

Chinmay Hegde

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Education

2012 Ph.D., Electrical and Computer Engineering, Rice University
2010 M.S., Electrical and Computer Engineering, Rice University
2006 B.Tech., Electrical Engineering, Indian Institute of Technology Madras

Experience

2012- Postdoctoral Associate, CSAIL, MIT, Cambridge MA
2012- Contractor, Shell Westhollow Technology Center, Houston TX
2011 Summer Intern, Mitsubishi Electric Research Labs, Cambridge MA
2005 Summer Intern, Ittiam Systems Pvt. Ltd., Bangalore, India

Selected Honors

2013 Ralph Budd Award for Best Thesis in the School of Engineering, Rice University
2010 Robert L. Patten Award for university service, Rice University
2009 Best Student Paper Award, SPARS, Saint Malo (France)

Selected Publications

C. Hegde, P. Indyk, and L. Schmidt, "Approximation-tolerant model-based compressive sensing," in *Proc. ACM Symp. Discrete Alg. (SODA)*, Jan. 2014.

S. Nagaraj, C. Hegde, A. Sankaranarayanan, and R. Baraniuk, "Optical flow-based transport for image manifolds," *Appl. Comput. Harmon. Anal.*, 2014. To appear.

C. Hegde, A. Sankaranarayanan, W. Yin, and R. Baraniuk, "NuMax: A convex approach for learning near-isometric linear embeddings." Preprint, Nov. 2012.

C. Hegde and R. Baraniuk, "Signal recovery on incoherent manifolds," *IEEE Trans. Inform. Theory*, vol. 58, pp. 7204–7214, Dec. 2012.

C. Hegde and R. Baraniuk, "Sampling and recovery of pulse streams," *IEEE Trans. Sig. Proc.*, vol. 59, pp. 1505–1517, Apr. 2011.

R. Baraniuk, V. Cevher, M. Duarte, and C. Hegde, "Model-based compressive sensing," *IEEE Trans. Inform. Theory*, vol. 56, pp. 1982–2001, Apr. 2010.

C. Hegde, M. Wakin, and R. Baraniuk, "Random projections for manifold learning," in *Adv. Neural Inf. Proc. Sys.*, Dec. 2007.