

## **Stottler Henke Associates**

- Lead Investigator: Dan Fu
  - Ph.D., Computer Science, University of Chicago
  - B.S., Computer Science, Cornell University
  - Doctoral research in computer vision robot, Shopper
- Al Software Engineer: David Breeden
  - M.S., Computer Science, Stanford University
  - B.S., Computer Science, Stanford University
  - Developed tool for automatically tracking subjects, enabling search by subject location
  - Object detection research in Stanford Artificial Intelligence Lab



#### Research areas of interest

- Artificial Intelligence
- Computer Vision
  - Detection
  - Tracking
- Natural Language Processing
  - Speech recognition & analysis
- Symbolic Reasoning
  - Application of domain knowledge



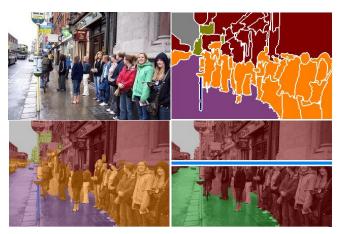
# **Capabilities of Stottler Henke Personnel**

- Video Indexing by Target Location and velocity (VITAL)
  - Motion detection
  - Tracking with particle and Kalman filters
  - Stereo fusion
- Event summarization from audio
  - Speech analysis
- Semantic search (Aware)
  - Users build up task vocabularies and define semantic concepts ad hoc



## **Sought Capabilities**

- Holistic scene understanding
- General purpose programming for GPUs
- Text detection, segmentation and recognition



Source: http://dags.stanford.edu/projects/scene.html





# **Contact Information**

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