

**10. Sunday, February 17, 2008, 1:45 PM to 4:45 PM**

*Biometrics in Border Management: Grand Challenges for Security, Identity, and Privacy*

**Session Title:** Biometrics in Border Management: Grand Challenges for Security, Identity, and Privacy

**Session Type:** 180-Minute Symposium

**Session ID:**

**Session Time:** 2/17/2008 1:45:00 PM

**Location:** Hynes Convention Center, Third Level

**Room:** Room 312

**Synopsis:** Enhanced border control is an urgent priority of most governments. Whereas current biometric technologies can help, what are the grand challenges in border security? Which technological breakthroughs are still needed? This symposium addresses the application of biometrics in border management from different perspectives: political, technological, and ethical. Efficient border management aims to deploy technological means for reliable monitoring and control of movements across transnational borders while causing minimum disruption to the flow. How can technologies help in properly identifying and surveying people while respecting their rights to privacy? How does a biometric passport render the authentication of a person's identity more trustworthy? Is identity fraud a thing of the past or a menace for the future? Would a trusted traveler card make cross-border travel easier, or will our personal data be more at risk? Which scientific breakthroughs are needed in biometrics? Is proliferation of biometric data the next big challenge for the governments? With more widespread use of biometric data for identity, who is monitoring the storage, use, and release of this data to third parties around the globe? Standardization of fast-evolving biometric technologies is an issue that calls for fine judgment -- too soon and innovation is stifled; too late risks interoperability.

**Organized by:**

Aidan Gilligan, European Commission, Joint Research Centre, Brussels, Belgium

**Presentations:**

Moderator--**Alois Sieber**, Joint Research Centre, Institute for the Protection and Security of the Citizen, Ispra, Italy

Grand Challenges in Border Security in the 21st Century--**Erik Berglund**, FRONTEX, Warsaw, Poland

Border Control Technologies: From an Eye in the Sky to a Great Invisible Wall--**Peter Hanel**, Motorola Research Europe, Vienna, Austria

Biometric Passports at European Borders Control-- **Pravir K. Chawdhry**, Joint Research Centre, Institute for the Protection and Security of the Citizen, Varese, Milan, Italy

Trusted Traveler: Trustworthy Electronic Identity Across International Borders--**Jean-Marie Willigens**, Deutsche Lufthansa, Cologne, Germany

Biometric Identity: The Next Challenge for Nonproliferation?--**Ian "Gus" Hosein**, London School of Economics, London, United Kingdom

The Fine Line of Standardization: Too Little Too Late or Too Much Too Soon?--**Patrick Grother**, National Institute of Standards and Technology, Gaithersburg, MD

Discussant--**Jan Loeschner**, Joint Research Centre, Institute for the Protection and Security of the Citizen, Ispra, Italy

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