

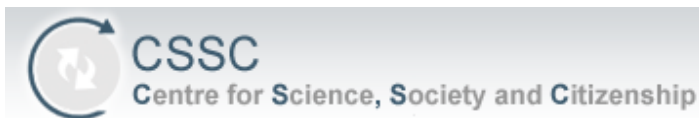


2007 - 2013



HIGH LEVEL WORKSHOP

# Ethical and Policy Implications of Global Mobility and Security



25-26 March 2010

HIGH LEVEL WORKSHOP

# Ethical and Policy Implications of Global Mobility and Security

BRUSSELS, BERLAYMONT BUILDING, ROOM SCHUMAN, 25-26 MARCH 2010



THURSDAY 25 MARCH

13.00-13.30

REGISTRATION AND WELCOME COFFEE

13.30-14.00

OPENING

**Emilio Mordini**, Centre for Science, Society and Citizenship, Rise Coordinator

*Welcome from the RISE Project*

**Margit Sutrop**, University of Tartu, Workshop Chair

*Global mobility and security. Ethics and policy of biometrics*

14.00-17.15

SESSION I – IDENTITY MANAGEMENT: GOVERNANCE AND POLICY MAKING

*Identity management is the key enabler and critical component of securing the mobility of people and goods. The EU has supported different identity technologies and related initiatives. Biometrics and biometric systems are implemented mainly to control the movement of physical people: for border and immigration control in e-passports or large-scale IT systems like EURODAC, SIS II and VIS. E-services (including e-Governmental solutions) and digital signature functionality is usually enabled by PKI-based or PIN-based identity tokens (usually on national ID-cards, hereinafter eIDM). Some EU countries have considered using biometrics (some national ID-cards already contain biometrical identifiers, for example, in Italy, Lithuania, Portugal, Spain, and The Netherlands) for access to e-Governmental services as well, but these have not been reported as authentication methods for specific e-Government applications. There is no common policy on the EU level regarding the concepts of identity, identification and authentication, as well as which types of information could be used to establish an identity or how the reliability of identity infrastructures could be determined. Is there a need for such a policy? What are the main obstacles for a holistic policy and its implementation? What are the technical/infrastructural, legal and political challenges of eIDM interoperability and cross-border usage in e-services? Which ID-s are reliable? Is there a need for a European authentication assurance policy, a concept of authentication levels that could indicate to citizens to which e-Government services they shall have access based on the security level of their authentication mechanism? Is there a future for authentication with biometrical identifiers for e-Governmental services? What are privacy concerns that should be addressed?*

Co-Chairs

**Nicolas Delvaux**, Sagem Sécurité

**Clemens Willemsen**, Netherlands Ministry of Justice - Administration of Justice and Law Enforcement Policy Instruments Department

14:00-14:10

**Nicolas Delvaux**, Sagem Sécurité

*Chair's introductory remarks*

14.10-14.30

**Kjetil Rommetveit**, University of Bergen

*Overview of the policy process introducing biometrics in the EU*

14.30-14.40

Discussion

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- 14.40-15.00 **John Stienen**, DG Informatics, European eGovernment Services (IDABC)  
*The current state of play: the use of eID in eGovernment applications*
- 15.00-15.10 Discussion
- 15.10-15.30 **Max Snijder**, European Biometric Forum  
*Biometrics and e-Government*
- 15.30-15.40 Discussion

## 15.40-16.00 COFFEE BREAK

- 16.00-16.20 **Kai Rannenberg**, Goethe University  
*Identity Assurance. Who gets the assurance, who carries the risk?*
- 16.20-16.30 Discussion
- 16.30-16.50 **Alexander Nouak**, Fraunhofer Inst. for Computer Graphics Research  
*Security in information technology*
- 16.50-17.00 Discussion
- 17.00-17.15 **Clemens Willemsen**, Netherlands Ministry of Justice - Administration of Justice and Law Enforcement Policy Instruments Department  
*Chair's final remarks*

