RESPONSIBLE RESEARCH AND INNOVATION IN BIOMETRICS

RISE FINAL CONFERENCE

1-2 December 2011
SQUARE - BRUSSELS MEETING CENTRE
Brussels

About this conference

The idea that scientific and technological research must be responsible dates back at least to 1950s when scientific discoveries seemed to threat even the survival of the human species. Yet in the cold war climate, people felt that the danger did not dwell in technology research per se, rather in its military applications. Today the scenario is quite different. People worry that the never ending production of new technologies may turn into a severe threat to their life or to the life of future generations. Technology is contributing to improve dramatically life conditions both at local and global level, yet people worry that the bill risks to be high. Scientists, technologists, industries, funding agencies, policy makers, are increasingly asked to become responsive for the impact of technological research on people and society. The concept of Responsible Research and Innovation (RRI) addresses this need by rooting technology into society, and linking technology to products, services, business, and social processes. In a nutshell, RRI aims to turn technology risks into inclusive opportunities.

Biometrics are becoming increasingly common in many applications and usage. Technology advancements, such new iris scanning and facial recognition, mobile biometrics, novel sophisticated fingerprint readers, vascolar resognition systems, and so on, are driving the new biometric wave. On macro level, multi purpose ID programs, like those in progress in India, Mexico and Malesia, are showing the potential magnitude of the impact of biometrics on society. In Europe the European Visa Information System and the future 'Smart Borders' initiative are confirming the centrality of biometric technology in large scale identification programs and border control. On micro level, biometrics are more and more integrated in smart devices and are becoming part of people's daily life. The trend is towards a greater public acceptance of biometrics. Yet some crucial issues are still to be solved, such as an effective legal protection of biometric data, and the controversial question of large multi-purpose centralized databases. Also the impact of biometrics on people's lifestyle, habits, and standards should be carefully considered, given that biometric technology targets very delicate aspects of human life. This is then the right moment to launch a comprehensive initiative involving stakeholders and global actors about the ethical acceptability, sustainability and societal desirability of biometric innovation and how society, scientists, technologists, industries, funding agencies, policy makers, may become mutually responsive to each other in this sensitive technology sector. With this conference, the RISE project aims to pave the way for a future, global, initiative devoted to RRI in biometrics.

Venue, Date, Attendance

Venue: SQUARE - BRUSSELS MEETING CENTRE, Meeting Studio 211 & 212
Ravenstein Entrance, Rue Ravensteinstraat 2,
 B-1000 Brussels www.square-brussels.com

Date: Dec 1-2, 2011

Attendance is free and is only by invitation. To be invited, please send a motivation letter with a short bio note to the conference chair, Emilio Mordini (emilio.mordini@cssc.eu) or to the scientific secretariat of the RISE project, Silvia Venier (silvia.venier@cssc.eu). Please use the heading: RISE FINAL CONFERENCE.

Travel and lodging costs of main speakers will be met by the organisation. A few grants are also available for early stage researchers and for scholars from International Cooperation Partner Countries (http://cordis.europa.eu/fp7/who_en.html#countries). They will be awarded on a first come, first served basis.

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, are welcome. Speakers can use visual material (PowerPoint presentation or slides) to support their presentation.

CHAIRS

The chair briefly introduces the main topics for the session. He/she lays the ground rules for the session, including setting the time limits.

CONFERENCE AGENDA

THURSDAY 1 DECEMBER	
08:30-09:00	**REGISTRATION AND WELCOME COFFEE**

OPENING SESSION
Chair: **Emilio Mordini**, CSSC, Coordinator of the Rise Project

09:00-09:15	*Chair's opening remarks and introduction to the theme of the conference*
09:15 – 09:30	**Rene von Schomberg** – DG Research and Innovation, European Commission *Welcome from DG Research and Innovation*

Opening Speeches

09:30 -10:00	**Peter Hustinx,** European Data Protection Supervisor *Recent developments of the European Data Protection framework*
10:00-10:30	**François Géré**, Institut Français d'Analyse Stratégique *Ethical and Societal Challenges in security policy setting*

10:30- 11:00	**COFFEE BREAK**

PANEL 1: BIOMETRICS BEYOND SECURITY TECHNOLOGY
Chair: Eva-Maria Engdahl - DG Enterprise - Security Research and Development

