, UNISYS Europe (Belgium)

16:30–17:30 Questions and Discussion
Discussion opened by **Kush Wadhwa**, Global Security Intelligence (USA)

Farewell dinner at a restaurant

Monday, SEPTEMBER 4

Session III (8:30–12:00)
IDENTIFICATION IN HEALTH EMERGENCIES

Chair: **Elazar Zadok**, National Police Headquarters (Israel)

8:30–8:40 Chair's introduction

8:40–09:10 Key Lecture – IDENTIFICATION IN PUBLIC HEALTH EMERGENCIES
Michael Gross, School of Political Science University of Haifa (Israel)

09:10–10:10 Questions and Discussion
Discussion opened by **Sylvia Tomova**, Medical University Sofia (Bulgaria)

Coffee break (10:10–10:30)

10:30–11:00 Key Lecture – IDENTIFICATION IN NATURAL DISASTERS
Vincenzo Costigliola, President of the European Medical Association (Belgium)

11:00–12:00 Questions and Discussion
Discussion opened by **Dani Cohen**, Center for the Study of Bioterrorism (Israel)

Lunch (12:00–13:50)

Session IV (14:00–17:30)
THE RIGHT TO HAVE AN IDENTITY

Chair: **Itiel Dror**, Southampton University (UK)

13:50–14:00 Chair's introduction

14:00–14:30 Key Lecture – HUMAN RIGHTS, IDENTITY AND ANONIMITY
Anne Carblanc, Organisation for Economic Co-operation and Development (OECD)

14:30–15:30 Questions and Discussion
Discussion opened by **Frank (Yeruham) Leavitt**, The Centre for Asian and International Bioethics (Israel)

Coffee break (15:30–16:00)

16:00–16:30 Key Lecture – IDENTITY BETWEEN BIOLOGY AND SOCIETY
Paul McCarthy, Centre for Economic and Social Aspects of Genomics (United Kingdom)

16:30–17:30 Questions and Discussion
Discussion opened by **Wieslaw Bicz**, OPTEL (Poland)

Conversations and Dinner at the hotel (17:30–20:00)

Conclusive Session (20:00 - 21.20)

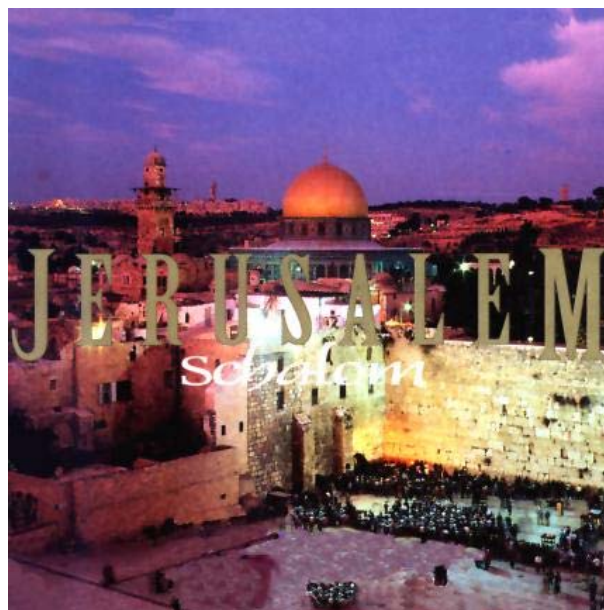
Chair: **Jocelyn Hattab**, The Jerusalem Mental Health Centre (Israel)

20:00-21:00 Conclusive Conversation on IDENTITY ,TECHNOLOGY AND DEMOCRACY
Dialogue between **Gérard Huber**, Santé et Solidarité (France) and **Marcelo Dascal** (Tel Aviv University)

21:00-21:20 WHERE DO WE GO FROM HERE?
Emilio Mordini, Centre for Science, Society and Citizenship (Italy)

Tuesday, SEPTEMBER 5

Departures or optional extensions





Speakers, Participants and Observers

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NATO Advanced Research Workshop (ARW)
IDENTITY, SECURITY and DEMOCRACY

Please, fill in the form of prospective participant and fax or e-mail it to the Co-Director of the ARW Prof. E.Mordini (Fax +39 0697840359 / email: e.mordini@bioethics.it)

Participant's application
DEADLINE: JULY 30, 2006

NAME: _____

AFFILIATION: _____

Tel.: _____ Fax: _____

E-mail: _____

I would like to take part in the ARW as participant observer

Please find enclosed my CV

Please mark the boxes below, if your participation at the ARW would be impossible without financial support from funds of the ARW for

- ❖ travel expenses
- ❖ accommodation expenses
- ❖ conference fee

Signature

Date