
KATSUNORI OHNISHI

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Education

M.S. in Information Science and Technology, University of Tokyo

Apr. 2015 - Present

Theme: Action Recognition, Egocentric Vision

B.S. in Mechano-Infomatics, University of Tokyo

Apr. 2011 - Mar. 2015

Thesis: Robust Ego-Activities Detection of Daily Living in Diversity
Environment with a Wrist-mounted Camera (Prof. T. Harada)

Research Experience

Research Intern

Aug. 2015

NTT Corporation: NTT Communication Science Laboratories, Kyoto

Theme: Speech recognition with Network in Network, under the
supervision of Dr. Tatsuya Yoshioka

Student

April. 2014 - Present

University of Tokyo: under the supervision of Prof. Tatsuya Harada

Theme: Egocentric vision, action recognition, large-scale object
recognition

Work Experience

Algorithm Developer in Medical Image Processing

Jun. 2015 - Present

Ziosoft, Inc., Tokyo

Topic: Automatic recognition from MR image and CT image

Mentor, research seminar for undergraduate

Oct. 2015 - Jan. 2016

The University of Tokyo

Theme: Image detection with Convolutional Neural Networks

Teaching Assistant, "Real world recognition"

Oct. 2015

The University of Tokyo

Preparatory School Teacher

Apr. 2012 - Mar. 2014

Sundai Preparatory School, Tokyo

Personal Teaching: Mathematic, Physics, and Chemistry for junior high
school and high school student

Publications

[1] Takuya Yoshioka, **Katsunori Ohnishi**, Fuming Fang, and Tomohiro
Nakatani, "Noise Robust Speech Recognition using Recent Developments in
Neural Networks for Computer Vision," ICASSP, 2016.

[2] **Katsunori Ohnishi**, Atsushi Kanehira, Asako Kanezaki, and Tatsuya Harada, “Recognizing Activities of Daily Living with a Wrist-mounted Camera,” arXiv, 2015.

Funding sources

[1] Japan Public-Private Partnership Student Study Abroad Program (Full-funded scholarship for visiting research) Apr. 2015 - Jul. 2015

Competitions

[1] ILSVRC 2015 in conjunction with ICCV 2015 (**invited poster**)
the *3rd* place in the task 1b: Object detection with additional training data
Masataka Yamaguchi, Qishen Ha, **Katsunori Ohnishi**, Masatoshi Hidaka,
Yusuke Mukuta, Tatsuya Harada

[2] THUMOS Challenge 2015 in conjunction with CVPR 2015
the *9th* place in the task 1: action classification
Katsunori Ohnishi and Tatsuya Harada

Skills

Technical Skills: Matlab (50%), Python (45%), C++ (5%)

Embedded Systems: Arduino

Toolkits/Frameworks: Chainer, Caffe, OpenCV

Interests & Activities: Baseball, Fencing
