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Professional Activities

- Co-chair, IEEE Computer Vision and Pattern Recognition (CVPR) 2009, Miami. Editorial Board, Intl. J. Computer Vision.
- Advisory Board, IEEE Trans. Pat. Anal. Mach. Intel. (PAMI)

Publications

- The MIT-Cornell Collision and Why it Happened, Journal of Field Robotics, vol. 25, no. 10, October 2008 (with L. Fletcher, S. Teller, E. Olson, D. Moore, Y. Kuwata, J. How, J. Leonard, I. Miller, M. Campbell, A. Nathan, F. Kline).
- Team Cornell's Skynet: Robust Perception and Planning in an Urban Environment, Journal of Field Robotics, vol. 25, no. 8, pp 493-527, August 2008 (with I. Miller, M. Campbell, A. Nathan, F. Kline, P. Moran, N. Zych, B. Schimpf, S. Lupashin, E. Garcia, J. Catlin and M. Kurdziel).
- Landmark Classification in Large-Scale Image Collections, Proceedings of the IEEE International Conference on Computer Vision, 2009 (with D. Crandall and Y. Li).
- Mapping the World's Photos, Proceedings of the World Wide Web Conference (WWW), 2009 (with D. Crandall, L. Backstrom and J. Kleinberg).
- Learning for Optical Flow using Stochastic Optimization, Proceedings of European Conference on Computer Vision (ECCV), 2008 (with Y. Li).
- Sparse Long-Range Random Field and its Application to Image Denoising, Proceedings of European Conference on Computer Vision (ECCV), 2008 (with Y. Li).
- Long Term Arm and Hand Tracking for Continuous Sign Language TV Broadcasts, Proceedings of British Machine Vision Conference (BMVC), 2008 (with P. Buehler, M. Everingham and A. Zisserman).
- Feedback Effects between Similarity and Social Influence in Online Communities, Proceedings of Fourteenth ACM Conference on Knowledge Discovery and Data Mining (KDD) 2008 (with D. Crandall, D. Cosley, J. Kleinberg and S. Suri).

Lectures

- Mapping the World's Photos
School of Computer and Communications Science, EPFL Lausanne, June 2009
Computer Science Dept., Ecole Normale Supérieure, Paris, June 2009
Computer Science Dept., ETH Zurich, May 2009
- Pictorial Structure Models and Sign Language Recognition
International Workshop on Computer Vision for Video, Barcelona, May 2009

- Social Influence and Similarity in Online Communities
Computer Science Dept, Harvard, October 2008
- The Web as a Source of Research Data
Conference Board NSF Workshop on Organizations and Innovation, July 2008
- Team Cornell and the DARPA Urban Challenge
Princeton, September 2008