11:00-11:30	**Key note** delivered by **Alexander Nouak**, Fraunhofer Institute for Computer Graphics Research IGD, and chair of the European Association for Biometrics
11:30 -11:50	**Clyde Wayne Crews Jr**, Competitive Enterprise Institute (CEI) *Harnessing Market Forces to Discipline Risky Emergent Technologies*
11:50-12:10	**Johann Cas**, Institute of Technology Assessment, Austrian Academy of Science *What is security today?*
12:10 -12:30	**Stefanie Goymann** Fraunhofer Institute for Technological Trend Analysis and Etcetera Project *Biometrics in the context of new and emerging security technologies*
12:30 –13:00	*General discussion*

13:00-14:00	LUNCH BREAK

PANEL 2: THE RIGHT TO HAVE AN IDENTITY: THE GLOBAL CONTEXT
Chair: Marie-Ange Balbinot, DG Home Affairs, European Commission

14:00-14:30	**Key note** delivered by **Alan Gelb**, Center for Global Development; formerly, Director of Development Policy at the World Bank
14:30-14:50	**Peter Went**, WCC Smart Search and Match *Is a global ID feasible? Is a global ID advisable?*
14:50-15:10	**Joseph Atick**, Executive Vice President and Chief Strategic Officer of L-1 Identity Solutions, Vice Chairman of the International Biometrics & Identification Association (IBIA) *Biometrics in the age of mobility and social media: the new challenges for privacy*
15:10-15:30	*General discussion*

15:30 -16:00	COFFEE BREAK

PANEL 3: THE RIGHT TO HAVE AN IDENTITY: LARGE SCALE PROGRAMMES
Chair: Margit Sutrop, Centre for Ethics of the University of Tartu

16:00-16:30	**Key note** delivered by **Roberto Tavano**, Unisys, Global Security Sales for Technology, Consulting & Integration Services
16:30-16:50	**Kamlesh Bajaj,** Data Security Council of India *The Indian Unique Identification project: where we are, where we go*
16:50-17:10	**Ting-Chi Liu** College of Law, National Chengchi University *Biometrics; Privacy and Data Protection in the Asian context*
17:10-17:30	**Alexander G. Ivanchenko**, Russian Security Industry Association, Security Advisory Board of the Moscow City Council *Biometrics in Russia*
17:30-18:00	*General discussion*
18:00	*Adjourn*
18:00 – 20:00	*Reception*

FRIDAY 2 DECEMBER

PANEL 4: TRUSTED IDENTITIES IN A GLOBALISED WORLD
Chair: **Jacques Bus**,   Centre for Security, Reliability and Trust, University of Luxembourg; formerly, Head of Unit Trust and Security ICT Program , European Commission

09:00-09:30	**Key note** delivered by **Edward Higgs**, Department of History, University of Essex
09:30-09:50	**Joerg Resch** Kuppinger Cole *Privacy by Design – Identity Management in the Context of Fair Information Practices*
09:50 -10:10	**Young-Bin Kwon,** Dept. of Computer Eng., Chung-Ang University *Biometrics standards and Trust*
10:10-10:30	**Werner Blessing** BIOMETRY *Trust in a mobile world*
10:30-11:00	*General discussion*

11:00-11:30	COFFEE BREAK

FINAL ROUND TABLE: RESPONSIBLE RESEARCH AND INNOVATION IN BIOMETRICS
Chair: **Nigel Cameron**, President and CEO, C-PET

11:30- 13:00	**PANEL** o **Farzin Deravi**, School of Engineering and Digital Arts at the University of Kent o **Ajay Kumar**, Department of Computing, Polytechnic University, Hong Kong o **Marco Manso** TEKEVER Communication Systems, Portugal o **Kjetil Rommetveit** - Centre for the Study of the Sciences and the Humanities, University of Bergen o **Günter Schumacher** - Institute for the Protection and Security of the Citizen, Joint Research Centre o **Rene von Schomberg** – DG Research and Innovation, European Commission o **Max Snijder,** European Association for Biometrics, The Netherlands
13:00-13:15	Conclusive remarks by **Emilio Mordini**, Coordinator of the Rise Project

RISE Conferences and Workshops

- **March 12-13 2009, Rome**
  RISE KICK OFF MEETING (convened by the Centre for Science, Society and Citizenship)

- **September 24-25 2009 , Delhi**
  PRIVACY AND DATA PROTECTION IN INDIA (convened by the Data Security Council of India)

- **November 5 -6 2009, Brussels**
  WORKSHOP OF INDIVIDUAL IDENTIFICATION (convened by the Lancaster University)

