

# MENG TANG

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Department of Computer Science  
Western University, London, ON, Canada

## EDUCATION

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**PhD in Computer Science** *Jan. 2014 - Present*

**MSc in Computer Science** *Sep. 2012 – Dec. 2013*

Western University, London, ON, Canada.

- Advisor: Yuri Boykov

**B.E. in Automation** *Sep. 2008 – Jul. 2012*

Huazhong University of Science and Technology, Wuhan, China

- Grade: 88.97%

## RESEARCH INTEREST

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- Optimization for Computer Vision and Machine Learning
- Image Segmentation, Data Clustering, Semi-supervised Learning

## PUBLICATION

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1. **Meng Tang**, Dmitrii Marin, Ismail Ben Ayed, Yuri Boykov, “Kernel Cuts: MRF meets kernel and spectral clustering”, In *International Journal of Computer Vision (IJCV)*, 2016 (submitted).
2. **Meng Tang**, Dmitrii Marin, Ismail Ben Ayed, Yuri Boykov, “Normalized Cut Meets MRF”, In *European Conference on Computer Vision (ECCV)*, Amsterdam, Netherlands, October 2016. (Oral, rate: 1.8%)
3. Dmitrii Marin, **Meng Tang**, Ismail Ben Ayed, , Yuri Boykov, “Kernel clustering: density biases and solutions”, In *IEEE transactions on Pattern Analysis and Machine Intelligence (PAMI)*, 2016 (submitted).
4. **Meng Tang**, Ismail Ben Ayed, Dmitrii Marin, Yuri Boykov, “Secrets of GrabCut and Kernel K-means”, In *IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, December 2015.
5. **Meng Tang**, Ismail Ben Ayed, Yuri Boykov, “Pseudo-Bound optimization for binary energies”, In *European Conference on Computer Vision (ECCV)*, Zurich, Switzerland, September 2014. (Oral, rate: 2.6%)
6. **Meng Tang**, Lena Gorelick, Olga Veksler, Yuri Boykov, “GrabCut in One Cut”, In *IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, December 2013.
7. **Meng Tang**, "Color Separation for Image Segmentation", *M.Sc. thesis*, University of Western Ontario, Canada, December 2013.
8. **Meng Tang**, Yan-wu Wang, Changyun Wen, "Improved delay-range-dependent stability criteria for linear systems with interval time-varying delays", *IET Control Theory and Applications*, Volume 6, Issue 6, p.868-873, 2012.

## **INDUSTRIAL EXPERIENCE**

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### **Graduate Computer Vision Intern**

*June. 2016 – Sept. 2016*

A9.com (an Amazon company), Palo Alto, CA.

Mentors: Edward Hsiao & Douglas Gray

## **TALKS**

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- In École de Technologie Supérieure, Université du Québec, Canada, Nov. 2016  
*“Energy minimization for segmentation in computer vision”.*
- In *European Conference on Computer Vision (ECCV)*, Amsterdam, Netherlands, Oct. 2016  
*“Normalized Cut Meets MRF”.*
- In Computer Vision Seminar, A9.com, Palo Alto, CA, June 2016  
*“Energy minimization for segmentation in computer vision”.*
- In *European Conference on Computer Vision (ECCV)*, Zurich, Switzerland, Sept. 2014  
*“Pseudo-Bound optimization for binary energies”.*

## **TEACHING EXPERIENCE**

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- Teaching Assistant, CS 1037a Computer Science Fundamentals II (C++), University of Western Ontario, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016.
- Teaching Assistant, CS 1033b Multimedia and Communications, University of Western Ontario, Spring 2013, Spring 2014.
- Teaching Assistant, CS 1027b Computer Science Fundamentals II (JAVA), University of Western Ontario, Spring 2016.

## **PROFESSIONAL SERVICES**

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- Reviewer for:
  - IEEE Transactions on Image Processing (TIP)
  - European Conference on Computer Vision (ECCV) 2016
  - IEEE International Conference on Computer Vision (ICCV) 2015
  - IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2015, 2016, 2017

## **AWARDS**

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- Western Graduate Research Scholarship, Western University, 2012-2017
- Outstanding Graduate, Huazhong University of Science and Technology, 2012
- National Encouragement Scholarship, China, 2010, 2011
- National Scholarship, China, 2009

## **PROFESSIONAL SKILLS**

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C / C++, Matlab, Python, JAVA, CUDA, Caffe, OpenCV, Cilk Plus.

*Updated: Dec. 1<sup>st</sup> 2016*