

S&T Stakeholders Conference

May 21-24, 2007

Human Factors Division Overview

Sharla Rausch
Human Factors Division Head
Science and Technology Directorate

From Science and Technology... Security and Trust



Homeland Security



Human Factors Division (HFD)

Mission Statement

To apply the social and behavioral sciences to improve detection, analysis, and understanding of the threats posed by individuals, groups, and radical movements; to support the preparedness, response, and recovery of communities impacted by catastrophic events; and to advance national security by integrating human factors into homeland security technologies.

Know our enemies, understand ourselves; put the human in the equation.

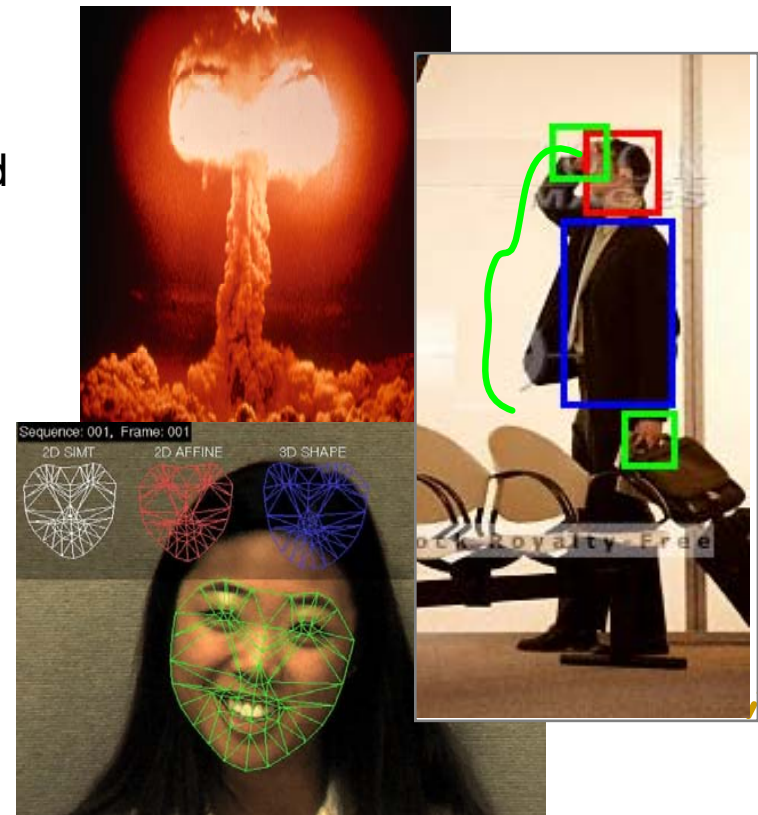


**Homeland
Security**

HFD Thrust Areas

The DHS S&T Human Factors Division is comprised of two primary thrust areas, with programs under each:

- **Social-Behavioral Threat Analysis**
 - Motivation and Intent
 - Suspicious Behavior Detection
 - Community Preparedness, Response, and Recovery
- **Human-System Research & Engineering**
 - Personal Identification Systems
 - Technology Acceptance and Integration
 - Technology-Human Integration



HFD Goals

1. Enhance the capability to control movement of individuals into and out of the United States and its critical assets through accurate, timely, and easy-to-use biometric identification and credentialing validation tools.
2. Enhance safety, effectiveness, and usability of technology by systematically incorporating user and public input.
3. Enhance the analytical capability of the Department to understand terrorist motivation, intent and behavior.
4. Improve screening by providing a science-based capability to identify deceptive and suspicious behavior.
5. Mitigate impacts of catastrophic events by delivering capabilities that incorporate social, psychological and economic aspects of community preparedness, response and recovery.

Human Factors Breakouts

- Tuesday
 - Human-Systems Research and Engineering (3pm)
 - Social-Behavioral Threat Analysis (4pm)
- Thursday
 - FAST M2 (12:30pm)
 - Biometric Detector (1:30pm)
 - Document Validator (2:30pm)
 - People Screening IPT (3:30pm)





Homeland
Security