FRIDAY 26 MARCH

## 8.30-9.00 WELCOME COFFEE

## 9.00-13.00 SESSION II – FUNDAMENTAL RIGHTS, PRIVACY, AND SECURITY: A MULTIFACETED PRISM

*The rationale for political decisions to implement biometrics has been related to international security: mainly to avoid illegal immigration and combat terrorism. What is needed for such political decisions to be purposeful, transparent and proportional in relation to the problem? What are the societal and ethical consequences? How are data used to combat terrorism? How are civil liberties and human rights actually protected? What kind of resources need to be made available to decision makers? Which stakeholders should be involved? Biometrics is currently in use (travel documents, SIS II, etc.), but questions remain. The new body surveillance technology on the table is full body scanners in the field of aviation security. The raised questions about biometrics are highly relevant for analysis and assessment of the impact of full body scanners on fundamental rights, also on its efficiency in combating terrorism.*

## Co-Chairs

**Margit Sutrop**, University of Tartu  
**Jean-Michel Baer**, European Commission – DG Research – Director of Directorate Science, Economy and Society

- 9.00-9.10 **Jean-Michel Baer**, European Commission – DG Research – Director of Directorate Science, Economy and Society  
*Chair's introductory remarks*

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9.10-9.30 **Special Address** delivered by **Siim Kallas**, Vice-President of the European Commission, Transport Commissioner

*Aviation security: ethics and privacy challenges*

9.30-9.40 Discussion

9.40-10.00 **Jan Ostoja-Ostaszewski** – Member of the Cabinet of Vice-President V.Reding, Commissioner for Justice, Fundamental Rights and Citizenship.

*Privacy and Data Protection: the new challenges ahead*

10.00-10.10 Discussion

10.10-10.30 **Peter Hustinx**, European Data Protection Supervisor

*A Privacy Framework for the Stockholm Programme*

10.30-10.40 Discussion

10.40-11.00 **Margaritis Schinas** - Bureau of European Policy Advisors, Principal Advisor

*What ethics frame for surveillance technologies?*

11.00-11.10 Discussion

## 11.10-11.30 COFFEE BREAK

11.30-11.50 **Kamlesh Bajaj**, Data Security Council of India

*Security and Privacy challenges in the Unique ID Project of Govt. of India*

11.50-12.00 Discussion

12.00-12.20 **Julian Jones** - British Standards Institution

*Societal Aspects of Biometrics*

12.20-12.30 Discussion

12.30-12.50 **Günter Schumacher** - Institute for the Protection and Security of the Citizen

*Biometrics for hostile intention detection: technology trends and policy challenges*

12.50-13.00 Discussion

13.00-13.10 **Margit Sutrop**, Tartu University

*Chair's final remarks*

## 13.10-14.10 LUNCH BREAK

### 14.10-17.45 SESSION III: CRITICAL INFRASTRUCTURE PROTECTION: THE ETHICAL AND POLICY CONTEXT

*ID management, its technologies and systems are seen mostly as security means, for example, to access information databases or networks, to authenticate Internet banking or e-government services, but also to cross borders. As our life and many services nowadays rely on central ID management systems and infrastructure (for example, e-services on national eID-s or biometrical ID-s, etc.), we are critically dependent on them. Protective measures need to be put in place to guarantee that these services and the identity infrastructure are not vulnerable to failures, disruptions or attacks. Are ID*

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*management systems, including large-scale biometric systems, seen as critical information infrastructures in the EU? How are ID management systems (databases) protected and secured against massive cyber attacks? What are the main risks and scenarios?*

## Co-Chairs

**Karin Riis-Jørgensen**, European Privacy Association  
**Nigel Cameron** – Centre for Policy on Emerging Technologies

14.10-14.20 **Nigel Cameron** – Centre for Policy on Emerging Technologies  
*Chair's introductory remarks*

14.20-14.40 **Key Note** delivered by **Jaak Aaviksoo**, Estonian Minister of Defence  
*Are democratic states more vulnerable to cyberterrorism?*

14.40-14.50 Discussion

14.50-15.10 **Christoph Kautz**, European Commission, DG Enterprise and Industry  
*Security and Ethics in FP7*

15.20-15.20 Discussion

15.20-15.40 **Ray Nightingale** - Global Trust Council  
*Clarity – The Key to Legal Interoperability*

15.40-15.50 Discussion

## 15.50-16.20 COFFEE BREAK

16.20-16.40 **François M. H. Géré**, French Institute for Strategic Analysis  
*The Difficult Balance between Secret and Transparency*

