Raytheon BBN Technologies

Expertise

Semantic analysis of web video

- Video event detection and recounting
- Automatic video content annotation (~6K tags)
- Zero-Shot event search
- Cloud and single computer versions of the system
- Prime for IARPA Aladdin

Text, speech, audio, and language multimedia processing

- Websites, broadcast media (e.g., TV and radio), social media (e.g., Twitter), etc.
- System building and deployment
 - BBN Multimedia Monitoring System (TRL 9)
 - o BBN VISER
- Government funded research
 - o IARPA BABEL (prime)
 - o DARPA BOLT (prime)
 - o DARPA DEFT (prime)

yiser2.bbn.com ← → C □ viser2.bbn.com Explore Find Video New Event Query New Content Tag Query Welcome demo [Log Off] **BBN Technologies Collections and Queries** Search Filters **Content Tag Categories** Find videos within Entire Corpus with... Collections any of these words: Pre-defined Training Sets = Snarch + Clear # Savo Content Tag Training Collection Show advanced search Event Training Collection Test Sets Results: 0 Test Collection 1 Test Collection 2 Content Tag Queries **Content Tag List** Event Queries Custom foring a stove hockey game • phome renovation Containing: 1000 concepts playing guitar ultimate frisbee Pre-defined ► ■ Attempting a bike trick Oprotecter • a Birthday party Changing a vehicle tire Cleaning an appliance Dog show If ash mob gathering • Getting a vehicle unstuck Giving directions to a location @people • Grooming an animal **Content Tag Graph** Making a sandwich

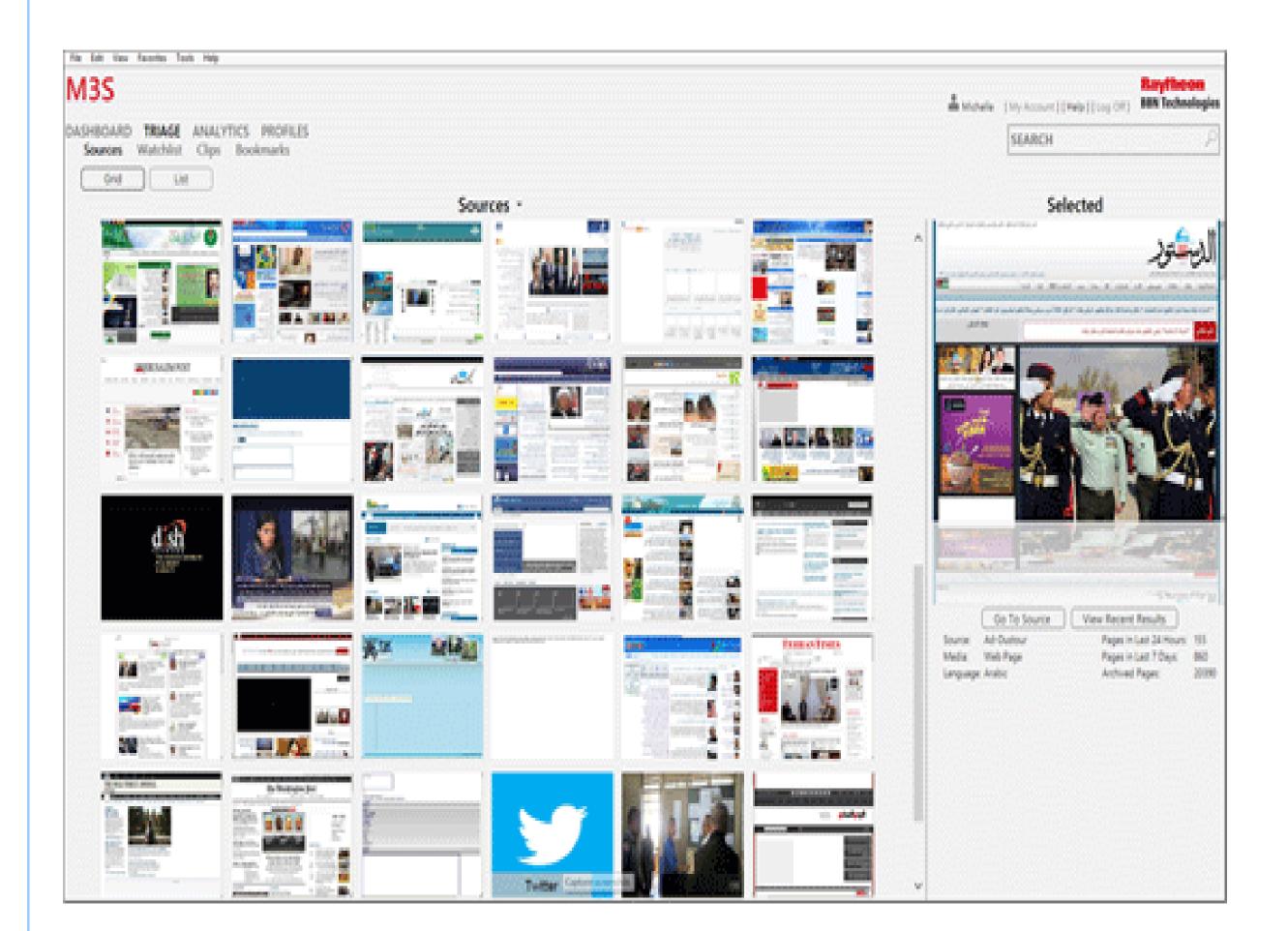
BBN VISER

Looking for teammates with

- Probabilistic reasoning for activity detection under uncertainty
- 3D scene reconstruction from multiple cameras
- Person identification and tracking across multiple cameras
- Video Segmentation and Stabilization
- Multiple-view infrared image processing

Research Interests

- Image processing and video analysis
- Natural language processing
- Automatic speech recognition
- Machine translation
- Information extraction



BBN Multimedia Monitoring System