Human Factors S&T Focus Areas

- Analysis
- Observation
- Interaction
- Personal Identification Systems

Community Preparedness & Resilience

Human Systems Research & Engineering
Human Factors S&T Focus Areas

- Analysis
- Observation
- Interaction
- Personal Identification Systems
- Community Preparedness & Resilience

Human Systems Research & Engineering
Analysis
Enhance the analytical capability of the Department to understand terrorist motivation, intent, and behavior.

- Violent Intent Modeling and Simulation
- Risk Prediction
- Tested IED Countermeasures
- Actionable Indicators of Radicalization

Key Organizations:
- Analysis
- IARPA
- OI&A
- JIEDDO
- JIPOE
- START
- DMSO
- DoD
- DOE Labs
- NCTC
- DOE
- Labs
- Homeland Security
- Australia
- Canada
- Sweden
- United Kingdom
Human Factors S&I Focus Areas

- Analysis
- Observation
- Interaction
- Personal Identification Systems
- Community Preparedness & Resilience

Human Systems Research & Engineering
Observation
Observation
Improve screening by providing a science-based capability to identify unknown threats indicated by deceptive and suspicious behavior.
Interaction
Improve screening by providing a science-based capability to identify unknown threats indicated by deceptive and suspicious behavior.
Human Factors S&T Focus Areas

- Analysis
- Observation
- Interaction
- Personal Identification Systems
- Community Preparedness & Resilience

Human Systems Research & Engineering
Personal Identification Systems
Personal Identification Systems
Improve screening by providing a science-based capability to identify known threats through accurate, timely, and easy-to-use biometric identification and credentialing validation tools.
Human Factors S&T Focus Areas

- Analysis
- Observation
- Interaction
- Personal Identification Systems
- Community Preparedness & Resilience

Human Systems Research & Engineering
Enhance preparedness and mitigate impacts of catastrophic events by delivering capabilities that incorporate social, psychological and economic aspects of community resilience.
Enhance safety, effectiveness, and usability of technology by systematically incorporating user and public input.

Human System Engineering

Human Reliability Modeling

Readiness Optimization "Brain Music"

Enhanced Screener-Technology Interface

Community Perceptions of Technologies Panel

First Responders

DOD

TSL

PNNL

TSO Screeners

FAMS

HSI

HFES/HFE TAG/HSIS

Human Systems Research & Engineering

FAMS

DOD

TSL

PNNL

TSO Screeners

First Responders

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Human Systems Research & Engineering
The Human Element