16.40-16.50 Discussion

16.50-17.10 **Yeruham (Frank) Leavitt** – Faculty of Health Sciences Ben Gurion University  
*Democracies restricting democratic rights: some classical sources and implications for ethics of biometrics*

17.10-17.20 Discussion

17.20-17.30 **Karin Riis-Jørgensen**, European Privacy Association  
*Chair's final remarks*

## 17.30-17.45 CONCLUSIONS

**Niovi Pavlidou**, Aristotle University, University of Thessaloniki  
*Presentation of the second RISE workshop on global mobility and security*  
**Emilio Mordini**, Centre for Science, Society and Citizenship  
*Final Remarks*

17.45 **ADJOURN**

# Ethical and Policy Implications of Global Mobility and Security

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## About this workshop

The workshop will examine the opportunities and challenges that information and communication technologies (including biometrics) provide for the mobility of people and information. The workshop will focus on: governance and policy-making processes regarding identity management systems; the multifaceted prism of fundamental rights to privacy and security in relation to the implementation of biometrics, body scanners and other detection technologies; and cyber security of critical information infrastructures.

Globalisation and the development of the information society introduce new challenges but also new opportunities with respect to the mobility of people, goods, services and capital. Such mobility includes the movement of (1) bodies (people), (2) transactions (things that a person does either as physical actions or as captured in data), and (3) artefacts (things associated with the individual). Traditionally free movement of people and goods includes the movement of physical bodies or artefacts. Technologies like biometrics are implemented to control the movement of people in order to prevent different security threats, illegal immigration, and criminal and terror attacks. But information and communication technologies also provide new dimensions and a user-centric approach for the mobility of people: social interaction and communication in Internet environments; services and movement of capital across borders via e-services or e-Governmental portals (for example, citizens of Portugal, Belgium, Finland, and Lithuania can establish enterprises in Estonia through the Company Registration Portal (<https://ettevotjaportaal.rik.ee/index.py?chlang=eng>) by using a national ID-card or Mobile-ID. The interoperable and secure identity management systems are critical for providing e-services. Since the importance of digital identity and identity management systems is increasing in the global context, the cyber-security of such systems is a substantial concern.

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## Venue, Date, Attendance

Workshop venue is Schuman Room, Berlaymont Building, 200 Rue de la Loi, Brussels. Workshop date is 25-26 March 2010.

Attendance is only by invitation. In order to participate, please send a motivation letter with a short bio note. Places are very limited. The deadline for submission is March 10<sup>th</sup>.

### HOW TO GET FROM THE AIRPORT TO THE BERLAYMONT BUILDING

#### By taxi:

Taxis are available in front of the arrival hall. Licensed taxis are recognisable by the blue and yellow emblem. The fare to the city centre is around € 40.

#### By bus:

The bus station is located one floor down from the arrival zone. The "Airport Line" no. 12 bus links the airport with the European District departing three times per hour. The stop "Schuman" is just in front of the Berlaymont building. The journey takes approximately 20 minutes and costs € 3.

#### By train:

The train station is located below the terminal at level -1. Four trains per hour connect the airport to the stations "Brussels North", "Brussels Central" and "Brussels South". From Brussels Central Station, take the metro 1a or 1b to Schuman. The journey takes approximately 35 minutes and costs € 5,05 for the train and € 1,70 for the metro.

# Ethical and Policy Implications of Global Mobility and Security

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## Access to Berlaymont Building

You will be asked to follow the procedures outlined below:

- (1) Present yourself, with proof of identity and a copy of an invitation to the reception desk, where you will receive a badge
- (2) Show your badge to the guards
- (3) You will have to pass your bags etc through the X ray machine and pass through the metal detector. Any positive response to the metal detector must be checked by the guard, and action taken to ensure that the person concerned gives a negative result before they can be allowed access to the building
- (4) You should be accompanied by an official at all times. Any visitor without a visitor badge, or unaccompanied, should be asked to return to the reception desk. Jolanta KLIMCZAK-MORABITO (+32 22994274) will be your contact person during your staying in the building



