

Overview of the Human Factors Division in DHS S&T

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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.



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Overview of the Group Violent Intent Modeling (GVIM) Project in DHS S&T

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Group Violent Intent Modeling (GVIM)

Project Description

- Intelligence analysis framework that includes information extraction of signatures of terrorist intentions, systematic estimation of future terrorist behavior based on social and behavioral sciences, and modeling and simulations of influences on future terrorist behavior

Overview

- Build models of ideological, organizational, and contextual factors associated with likelihood of groups engaging in violence
- Standalone information technology based system
- Systematic organization of social and behavioral science theories, research methods and data allowing mapping of intelligence questions to scientific information
 - Information Extraction and Content Analysis tools
 - Flexible Repository
 - Different Mathematical Modeling Techniques
 - Visualization Tools
 - Information Management



Payoff

- Tools for estimates of a group's intention to adopt violence as a tactic
- Increase ability to rapidly assemble and test competing scenarios
- Map relevant social and behavioral science theory



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