- **January 4-5 2010, Hong Kong**
  INTERNATIONAL CONFERENCE OF ETHICS AND POLICY OF BIOMETRICS (convened by the Hong Kong Polytechnic University)

- **March 25 -26 2010, Brussels**
  HIGH LEVEL MEETING ON GLOBAL MOBILITY (convened by the University of Tartu)

- **September 23-24 2010, Brussels**
  HIGH LEVEL MEETING ON CYBER SECURITY (convened by the Aristotle University of Thessaloniki)

- **October 21-22, 2010, Taipei**
  SEMINAR ON ETHICS, PRIVACY AND BIOMETRICS (convened by the National Cheng Chi University)

- **December 9 -10 2010, Brussels**
  RISE STAKEHOLDER CONFERENCE AND JOINT CONFERENCE WITH THE HIDE PROJECT (convened by the European Biometric Forum)

- **May 5 -6 2011, Washington DC**
  HIGH LEVEL MEETING ON TRANSATLANTIC POLICY ISSUES (convened by the Centre for Policy on Emerging Technologies)

- **October 20-21 2011, Beijing**
  ASIAN WORKSHOP ON GLOBAL GOVERNANCE OF BIOMETRIC TECHNOLOGY (convened by the Peking Union Medical College, the Chinese Academy of Medical Sciences, and the National Cheng Chi University)

- **December 1-2 2011, Brussels**
  RISE FINAL CONFERENCE ON RESPONSIBLE RESEARCH AND INNOVATION IN BIOMETRICS (convened by the Centre for Science, Society and Citizenship)

RISE

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

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

RISE (www.riseproject.eu) 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.

At its completion, RISE launches a **Special Interest Group (SIG) on Ethical, Societal and Privacy Aspects of Biometrics** within the **European Association of Biometrics** (EAB). This initiative aims to provide an international open forum to discuss ethical, privacy and social issues raised by biometrics and security technologies. The SIG Ethical, Societal and Privacy Aspects of Biometrics will complement efforts devoted to biometric policy setting in bilateral and multilateral forums sponsored at governmental level.
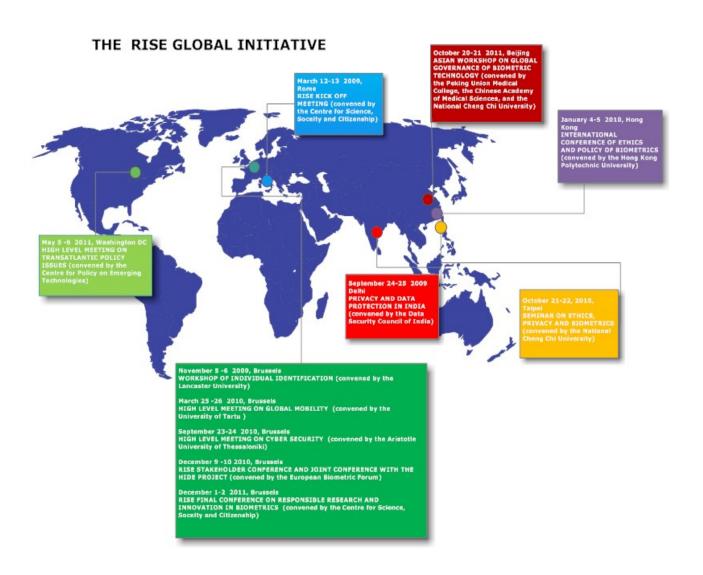
RISE Management Board: *Emilio Mordini (chair), Valeria Balestrieri, Silvia Venier, Niovi Pavlidou, David Zhang, Ajay Kumar, Nigel Cameron, Ruth Chadwick, Kush Wadhwa, Paul McCarthy, Kamlesh Bajaj, Vinajak Godse, Margit Sutrop, Chi Shing Cheng*

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)
Global Security Intelligence Llc (United States)
Lancaster University (United Kingdom)
National Cheng Chi University (Taiwan)
The Hong Kong Polytechnic University (People's Republic of China)
University of Tartu (Estonia)

Corresponding Partners
Center for Advanced Design, Research, and Exploration (United States), Chinese Academy of Medical Sciences(People's Republic of China),   Fraunhofer Institute for Computer Graphics Research IGD (Germany), International Biometrics Group (United States), Morpho (France), The Hasting Center (Unite States), University of Ljubljana (Slovenia), Zuyd University (The Netherlands), Institut français d'analyse stratégique (France)