# Ethical and Policy Implications of Global Mobility and Security

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## Participants

### ARMENIA

**Armen Galstyan** – ICHD, International Center for Human Development

### BELGIUM

**Erin Anzelmo** - CompTIA, the Computing Technology Industry Association

**Kathryn L. Buer** – Raytheon International

**Jessica Henderson** - Fleishman-Hillard

**Francesca Nicolini** - Smiths Detection Group

**Reginald Otten** - Fleishman-Hillard

**Magnus Ovilius** - Smiths Detection Group

**Isabelle Roccia Précésényi** - Schuman Associates

**Rowena Judd** - Security Europe

**Brooks Tigner** – Security Europe

**Lucia Waldnerova** - APCO Worldwide

### DENMARK

**Karin Riis-Jørgensen** - European Privacy Association

### ESTONIA

**Jaak Aaviksoo** - Minister of Defence

**Katrin Laas-Mikko** – University of Tartu

**Triin Paaver** – University of Tartu

**Margit Sutrop** – University of Tartu

### EUROPEAN COMMISSION

**Jean-Michel Baer** - DG Research, Director of Directorate Science, Economy and Society

**Eva-Maria Engdahl** - DG Enterprise and Security Research and Development

**Isidoros Karatzas** - DG Research, Ethics and Governance

**Siim Kallas** - Vice-President of the European Commission, Transport Commissioner

**Christoph Kautz** - DG Enterprise and Industry, Security Research and Development

**Laura Bianca Mihai** - Unit A4 - Security Policy DGRELEX

**Jan Ostoja-Ostaszewski** – Member of the Cabinet of Vice-President V.Reding, Commissioner for Justice, Fundamental Rights and Citizenship.

**Patricia Reilly** - Member of Cabinet of Commissioner Máire Geoghegan-Quinn (RDT)

**Paolo Salieri** - DG Enterprise and Industry, Security Research

**Maurizio Salvi** - Bureau of European Policy Advisors

**Margaritis Schinas** - Bureau of European Policy Advisors

**Rene von Schomberg** - DG Research, Ethics and Governance

**Günter Schumacher** - Institute for the Protection and Security of the Citizen, Joint Research Centre

**John Stienen** - DG Informatics, European eGovernment Services (IDABC)

### EUROPEAN DATA PROTECTION SUPERVISOR

**Katarzyna Cuadrat-Grzybowska** - Legal Officer, EDPS

**Benedicte Havelange** - Legal Advisor, EDPS

**Peter Hustinx** - European Data Protection Supervisor

### EUROPEAN PARLIAMENT

**Sophie Bots** - Political Assistant to MEP Sophie In t Veld

**Kadri Vanem** - Advisor to MEP Tunne Kelam

**Heleri Pent** - Advisor to MEP Tunne Kelam

### FRANCE

**Gerard Cornet** - Societe Francaise des Technologies pour l'autonomie et de Gerontechnologie

**Nicolas Delvaux** - Sagem Sécurité

**François M. H. Géré** – French Institute for Strategic Analysis

### GERMANY

**Michael Friedewald** - Fraunhofer Institute for Systems and Innovation Research

**Alexander Nouak** - Fraunhofer Inst. for Computer Graphics Research

**Kai Rannenberg** - Goethe University

### GREECE

**Niovi Pavlidou** - Aristotle University Thessaloniki

**Elena Tavlaki** - Arachni Ltd

**Georgios Nouskalis** - Aristotle University Thessaloniki

### INDIA

**Kamlesh Bajaj** - Data Security Council of India

**Vinayak Godse** - Data Security Council of India

### IRELAND

**Max Snijder** - European Biometric Forum

### ISRAEL

**Yeruham (Frank) Leavitt** – Faculty of Health Sciences Ben Gurion University

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## ITALY

**Valeria Balestrieri** - Centre for Science, Society and Citizenship

**Frediano Maria Di Carlo** – Elsas Datamat

**Emilio Mordini** - Centre for Science, Society and Citizenship

**Mario Savastano** – National Research Council

**Martin Scheinin** - European University Institute

**Francesco Valdevies** - Elsas Datamat

**Silvia Venier** - Centre for Science, Society and Citizenship

## NORWAY

**Kjetil Rommetveit** - University of Bergen

## POLAND

**Jerzy Banaś** – Człowiek i Dokumenty

## REPUBLIC OF CHINA

**Ajay Kumar** - The Hong Kong Polytechnic University

## SLOVAKIA

**Dusan Soltes** – Comenius University of Bratislava

## SLOVENIA

**Nikola Pavesic** – University of Ljubljana

## SPAIN

**M<sup>a</sup> Pilar Núñez-Cubero** - Universidad Ramon Llull of Barcelona and Asociación Nacional de Bioética Fundamental y Clínica

