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Jeff Bilmes,
Roxana Girju,
Julia Hockenmaier,
Tom Huang,
Katrin Kirchhoff,
Dan Roth

Capabilities

- Landmarks: Semi-supervised discriminative learning of language-independent acoustic events

- Latent representations: Unsupervised learning

- Cross-language transfer learning: Seeded by semantic tagging or machine translation

- Fast localization and instance normalization using GMM supervectors

- Semitic and African languages: Maghrebi Arabic, Berber, Amharic

SEEKING

Partners with large-scale LVCSR infrastructure

Research Interests

Graph based cross-language transfer learning: Acoustics, N-grams, morphology, and semantics

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