- Basis Technology Corporation
- Lead Investigator
  - Kfir Bar, PhD. Chief Scientist, Basis Tech
- Current Team Members
  - Ed Kenschaft, Computational Linguist, Basis Tech
  - Peter Harding, Engineer, Basis Tech

Research areas of interest

- Semantic alignment of monolingual text vectors for a unified cross-lingual semantic vector space

- Information Extraction: Entity extraction in multiple languages with disambiguating to a monolingual knowledgebase

- Information Retrieval: Entity search based on cross-lingual semantic vector space

Unique qualifications and capabilities

- Basis Technology previous IARPA participation
  - EMBERS (Early Model Based Event Recognition using Surrogates)
  - Successful transition to an Intelligence Community Agency

- Developed REST-based crosslingual vector space capability for word and concept retrieval

- Dedicated data group for multilingual collection and crowd sourced annotation

- Human feedback capability to improve accuracy, extend domain, and align vector space models

- Algorithmic approaches to derive more complex concepts and events from lexical concepts

- Retrieval mechanism, visualization, algorithms for use in a cross-lingual vector space system

- Investigation of how to personalize results by user profile, context, etc

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- Title - Intelligence Programs

- Organization - Basis Technology Corporation

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