Visual Analytics

Learning object models, feature extraction and recognition from high resolution remotely sensed images, tracking and virtual reality, biomedical informatics, medical image analysis and robotic vision.

Competitive advantage

- Methods range from classical computer vision and machine learning to deep learning.
- Use-inspired research and development, resulting in strong industry partnerships

Impact

- Better analysis of images for a range of applications

Successful applications

- Framework for image analysis of ocular images, Brien Holden Vision Institute
- Diffuse lung disease feature recognition and quantification, i-Med Networks
- Automatic map updating module for ARC/INFO in Geographic Information Databases, Australian Surveying and Land Information Group
- Recognition of allergy dust mites in environment from visual images
- Data analytics for genocide forecasting
- Visual analytics for preserving privacy in a camera-rich world

Capabilities and facilities

- GPU servers for deep learning experiments

More Information

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