Jinhua (Andy) MA

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Research Experience

- **Post-Doctoral Fellow** (PI: Dr. Suchi Saria) Apr 2014 to Present
  Department of Computer Science, Johns Hopkins University

- **Post-Doctoral Associate** (PI: Dr. Ping Li) Dec 2013 to Apr 2014
  Department of Statistics and Biostatistics, Rutgers University

- **Senior Research Assistant** (PI: Prof. Pong Chi Yuen) Sep 2013 to Nov 2013
  Computer Science Department, Hong Kong Baptist University

- **Research Assistant** (PI: Prof. Pong Chi Yuen) Sep 2012 to Aug 2013
  Computer Science Department, Hong Kong Baptist University

- **Research Student** (PI: Prof. Pong Chi Yuen) Sep 2009 to Aug 2012
  Computer Science Department, Hong Kong Baptist University

Education

- **Hong Kong Baptist University** Sep 2009 to Aug 2013
  Ph.D. in Computer Science
  Advisor: Prof. Pong Chi Yuen

- **Sun Yat-Sen University** Sep 2007 to Jul 2009
  M.Sc. in Mathematics
  Advisors: Prof. Pong Chi Yuen and Prof. Jian-Huang Lai

- **Sun Yat-Sen University** Sep 2003 to Jul 2007
  B.Sc. in Mathematics

Research Interests

- **Learning theory:** Classifier fusion, feature combination, manifold learning, transfer learning, semi-supervised learning, large-scale learning, multiple instance learning

- **Vision applications:** Human action recognition, person re-identification, tracking, face image analysis, object categorization, pose estimation, scene understanding

Publications

- **Journals**

  1. <u>Andy J Ma</u>, Pong C Yuen, Jiawei Li and Ping Li, "Cross-Domain Person Re-Identification Using Domain Adaptation Ranking SVMs," ***IEEE Transactions on Image Processing (TIP)***, vol. 24, no. 5, pp. 1599-1613, 2015.

  2. <u>Andy J Ma</u> and Pong C Yuen, "Reduced Analytic Dependency Modeling: Robust Fusion for Visual Recognition," ***International Journal of Computer Vision (IJCV)***, vol. 109, no. 3, pp. 233-251, 2014.

  3. <u>Andy J Ma</u>, Pong C Yuen, and Jian-Huang Lai, "Linear Dependency Modeling for Classifier Fusion and Feature Combination," ***IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)***, vol. 35, no. 5, pp. 1135–1148, 2013.

4. <u>Andy J Ma</u>, Pong C Yuen, Wilman W W Zou, and Jian-Huang Lai, "Supervised Spatio-Temporal Neighborhood Topology Learning for Action Recognition," *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, vol. 23, no. 8, pp. 1447–1460, 2013.

- **Conferences**

5. <u>Andy J Ma</u> and Ping Li, "Semi-Supervised Ranking for Re-Identification with Few Labeled Image Pairs," *Asian Conference on Computer Vision (ACCV)*, 2014.

6. <u>Andy J Ma</u> and Ping Li, "Query Based Adaptive Re-Ranking for Person Re-Identification," *Asian Conference on Computer Vision (ACCV)*, 2014.

7. Xiangyuan Lan, <u>Andy J Ma</u> and Pong C Yuen, "Multi-Cue Visual Tracking Using Robust Feature-Level Fusion Based on Joint Sparse Representation," ***IEEE Conference on Computer Vision and Pattern Recognition (CVPR)***, 2014.

8. <u>Andy J Ma</u>, Pong C Yuen and Jiawei Li, "Domain Transfer Support Vector Ranking for Person Re-Identification without Target Camera Label Information," ***IEEE International Conference on Computer Vision (ICCV)***, 2013.

9. <u>Andy J Ma</u> and Pong C Yuen, "Reduced Analytical Dependency Modeling for Classier Fusion," ***European Conference on Computer Vision (ECCV)***, 2012.

10. <u>Andy J Ma</u> and Pong C Yuen, "Linear Dependency Modeling for Feature Fusion," ***IEEE International Conference on Computer Vision (ICCV)***, 2011.

11. <u>Andy J Ma</u>, Pong C Yuen, Wilman W W Zou, and Jian-Huang Lai, "Supervised Neighborhood Topology Learning for Human Action Recognition," *Workshops of IEEE International Conference on Computer Vision (ICCV Workshops)*, 2009.

Academic Services

- Reviewer for
  IEEE Transactions on Cybernetics, Pattern Recognition, Optical Engineering, Journal of Electronic Imaging

- Student Helper in *International Conference on Image Processing (ICIP)*, 2010

Invited Talks

- Topic: Dependency Modeling for Information Fusion with Applications in Visual Recognition
  ICTS regular meeting, Hong Kong Baptist University   Apr 2013

- Topic: Supervised Neighborhood Topology Learning for Human Action Recognition
  Guangdong, Hong Kong, Macau Symposium on Vision and Graphics   Nov 2009

Technical Skills

- Programming Skills: Matlab (Proficient), VC++ & C (Advanced), Java (Elementary)

- Strong background in Mathematics

Awards

- Research Postgraduate Scholarship, Hong Kong Baptist University   2011-2012

- Teaching Assistant Performance Award, Hong Kong Baptist University   2010-2011

- Graduate Student Scholarship, Sun Yat-Sen University   2007-2009
- Excellent Student Scholarship, Sun Yat-Sen University   2003-2006
- 1st prize of the Chinese Senior High School Physics Competition   2002-2003
- 3rd prize of the Chinese Senior High School Mathematics Competition   2002-2003

Teaching Experiences

- Teaching Assistant in computer science courses
    - ◇ Information Security Management
    - ◇ Computer and Network Security
    - ◇ Object Oriented Systems Analysis and Design
    - ◇ Information and Knowledge Management
    - ◇ IT Project Management

Languages

- English (Advanced), Mandarin (Fluent), Cantonese (Native)

References

- Available upon request