Weining Wu

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Education

Harbin Institute of Technology (HIT) **Harbin, China**
Ph.D. in Artificial Intelligence and Information Processing *Mar. 2009 - Jun. 2013*
Harbin Engineering University (HEU) **Harbin, China**
M.Sc. in Computer Science *Sep. 2006 - Mar. 2009*
B.Sc. in Computer Science *Sep. 2002 - Jun. 2006*

Postdoctoral Training

Brigham and Women's Hospital, Harvard Medical School **Research Fellow**
May 2015 - present

Faculty Academic Appointments

Harbin Engineering University (HEU) **Lecturer**
School of Computer Science and Technology *Mar. 2014 - present*

Research Interests

- **Topics**: Visual Computing, Large-scale Data Mining and Retrieval, Crowd-sourcing, Diffusion MRIs
- **Methodologies**: Machine Learning, Active Learning, Sampling Strategy

Journal Papers

[1] **Weining Wu**, Shaobin Huang, Maozu Guo. Actively constructing an effective training set by expected gain maximization criterion, Neurocomputing 158(22): 62-72 (2015)
[2] **Weining Wu**. Active reducing classification error for CAD systems, Knowledge-Based Systems 82: 95-101 (2015)
[3] **Weining Wu**, Yang Liu, Maozu Guo, Chunyu Wang, Xiaoyan Liu. A probabilistic model of active learning with multiple noisy oracles, Neurocomputing 118(22): 253-262 (2013)
[4] **Weining Wu**, Yang Liu, Maozu Guo, Xiaoyan Liu. Advance of active learning algorithms based on sampling strategy, Journal of computer research and development 49(6): 1162-1173 (2012)

Conference Papers

[1] **Weining Wu**, Yang Liu, Wei Zeng, Maozu Guo, Chunyu Wang, Xiaoyan Liu. Effective constructing training sets for object detection. In: Proc. of 2013 IEEE International Conference on Image Processing. Sep.15-18, 2013, pp. 3377-3380
[2] **Weining Wu**, Yang Liu, Maozu Guo. Constructing training distribution by minimizing variance of risk criterion for visual category learning. In: Proc. of 2012 IEEE International Conference on Image Processing. Sep.30-Oct.3, 2012, pp. 101-104
[3] **Weining Wu**, Maozu Guo, Yang Liu. A method of active learning with optimal sampling strategy. In: Proc. of 2012 IEEE International Conference on Computer Science and Automation Engineering, May 25-27, 2012, pp. 725-729
[4] **Weining Wu**, Maozu Guo, Yang Liu, Runzhang Xu. Active learning with optimal distribution for image classification. In: Proc. of 2011 International Conference on Multimedia Technology, July 26-28, 2011, pp. 132-136
[5] **Weining Wu**, Guozhi Song, Xingang Li. Performance analysis of parallel database in grid. In: Proc. of 2010 International Conference on Computer and Information Application, Nov.2-4, 2010, pp. 323-325

Presentations & Talks

[1] Effective constructing training sets for object detection, 2013 IEEE International Conference on Image Processing, Melbourne, Australia, Sep. 2013
[2] Constructing training distribution by minimizing variance of risk criterion for visual category learning. 2012 IEEE International Conference on Image Processing. Orlando, Sep. 2012