



LanguageNet

- Signal Learning: Acoustic Landmarks
 - Mark Hasegawa-Johnson
 - Thomas Huang
- Semi-Supervised Learning of Latent Representations
 - Jeff Bilmes
 - Dan Roth
- Cross-Language Transfer Learning
 - Katrin Kirchhoff
 - Roxana Girju
- Linguistics: Semantics, Syntax
 - Elabbas Benmamoun
 - Julia Hockenmaier



LanguageNet: Goals

- Graph-based X-language transfer learning
- Subsumes parameter regularization and data sharing
- Acoustic models, morphological models, pronunciation models, language models



LanguageNet

- Machine learning expertise
 - graph-based learning
 - semi-supervised discriminative learning
- Transfer learning expertise
 - Semantic tagging as seeds
 - Machine translation as seeds
- Linguistic expertise
 - Feature diffusion: Arabic dialects
 - Feature diffusion: Romance dialects



LanguageNet

- Seeking: Partners w/ expertise in large-scale LVCSR infrastructure
- Objective: transfer of research prototypes into infrastructure via on-site and remote collaboration



Contact Information

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