THE RISE GLOBAL INITIATIVE

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Project Coordinator: EMILIO MORDINI
Project Officer: RENE VON SCHOMBERG
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Panelists

1. **Joseph Atick**, L-1 Identity Solutions, International Biometrics & Identification Association (IBIA), United States
2. **Kamlesh Bajaj** Data Security Council of India, India
3. **Marie-Ange Balbinot** DG Home Affairs, European Commission
4. **Valeria Balestrieri** Centre for Science, Society and Citizenship, Italy
5. **Ian Berle**, St. Mary's University College, United Kingdom
6. **Werner Blessing** BIOMETRY, Switzerland
7. **Jacques Bus** Centre for Security, Reliability and Trust, University of Luxembourg, Luxembourg
8. **Nigel Cameron** Center for Policy on Emerging Technologies. (C PET), United States
9. **Johann Cas**, Institute of Technology Assessment, Austrian Academy of Science, Austria
10. **Clyde Wayne Crews Jr**, Competitive Enterprise Institute (CEI), United States
11. **Alessandro De Luca**, Green Bit S.p.a., Italy
12. **André Delaforge**, Natural security and Biometrics Initiative Alliance, France
13. **Farzin Deravi**, School of Engineering and Digital Arts at the University of Kent, United Kingdom
14. **Eva-Maria Engdahl** DG Enterprise - Security Research and Development, European Commission
15. **Alan Gelb** Center for Global Development, South Africa
16. **François Géré** Institut français d'analyse stratégique, France
17. **Stefanie Goymann** Fraunhofer Institute for Technological Trend Analysis, Germany
18. **Geert Herbots**, independent consultant, Belgium
19. **Edward Higgs**, Department of History, University of Essex, United Kingdom
20. **Peter Hustinx** European Data Protection Supervisor
21. **Alexander G. Ivanchenko** Russian Security Industry Association, Russia
22. **Katja Jacobsen**, Cesagen Lancaster University, United Kingdom
23. **Rahul Jain, Sr,** Data Security Council of India, India
24. **Matt James,** Center for Policy on Emerging Technologies. (C PET), United States
25. **Els Kindt** - K.U.Leuven – Interdisciplinary Centre for Law and ICT (ICRI), Belgium
26. **Ajay Kumar** Department of Computing, Polytechnic University of Hong Kong, People's Republic of China
27. **Young-Bin Kwon** Dept. of Computer Eng., Chung-Ang University, Korea
28. **Ting-Chi Liu** College of Law, National Chengchi University, Taiwan
29. **Juliet Lodge**, University of Leeds, United Kingdom
30. **Kristi Louk**, Centre for Ethics of the University of Tartu , Estonia
31. **Marco Manso** TEKEVER Communication Systems, Portugal
32. **Paul McCarthy**, Global Security Intelligence, United States
33. **Zaharya Menevidis** Fraunhofer Institute for Production Systems and Design Technology, Germany
34. **Emilio Mordini** Centre for Science, Society and Citizenship, Italy
35. **Alexander Nouak,** Fraunhofer Institute for Computer Graphics Research IGD, and European Association for Biometrics, Germany
36. **Aljosa Pasic**, Atos Research & Innovation, Spain
37. **Niovi Pavlidou**, Aristotle University, Greece
38. **Walter Peissl,** Institute for Technology Assessment , Austrian Academy of Sciences
39. **Elisa Pieri**, University of Manchester, United Kingdom
40. **Joerg Resch** KuppingerCole, Germany

41. **Kjetil Rommetveit** Centre for the Study of the Sciences and the Humanities, University of Bergen Norway
42. **Alexander Sander**, Assistant MEP Martin Ehrenhause, European Parliament
43. **Günter Schumacher** Institute for the Protection and Security of the Citizen, Joint Research Centre Italy
44. **Max Snijder,** European Association for Biometrics, The Netherlands
45. **Hinano Spreafico,** Minerva Consulting and Communication, Belgium
46. **Margit Sutrop** Centre for Ethics of the University of Tartu, Estonia
47. **Roberto Tavano**, Unisys, Global Security Sales for Technology, Consulting & Integration Services, Italy
48. **Elena Tavlak**i, Signosis Sprl, Greece
49. **Martin Tim,** Kuppinger Cole, Germany
50. **Silvia Venier,** Centre for Science, Society and Citizenship, Italy
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