

Yumin Suh

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RESEARCH INTERESTS Computer vision and machine learning, especially metric learning and graph matching

EDUCATION [Seoul National University](#), Seoul, Korea

Ph.D., Electrical and Computer Engineering Mar 2014 – Present
Advisor: [Prof. Kyoung Mu Lee](#)

M.S., Electrical Engineering and Computer Science Mar 2011 – Feb 2013
Thesis: Graph Matching via Sequential Monte Carlo
Advisor: [Prof. Kyoung Mu Lee](#)

B.S., Electrical Engineering Mar 2007 – Feb 2011
Thesis: CMOS Interface Circuit Design for Silicon Photonics Device
Advisor: Prof. Deog-Kyoon Jeong

PUBLICATIONS **Yumin Suh**, Jingdong Wang, Siyu Tang, Tao Mei, and Kyoung Mu Lee, “Part-Aligned Bilinear Representations for Person Re-identification”, European Conference on Computer Vision (**ECCV**), 2018.

Yumin Suh and Kyoung Mu Lee, “Appearance Dependent Inter-Part Relationship for Human Pose Estimation”, Asia Pacific Signal and Information Processing Association Conference (APSIPA), 2016.

Kamil Adamczewski, **Yumin Suh**, Kyoung Mu Lee, “Discrete Tabu Search for Graph Matching”, International Conference on Computer Vision (**ICCV**), 2015.

Yumin Suh, Kamil Adamczewski, Kyoung Mu Lee, “Subgraph Matching Using Compactness Prior For Robust Feature Correspondence”, Conference on Computer Vision and Pattern Recognition (**CVPR**), 2015.

Jungmin Lee, **Yumin Suh**, and Kyoung Mu Lee, “Energy Formulation for Effective Subgraph matching”, Workshop on Image Processing and Image Understanding, 2013

Yumin Suh, Minsu Cho, and Kyoung Mu Lee, “Graph Matching via Sequential Monte Carlo”, European Conference on Computer Vision (**ECCV**), 2012

Minju Kim, **Yumin Suh**, Daeseob Lim, Issac Rhim, Kyoung-Whan Choi, and Sang-Hun Lee, “Roles of Time Hazard in Perceptual Decision Making under High Time Pressure”, *i-Perception* 2(4), 2011

PROJECTS Gyeongsik Moon, Ju Yong Chang, **Yumin Suh**, and Kyoung Mu Lee, “Holistic Planimetric prediction to Local Volumetric prediction for 3D Human Pose Estimation”, [arXiv:1706.04758](https://arxiv.org/abs/1706.04758).

EXPERIENCE

Intern

- Microsoft Research Asia (MSRA), Beijing, China Sep 2016 – May 2017
Mentors: [Dr. Tao Mei](#) and [Dr. Jingdong Wang](#)
- Inria WILLOW group, Paris, France Dec 2014 – Jun 2015
Mentors: [Prof. Jean Ponce](#) and [Prof. Minsu Cho](#)
- Samsung Mobile Display Jun 2009

Teaching Assistant

- Topics in Control and Automation - Selected Topics in Computer Vision, Dept. of ECE, Seoul National University Sep 2017 – Dec 2017
- Electrical Electronic Engineering Design and Lab - Introduction to computer vision, Dept. of EECS, Seoul National University Sep 2012 – Dec 2012

Research Assistant

- Participated in the project “Joint Modeling of Human Pose and Action in Video”, ASRI, Seoul National University May 2013 – Feb 2014
- Participated in the project “Roles of time hazard in perceptual decision making under high time pressure”, Vision Neuroimaging Lab., Dept. of Brain and Cognitive Science, Seoul National University Sep 2010 – Dec 2010

HONORS

- *3rd Place Award, SFMI Machine Learning Challenge 2017* 2017
Challenge on the road sign letter recognition from road view images
with Jihong Kang and Sungyong Baik
Samsung Fire & Marine Insurance, Korea
- *MSRA Fellowship Nomination Award* 2016
Microsoft Research Asia, Beijing, China
- *Graduated with honors (Summa cum laude)* Feb 2011
Department of Electrical Engineering, Seoul National University

SCHOLARSHIPS

- *Graduate Scholarship* Sep 2011 - Aug 2017
Korea Foundation for Advanced Studies (KFAS), Korea
- *National Presidential Science Scholarship* 2007 – 2010
Korean Government
- *Samsung JFL scholarship* 2005

SKILLS

C, C++, MATLAB, python, lua, L^AT_EX