

Chaitanya (Chaitu) Ekanadham

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Work and research experience

- Intern, Google (Summer 2011)
 - Audio-based sentiment analysis
- Research/teaching assistant, Math Dept., New York University (2007- present)
 - Led recitations in undergraduate calculus, probability, and statistics.
- Research assistant, Laboratory for Intelligent Systems, EPFL (Summer 2006)
- Research assistant, Computer Science Dept., Stanford University (Summer 2005)
- Intern, Speech group, IBM Research (Summers 2004, 2003, 2002)
 - Voice application design (2004, 2003), natural language parsing (2002)

Education

- Ph.D. candidate in mathematics, Courant Institute, New York University (2007- present)
 - Advisors: E.P. Simoncelli, D. Tranchina
- B.S. in Math/Computational Science and Symbolic Systems, Stanford University (2003-2007)

Fellowships and awards

- MacCracken fellowship (2009-2012)
- NSF RTG fellowship (2007-2009)
- Bacc. honors, Stanford University (2007)
- Stage fellowship, EPFL (2006)

Computer skills programming in C, C++, MATLAB; user-level knowledge of Linux, Windows.

Research publications

- Ekanadham, C., Tranchina, D. and E.P. Simoncelli. *A novel blind deconvolution method for neural spike identification*. To appear in NIPS 2011.
- Ekanadham, C., Tranchina, D. and E.P. Simoncelli. *Recovery of sparse translation-invariant signals with continuous basis pursuit*. To appear in IEEE Transactions on Signal Processing, November 2011.
- Ekanadham, C., Tranchina, D. and E.P. Simoncelli. *Recovery of sparse transformation-invariant signals with continuous basis pursuit*. ICASSP 2011.
- Ekanadham, C, Tranchina, D. and E.P. Simoncelli. *Neural spike identification with continuous basis pursuit*. COSYNE 2011.
- Ekanadham, C., Shlens, J., L. Jepson, A.M. Litke, D. Tranchina, L. Paninski, E.J. Chichilnisky, and E.P. Simoncelli. *Capturing slow adaptation with a generalized linear model*. AREADNE 2010.
- Lee, H.L., Ekanadham, C., and A. Ng. *Sparse deep belief net model for visual area V2*. NIPS 2007.
- Huerta, J., Ekanadham, C., and Lubensky, D. *Automatic Network-Optimization for Voice Applications*. ICSLP 2004.
- Huerta, J., Ekanadham, C., and Lubensky, D. *A Topic-specific Parsing Design in an Air Travel NLU Application*. Eurospeech 2003.

Patents

- Huerta, J, Lubensky, D, and Ekanadham, C. *Systems and methods for generating applications that are automatically optimized for network performance*. U.S. Patent No. 7437707. Oct. 2008.

References provided upon request