**Carlos María Romeo-Casabona** – Director Inter-University Chair in Law and the Human Genome University of Deusto and University of the Basque Country

## SWEDEN

**Ray Nightingale** - Global Trust Council

## TAIWAN

**Chi-Shing Chen** - National Cheng Chi University

## THE NETHERLANDS

**Ineke Malsch** - Malsch Techno Valuation,

**Irma van der Ploeg**- Infonomics & New Media Research Centre. Zuyd University

**Clemens Willemsen** - Ministry of Justice -

Administration of Justice and Law Enforcement Policy Instruments Department

## UNITED STATES

**Nigel Cameron** – Centre for Policy on Emerging Technologies

**Matt Schneider**- US Visit Program

**Kush Wadhwa** - Global Security Intelligence

## UNITED KINGDOM

**Michael Collyer** - University of Sussex

**Rosamunde van Brakel** - University of Sheffield

**Kristrun Gunnarsdottir**- Lancaster University

**Julian Jones** - British Standards Institution

**Pelle Neroth** - E&T Magazine

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## Interventions

### GENERAL REMARKS

Speakers and chairs are kindly requested to respect allotted time to ensure adequate time for debate and conform to timetable. Chairs are urged to strictly monitor and manage time allocation.

### SPEAKERS

Speakers are invited to draw up a state of affairs for their particular topic, based upon their own experience and expertise. Presentation should not exceed 20 minutes. Shorter speeches, which give more time to discussion, are welcome. Speakers can use visual material (PowerPoint presentation or slides) to support their presentation.

### CHAIRS

**Prior to the session:** chairs are invited to contact the speakers of their session to provide them guidance in preparing their intervention.

**Opening the session:** the chair introduces the main topics for the session. He/she can provide some personal experience with the theme of the session and present his expectations regarding this session. He/she lays the ground rules for the session, including setting the time limits. He/she reminds the audience that there will be time for questions.

**Closing the session:** the chair summarises the main arguments discussed in the session and enlightens the main points of agreement and disagreement (if any).

### AUDIENCE

Participants are invited to pose questions and to challenge speakers. After each presentation there will be 10 minute discussion time. Participants who want to intervene are kindly asked to wait that the chair gives them the floor and to tell their name and affiliation. Questions and comments should be as short as possible and in any case should not exceed 2 minutes. Also speaker's answers should be limited to 2 minutes. This should allow 2 or 3 Q&A per discussion time.

# Ethical and Policy Implications of Global Mobility and Security

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## Rising pan-European and International Awareness of Biometrics and Security Ethics

*Grant Agreement: 230389 - Start date: 01-03-2009 Duration: 36 months*

RISE is a 36-month project funded in the scope of FP7, which aims at promoting pan-European and International Awareness on Ethical Aspects of Biometrics and Security Technologies. In particular the purpose of the project is to deepen, enlarge, and ensure continuity in international dialogue already instigated by the international conferences on ethics and biometrics organised by the EC DG Research and the US DHS Privacy Office respectively in Brussels and Washington DC in 2005 and 2006.

RISE will set up an international dialogue initiative, which will be presented at the project's completion. The initiative aims at strengthening the relationship and increasing mutual understanding in a spirit of mutual respect and equal partnership. It will provide an informal, open forum to discuss ethical, privacy and social issues raised by biometrics and security technologies. In this way it will complement work carried out in bilateral and multilateral forums sponsored at governmental level. It will also be responsible for promoting a biennial conference, which should give the overall political impetus to the dialogue.

