
KATSUNORI OHNISHI

email:

ohnishi [at] mi.t.u-
tokyo.ac.jp

address:

7-3-1 Hongo
Bunkyo-ku, Tokyo,
Japan
+81-3-5841-8987

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

Visiting Student

May. 2016 - Aug. 2016

Johns hopkins university: working with Prof. Austin Reiter and Prof. Gregory D. Hager

Theme: Deep representations for 3D object recognition

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

Publications

[1] Katsunori Ohnishi, Atsushi Kanehira, Asako Kanezaki, and Tatsuya Harada, "Recognizing Activities of Daily Living with a Wrist-mounted Camera," CVPR, 2016. **Spotlight** (acceptance rate=9.7%)

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

[3] Andrew Shin, Masataka Yamaguchi, Katsunori Ohnishi, and Tatsuya Harada, "Dense Image Representation with Spatial Pyramid VLAD Coding of CNN for Locally Robust Captioning," arXiv.

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
The University of Tokyo

Oct. 2015 - Jan. 2016

Theme: Image detection with Convolutional Neural Networks

Teaching Assistant, "Real world recognition"
The University of Tokyo

Oct. 2015

Preparatory School Teacher
Sundai Preparatory School, Tokyo

Apr. 2012 - Mar. 2014

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

Funding sources

[1] Japan Public-Private Partnership Student Study Abroad Program (Full-funded scholarship for visiting research) **Apr. 2016 - Jul. 2016**

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
