EMPLOYMENT

University of California at Berkeley: Charles B. Morrey Assistant Professor, July 2007–June 2010

EDUCATION

Stanford University: Ph.D. in Computational and Mathematical Engineering, September 2001–June 2007

Cambridge University: 2000/01 Clare Hall Fellow, September 2000–August 2001

Cornell University: M.S. in Mathematics, August 1998–August 2000

National University of Singapore: B.Sc. (Honors) in Mathematics, July 1993–May 1996

SELECTED AWARDS AND HONORS

International Linear Algebra Society: LAA Plenary Lecturer, 2010

Stanford University: Gerald J. Lieberman Fellowship, 2006/2007

Cornell University: Clare Hall Fellowship, 2000/2001; Graduate School Scholarship, September 2000

Cambridge Commonwealth Trust: ODA Award, May 1997

SELECTED PUBLICATIONS

L.-H. Lim and P. Comon, "Nonnegative approximations of nonnegative tensors," *J. Chemometrics*, **23** (2009), no. 7–8, pp. 432–441.

M. Mørup, L.K. Hansen, S.M. Arnfred, L.-H. Lim, and K.H. Madsen, "Shift-invariant multilinear decomposition of neuroimaging data," *NeuroImage*, **42** (2008), no. 4, pp. 1439–1450.

P. Comon, G. Golub, L.-H. Lim, and B. Mourrain, "Symmetric tensor and symmetric tensor rank," *SIAM J. Matrix Anal. Appl.*, **30** (2008), no. 3, pp. 1254–1279.

V. de Silva and L.-H. Lim, "Tensor rank and the ill-posedness of the best low-rank approximation problem," *SIAM J. Matrix Anal. Appl.*, **30** (2008), no. 3, pp. 1084–1127.

L.-H. Lim, "Singular values and eigenvalues of tensors: a variational approach," *Proc. IEEE Int. Workshop on Computational Advances in Multi-Sensor Adaptive Process.* (CAMSAP '05), **1** (2005), pp. 129–132.

L.-H. Lim, J. Packer, and K. Taylor, "Direct integral decomposition of the wavelet representation," *Proc. Amer. Math. Soc.*, **129** (2001), no. 10, pp. 3057–3067.

L.-H. Lim, "Security of the Cao-Li public key cryptosystem," *Electron. Lett.*, **34** (1998), no. 2, pp. 170–172.

M. Mahoney, L.-H. Lim, and G. Carlsson, "Algorithmic and statistical challenges in modern large-scale data analysis are the focus of MMDS 2008," *KDD Explorations*, **10** (2008), no. 2, pp. 57–60.

P. Drineas, G. Golub, L.-H. Lim, and M. Mahoney "Bridging the gap between numerical linear algebra, theoretical computer science, and data applications," *SIAM News*, **39** (2006), no. 8, pp. 1 & 16.

SELECTED PROFESSIONAL ACTIVITIES

Workshop on Algorithms for Modern Massive Datasets. Organizer (with G. Carlsson, M. Mahoney), Stanford University and Yahoo! Research, Stanford, CA, June 25–28, 2008.

American Institute of Mathematics. Organizer (with J.M. Landsberg, J. Morton, J. Weyman), Workshop on *Geometry and Representation Theory of Tensors for Computer Science, Statistics, and Other Areas*, Palo Alto, CA, July 21–25, 2008.

International Congress on Industrial and Applied Mathematics. Organizer (with A. Dasgupta, G. Golub, M. Mahoney), minisymposium on *Novel Matrix Methods for Internet Data Mining*, and organizer (with P. Comon, L. De Lathauwer, G. Golub), minisymposium on *Numerical Multilinear Algebra: a new beginning*, Zürich, July 16–20, 2007.

U.S. Department of Energy. Member, Review Panel on *Mathematics for Analysis of Petascale Data*, June 23–25, 2009.

Society for Industrial and Applied Mathematics. President, Stanford Student Chapter, July 2004–June 2005.

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