MDRP: Multimedia Analytics for Investigative Analysis

- **Personnel:** Ribarsky, Yang, Fan, Delp, Boutin
- **External Partners:** NVAC, DHS CCI, START, Foreign Broadcast Information Service, ICE, NSA, FinCEN, Bank of America
- **Goal** - Develop a multimedia visual analytics system for online & broadcast multimedia, fusing knowledge from highly heterogeneous sources
- **Approach:**
  - Unstructured multimedia analytics
  - Broadcast & online news multimedia analysis
  - Intelligent video and image analysis
  - Human Cognition Modeling
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Outcomes:

- Extension to analysis of blogs, RSS feeds
- Discriminate among online news and blogs with distinctly different viewpoints
- Application of predictive Human Cognition Model to interactive exploration of multimedia
- Development of automated natural language processing, voice recognition, and viewpoint/opinion analytic techniques to be integrated with above model
- Identification of trends in ideology and extremism associated with discourse on public media
- Connections among groups and individuals and their behaviors from public sources.