

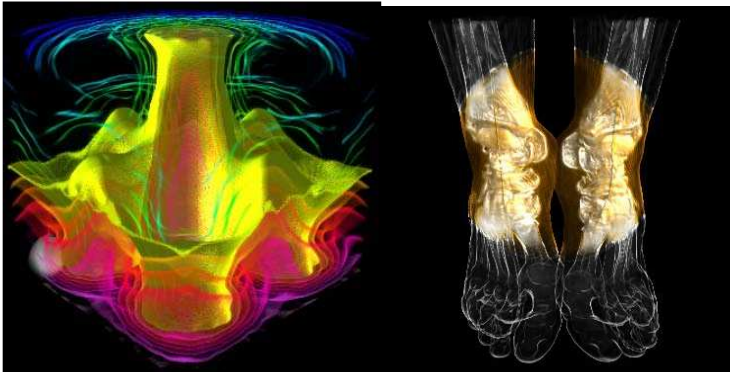
RA Positions Available for Fall 2007

<http://www.PURPL.net>

Scientific Visualization

Applications:

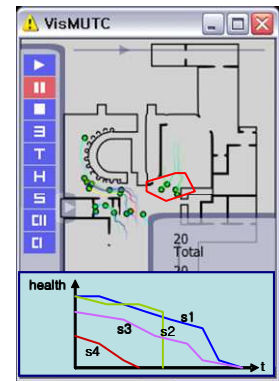
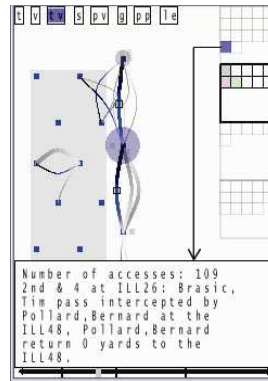
- Medical Data Visualization
- Flow Data Visualization & Analysis
- Weather Visualization
- Scientific simulation visualization (Chemistry, Physics, Medicine, etc.)



Visual Analytics

Applications:

- Information Retrieval & Analysis
- Visual Analytics
- Data Mining
- Text Visualization
- Web Applications
- Emergency Response



Current PURPL Projects:

- Mobile graphics and visualization
- Task adaptable information display
- Flow illustration
- Nanoelectronic visual analytics
- Interactive rendering
- Medical volume illustration
- Visual analytics of health care and mobile visualization for emergency response
- Photorealistic weather visualization
- Non-photorealistic rendering
- Real-time cloud rendering and animation
- Combining mobile image analysis and visualization

Purdue University Regional Visualization and Analytics Center (PURVAC)

Founded in 2006 to address visual analytics issues in:

- Homeland Security
- Emergency Planning and Response
- Healthcare Management and Monitoring

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