

- KIVINEN, J. J., SUDDERTH, E. B. and JORDAN, M. I. (2007). Learning multiscale representations of natural scenes using Dirichlet processes. In *Proc. International Conference on Computer Vision*, Rio de Janeiro, Brazil 1–8.
- KURIHARA, K., WELLING, M. and TEH, Y. W. (2007). Collapsed variational Dirichlet process mixture models. In *Proc. International Joint Conferences on Artificial Intelligence*, Hyderabad, India.
- MEIGNIER, S., BONASTRE, J.-F., FREDOUILLE, C. and MERLIN, T. (2000). Evolutive HMM for multi-speaker tracking system. In *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Istanbul, Turkey, June 2000.
- MEIGNIER, S., BONASTRE, J.-F. and IGOUNET, S. (2001). E-HMM approach for learning and adapting sound models for speaker indexing. In *Proc. Odyssey Speaker Language Recognition Workshop*, June 2001.
- MUNKRES, J. (1957). Algorithms for the assignment and transportation problems. *J. Soc. Industr. Appl. Math.* **5** 32–38. [MR0093429](#)
- NIST. Rich transcriptions database. Available at <http://www.nist.gov/speech/tests/rt/>, 2007.
- PAPASPILIOPOULOS, O. and ROBERTS, G. O. (2008). Retrospective Markov chain Monte Carlo methods for Dirichlet process hierarchical models. *Biometrika* **95** 169–186. [MR2409721](#)
- RABINER, L. R. (1989). A tutorial on hidden Markov models and selected applications in speech recognition. *Proc. IEEE* **77** 257–286.
- REYNOLDS, D. A. and TORRES-CARRASQUILLO, P. A. (2004). The MIT Lincoln Laboratory RT-04F diarization systems: Applications to broadcast news and telephone conversations. In *Proc. Fall 2004 Rich Transcription Workshop (RT-04)*, November 2004.
- ROBERT, C. P. (2007). *The Bayesian Choice*. Springer, New York.
- RODRIGUEZ, A., DUNSON, D. B. and GELFAND, A. E. (2008). The nested Dirichlet process. *J. Amer. Statist. Assoc.* **103** 1131–1154.
- SCOTT, S. L. (2002). Bayesian methods for hidden Markov models: Recursive computing in the 21st century. *J. Amer. Statist. Assoc.* **97** 337–351. [MR1963393](#)
- SETHURAMAN, J. (1994). A constructive definition of Dirichlet priors. *Statist. Sinica* **4** 639–650. [MR1309433](#)
- SIEGLER, M., JAIN, U., RAJ, B. and STERN, R. M. (1997). Automatic segmentation, classification and clustering of broadcast news audio. In *Proc. DARPA Speech Recognition Workshop* 97–99. Morgan Kaufmann, San Francisco, CA.
- TEH, Y. W., JORDAN, M. I., BEAL, M. J. and BLEI, D. M. (2006). Hierarchical Dirichlet processes. *J. Amer. Statist. Assoc.* **101** 1566–1581. [MR2279480](#)
- TRANTER, S. E. and REYNOLDS, D. A. (2006). An overview of automatic speaker diarization systems. *IEEE Trans. Audio, Speech Language Process.* **14** 1557–1565.
- VAN GAEL, J., SAATCI, Y., TEH, Y. W. and GHARAMANI, Z. (2008). Beam sampling for the infinite hidden Markov model. In *Proc. International Conference on Machine Learning*, Helsinki, Finland, July 2008.
- WALKER, S. G. (2007). Sampling the Dirichlet mixture model with slices. *Commun. Statist. Simul. Comput.* **36** 45–54. [MR2370888](#)
- WOOTERS, C. and HUIJBREGTS, M. (2007). The ICSI RT07s speaker diarization system. *Lecture Notes in Computer Science* **4625** 509–519.
- WOOTERS, C., FUNG, J., PESKIN, B. and ANGUERA, X. (2004). Towards robust speaker segmentation: The ICSI-SRI Fall 2004 diarization system. In *Proc. Fall 2004 Rich Transcription Workshop (RT-04)*, November 2004.