

Ryota Hinami

CONTACT INFORMATION	Satoh Shin'ichi Laboratory National Institute of Informatics 2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430, Japan <i>E-mail:</i> hinami@nii.ac.jp
AFFILIATION	Graduate School of Information Science and Technology The University of Tokyo
RESEARCH INTERESTS	Computer Vision, and Multimedia processing. Especially for multimedia retrieval, e.g., image indexing and object retrieval.
EDUCATION	The University of Tokyo , Tokyo, Japan Ph.D., Information and Communication Engineering, April 2016 - <ul style="list-style-type: none">• Adviser: Professor Shin'ichi Satoh• Area of Study: Multimedia and Computer Vision M.S., Information and Communication Engineering, April 2014 - March 2016 <ul style="list-style-type: none">• Thesis Topic: <i>Large-scale object category detection and retrieval</i>• Adviser: Professor Shin'ichi Satoh• Area of Study: Multimedia and Computer Vision B.E., Information and Communication Engineering, April 2010 - March 2014 <ul style="list-style-type: none">• Thesis Topic: <i>Control of humanoid robot</i>• Adviser: Professor Hitoshi Iba• Area of Study: Evolutionary Computation
PUBLICATIONS	[1] Y. Fang, <u>R. Hinami</u> , Y. Matsui, S. Ly, S. Satoh. "Efficient image retrieval via decoupling diffusion into online and offline processing" In <i>Proc. AAAI Conference on Artificial Intelligence (AAAI)</i> , 2019. [2] <u>R. Hinami</u> , S. Satoh. "Discriminative Learning of Open-Vocabulary Object Retrieval and Localization by Negative Phrase Augmentation" <i>Empirical Methods in Natural Language Processing (EMNLP)</i> 2018. [3] Y. Matsui, <u>R. Hinami</u> , S. Satoh. "Reconfigurable inverted index" <i>ACM Multimedia (ACMMM)</i> 2018. (Oral) [4] A. Girbau, <u>R. Hinami</u> , S. Satoh. "Tracked instance search" <i>International Conference on Acoustics, Speech and Signal Processing (ICASSP)</i> 2018. [5] <u>R. Hinami</u> , J. Liang, S. Satoh, A. Hauptmann. "Multimodal Co-Training for Selecting Good Examples from Webly Labeled Video" <i>arXiv</i> 2017. [6] <u>R. Hinami</u> , Y. Matsui, S. Satoh. "Region-based image retrieval revisited" <i>ACM Multimedia (ACMMM)</i> 2017. (Oral) [7] <u>R. Hinami</u> , T. Mei, S. Satoh. "Joint detection and recounting of abnormal events by learning deep generic knowledge" <i>IEEE International Conference on Computer Vision (ICCV)</i> 2017. [8] <u>R. Hinami</u> , S. Satoh. "Audience behavior mining: integrating TV ratings with multimedia contents" <i>IEEE Multimedia</i> 2017.

- [9] R. Hinami, S. Satoh. “Audience behavior mining by integrating TV ratings with multimedia contents” *IEEE International Symposium on Multimedia (ISM)* 2016. (Honorable Mention)
- [10] R. Hinami, S. Satoh. “Large-scale R-CNN with classifier adaptive quantization” *European Conference on Computer Vision (ECCV)* 2016.
- [11] R. Hinami, L. Xinhao, N. Chiba, S. Satoh. “Bidirectional extraction and recognition of scene text with layout consistency” *International Journal on Document Analysis and Recognition (IJ DAR)* 2016.
- [12] R. Hinami, L. Xinhao, N. Chiba, S. Satoh. “Simultaneous processing of text line estimation and scene text recognition” *The Meeting on Image Recognition and Understanding (MIRU)* 2015. (Oral)

PROFESSIONAL
EXPERIENCE

Carnegie Mellon University, Pittsburgh, USA

Visiting Student

January 2018 to March 2018

- Supervisor: Prof. Alex Hauptmann
- Research topic: Webly-supervised video retrieval

NTT Communication Science Laboratories, Kanagawa, Japan

Visiting Student

January 2017 to March 2017

- Supervisor: Dr. Masaya Murata
- Research topic: Instance search

Microsoft Research Asia, Beijing, China

Research Internship

July 2016 to October 2016

- Supervisor: Dr. Tao Mei
- Research topic: Abnormal event detection in videos

Rakuten Institute of Technology, Tokyo, Japan

Research Internship

June 2014 to June 2015

- Supervisor: Dr. Naoki Chiba
- Research topic: Text recognition in natural scene images

Donuts Co. Ltd., Tokyo, Japan

Software Engineer Internship

March 2013 to March 2014

- Development of smartphone games and web services

SKILLS

Kaggle Master (2 gold medals and 1 silver medal):

- 7th of 209 in Google landmark retrieval challenge
- 7th of 483 in Google landmark recognition challenge
- 17th of 394 in The 2nd YouTube-8M Video Understanding Challenge

Computer Programming:

- Python, MATLAB, C++, Japascript
- PyTorch, Chainer, Caffe, Keras

Language:

- English: TOEIC 920/990 in March 2015

AWARDS

- Dean's Award for Best Master Thesis, Graduate School of Information Science and Technology, 2016
- Honorable Mention, International Symposium on Multimedia, 2016
- Best Student Award, National Institute of Informatics, 2017
- 1st place, UTokyo1000k, 2018
- Innovative technologies 2018, Digital Content Association of Japan, 2018
- Demo Day Award, Todai To Texas 2019 Demo Day, 2018