### NEXT RISE EVENTS

- **September 23-24 2010, Brussels**  
Workshop on Ethical and Policy Implications Global Mobility and Security II
- **October 21-22, 2010, Taipei**  
Pan Asian Conference on Ethics of Security Technologies
- **December 9 -10 2010, Brussels**  
RISE Stakeholder Conference and Joint Conference with the HIDE Project
- **May 5 -6 2011, Washington DC**  
High Level Meeting on Transatlantic Policy Issues
- **October (date tbc) 2011, Beijing**  
High Level Workshop on Global Governance of Biometric Technologies
- **December 1-2 2011, Brussels**  
4th International Conference of Ethics and Policy of Biometrics

### RISE Consortium

*Centre for Science, Society and Citizenship (Italy) – Coordinator*

*Aristotle University of Thessaloniki (Greece)*

*Centre for Policy on Emerging Technologies (United States)*

*Data Security Council of India (India)*

*European Biometric Forum (Ireland)*

*Global Security Intelligence Llc (United States)*

*Lancaster University (United Kingdom)*

*National Cheng Chi University (Taiwan)*

*The Hong Kong Polytechnic University (Republic of China)*

*University of Tartu (Estonia)*

**COORDINATOR: EMILIO MORDINI**

**PROJECT OFFICER: RENE VON SCHOMBERG**

**CONTACT: [cssc@cssc.eu](mailto:cssc@cssc.eu)**

# Ethical and Policy Implications of Global Mobility and Security

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## Centre for Ethics, University of Tartu, Estonia

The University of Tartu, Centre for Ethics is an interdisciplinary unit involving philosophers, medical doctors, lawyers, biologists, social scientists and other disciplines within the university. The Centre's main objectives include: interdisciplinary research regarding the ethical issues pertaining to science, society and research activities; furthering reflections upon norms, values and questions of justice in the Estonian society through organizing public lectures, workshops and seminars; coordinating the teaching of ethics both in the university as well as in high school, preparing, compiling and publishing anthologies and textbooks on ethics and advising the policy makers on the ethical issues.

The Centre has successfully participated in several international research projects funded by the European Commission (5th, 6th and 7th Framework Programmes), UNESCO, Volkswagen Foundation, Academy for Advanced Studies (NorFa), Stiftelsen Riksbankens Jubileumsfond (Nordic Spaces), European Economic Area (Norway), as well as in local research projects granted by the Estonian Science Foundation, Estonian Ministry of Education and Research, Estonian Ministry of Social Affairs, Open Estonian Foundation, etc. Currently the Centre is holding 6 international and 4 local R&D grants. It is involved also in several EC funded FP7 projects, e.g. ETHICWEB (Interconnected European Information and Documentation System for Ethics and Science: European Ethics Documentation Centre), RISE (Rising pan-European and International Awareness of Biometrics and Security Ethics) and TECHNOLIFE (Transdisciplinary approach to the emerging challenges of novel technologies: lifeworld and imaginaries in foresight and ethics), as well as in several international networks of medical ethics and moral philosophy.

The Centre has also organized several public events, both local and international, e.g. conferences on science and knowledge-based society, violence in school, ethics in medicine, trust and cooperation, happiness, prostitution, common values, values in education, etc. In cooperation with the Estonian Presidency the Centre has organized public debates and essay competitions on the values and future of Estonia. It has published a book on women's participation in politics, issued a handbook on codes of conduct and on value-education at school. To raise interest and awareness of ethical issues and to promote ethical behavior of the professionals, the Centre for Ethics is running a web-based database „Ethicsweb“ ([www.eetika.ee](http://www.eetika.ee)). which contains information about different fields of applied ethics: bioethics, business ethics, environmental ethics, ethics of ICT, ethics of sports, global ethics, media ethics, medical ethics, and other. The Centre has set up and coordinates a nation-wide state programme “Value Development in the Estonian Society 2009–2013” supported by the Estonian Ministry of Education and Research.

Head of the Centre for Ethics: Prof. Margit Sutrop

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Webpages: [www.eetikakeskus.ut.ee](http://www.eetikakeskus.ut.ee) / [www.eetika.ee](http://www.eetika.ee)

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## Ethical and Policy Implications of Global Mobility and Security A RISE high level workshop



Sun Furong, Nibbling. *Zhongshan Clothin*, 2003-2005