

Antti-Veikko Ilmari ROSTI

LIST OF PUBLICATIONS

August 3, 2009

THESES

- A.-V.I. Rosti. [Linear Gaussian Models for Speech Recognition](#). PhD thesis, University of Cambridge, 2004.
- A.-V. Rosti. [Statistical methods in modulation classification](#). Master's thesis, Tampere University of Technology, 1999.

REFEREED JOURNAL ARTICLE

- A.-V.I. Rosti and M.J.F. Gales. [Factor analysed hidden Markov models for speech recognition](#). *Computer Speech and Language*, 18(2):181–200, 2004.

CONFERENCE PAPERS

- S. Matsoukas, A.-V.I. Rosti, and B. Zhang. [Discriminative Corpus Weight Estimation for Machine Translation](#). In *Proc. EMNLP*, pages 708–717, 2009.
- A.-V.I. Rosti, B. Zhang, S. Matsoukas, and R. Schwartz. [Incremental Hypothesis Alignment with Flexible Matching for Building Confusion Networks: BBN System Description for WMT09 System Combination Task](#). In *Proc. EACL/WMT*, pages 61–65, 2009.
- A.-V.I. Rosti, B. Zhang, S. Matsoukas, and R. Schwartz. [Incremental Hypothesis Alignment for Building Confusion Networks with Application to Machine Translation System Combination](#). In *Proc. ACL/WMT*, pages 183–186, 2008.
- A.-V.I. Rosti, S. Matsoukas, and R. Schwartz. [Improved Word-Level System Combination for Machine Translation](#). In *Proc. ACL*, pages 312–319, 2007a.
- A.-V.I. Rosti, N.F. Ayan, B. Xiang, S. Matsoukas, R. Schwartz, and B.J. Dorr. [Combining Outputs from Multiple Machine Translation Systems](#). In *Proc. NAACL-HLT*, pages 228–235, 2007b. **Best paper award**.
- Y. Gao, B. Zhou, L. Gu, R. Sarikaya, H.-K. Kuo, A.-V.I. Rosti, M.A. Afify, and W. Zhu. [IBM Mastor: Multilingual Automatic Speech-to-Speech Translator](#). In *Proc. ICASSP*, volume 5, pages 1205–1208, 2006.
- A.-V.I. Rosti and M.J.F. Gales. [Rao-Blackwellised Gibbs sampling for switching linear dynamical systems](#). In *Proc. ICASSP*, volume 1, pages 809–812, 2004.
-

A.-V.I. Rosti and M.J.F. Gales. [Factor analysed hidden Markov models](#). In *Proc. ICASSP*, volume 1, pages 949–952, 2002.

A.-V. Rosti and V. Koivunen. [Classification of MFSK modulated signals using the mean of complex envelope](#). In *Proc. EUSIPCO*, volume 1, pages 581–584, 2000.

TECHNICAL REPORTS

A.-V.I. Rosti and M.J.F. Gales. [Switching linear dynamical systems for speech recognition](#). Technical Report CUED/F-INFENG/TR.461, Cambridge University Engineering Department, 2003a.

A.-V.I. Rosti and M.J.F. Gales. [Factor analysed hidden Markov models for speech recognition](#). Technical Report CUED/F-INFENG/TR.453, Cambridge University Engineering Department, 2003b.

A.-V.I. Rosti and M.J.F. Gales. [Generalised linear Gaussian models](#). Technical Report CUED/F-INFENG/TR.420, Cambridge University Engineering Department, 2001.