

# VACCINE

Visual Analytics for Command, Control, and Interoperability Environments  
A U.S. Department of Homeland Security Center of Excellence



## CORPORATE VISIONARY PARTNER PROGRAM

The VACCINE Corporate Affiliate Program offers companies a unique opportunity to collaborate with VACCINE faculty, students, and researchers working at the forefront of visualization and analytics research. Members of the Program are given unparalleled access to new technologies as they move from the laboratory to the marketplace.

At VACCINE, we view research as a practical matter – placing additional emphasis on designing and building technologies and solutions that have real-world impact – saving lives. In many cases, this requires establishing partnerships with industry to translate new ideas and discoveries to products and services already in the marketplace.

### FOUNDATIONAL RESEARCH AREAS

#### Interactive Visual Analytic Foundations

- Context-aware Mobile Visual Analytics for Emergency Response
- Mobile Imaging, Rosetta Phone and Light-weight Visual Analytics for In-field Analytics

#### Visually-Adapted Analytical Techniques

- Cybersecurity Visual Analytics
- Visual Analytics for Investigative Analysis on Text Documents
- Multimedia Visual Analytics for Investigative Analysis
- Situation Surveillance and In-field Criminal Investigative Analytics
- Financial Visual Analytics
- Study of Terrorism and Responses to Terrorism (START Center) Visual Analytics
- Foreign Animal and Zoonotic Disease Visual Analytics
- GeoJunction: Collaborative Visual-computational Information Foraging and Contextualization to Support Situation Awareness
- Video Surveillance Visual Analytics
- Visual Analytics for the DHS Centers of Excellence

#### Investigative Analysis and Decision Making Environments

- Integrate Automated Analytical Reasoning into JIGSAW – a visual index of document collection
- Introduce Sustainable Visual Analytics into Command Center Environments

### BENEFITS OF THE VISIONARY PARTNER PROGRAM

**Visionary Partners** - Contribute \$50,000 per year as an unrestricted gift. Gift funds may be designated for general support of the VACCINE Center and to assist with all areas of discovery, learning and engagement, or for work on a specific research initiative.

- Gain early awareness to the latest visualization research. Through meetings and visits, companies get a preview of the latest research findings from across the VACCINE consortium. Companies that can access this information before it's published have a front-row seat to early licensing opportunities.
- Recruit VACCINE students. Our students are our most valuable assets. They add substantial value to any company as interns or employees.
- Provides a neutral convening point for exploring technology futures. VACCINE is the ideal place to bring like-minded people together in a vendor-neutral setting to explore key challenges and technological matters. VACCINE brings to the table the most highly qualified thought leaders from both academia and industry.
- Opportunity to spend a short sabbatical at a VACCINE partner university collaborating on projects of interest while gaining deep insight into the latest visual analytics research and techniques.
- There will be a global goodwill benefit to your business in its association with the 18 VACCINE partner universities.

### OTHER CORPORATE AFFILIATE OPPORTUNITIES

**Project Partners** – VACCINE is very interested in developing research projects under confidential contractual arrangements. These projects typically specify contractually obligated deliverables, address intellectual property issues, and may involve exchange of personnel between sites, as well as regularly scheduled conference calls and updates in addition to written progress reports. Typical projects begin at \$20,000 and range upward.