

# Toru FUJINO

## PERSONAL DATA

---

NATIONALITY: Japan  
PLACE: Chiba, Japan  
PHONE: +81 90 4969 6773  
EMAIL: [toru.fb34@gmail.com](mailto:toru.fb34@gmail.com)  
GitHub: <https://github.com/toru34>

## WORK EXPERIENCE

---

DEC 2015 - Senior Data Scientist (part-time) | IGPI Business Analytics & Intelligence  
- *Researches on Automatic Text Summarization*  
Developed and released a system to automatically generate financial articles.  
Published three domestic conference papers and one international conference paper (EMNLP 2017)  
- *Teaching Staff on Deep Learning Courses at the University of Tokyo* (<http://deeplearning.jp/en/>)  
Developed Course materials about deep learning techniques, such as MLP, CNN and RNN, and recent topics, including image recognition, image captioning, network embedding, machine translation and reinforcement learning.  
· Advanced Artificial Intelligence I (2016 Summer, 2017 Summer)  
· Advanced Artificial Intelligence II (2016 Autumn)  
· Deep Learning Basics (2016 Summer, 2017 Summer, 2018 Winter, 2019 Summer)  
· Deep Learning Developer Course (2017 Winter, 2018 Summer)  
· Deep Learning for Natural Language Processing (2018 Summer)

## EDUCATION

---

APR. 2016 - Ph. D candidate in ENVIRONMENTAL STUDIES  
**Graduate School of Frontier Sciences, The University of Tokyo, Japan**  
Major: Complex Adaptive Systems | Advisor: Prof. Yu CHEN

APR. 2014 - MAR. 2016 Master Degree in ENVIRONMENTAL STUDIES  
**Graduate School of Frontier Sciences, The University of Tokyo, Japan**  
Major: Complex Adaptive Systems | Advisor: Prof. Yu CHEN  
Thesis: *Study on Traffic Networks with Approaches from Complex Adaptive Systems*  
Developed agent-based simulation models in C++ to investigate the relationship between network structures and performances in traffic systems

APR. 2009 - MAR. 2014 Bachelor Degree in ECONOMICS  
**Department of Economics, Yokohama National University, Japan**  
Major: Microeconomics | Advisor: Prof. Norio TAKEOKA  
Thesis: *Study on the parity policies in NFL from the viewpoint of microeconomics*

## SCHOLARSHIPS & GRANTS

---

APR. 2017 - MAR. 2018	Scholarship for advanced graduate students in Artificial Intelligence by Toyota & Dowango (¥1,200,000)
JUL. 2016 - DEC. 2016	Academic Research Grant for Graduate School of Frontier Sciences Doctor Course Students (¥300,000)

## SKILLS

---

Softwares: Python, SQL, C/C++, LaTeX  
Languages: JAPANESE (native), ENGLISH (TOEFL iBT: 96, Sep. 2016)

## RESEARCH

---

### Journals

1. **Toru Fujino**, Yu Chen,  
"Effects of Network Structure on the Performance of a Modeled Traffic Network under Drivers' Bounded Rationality",  
Accepted in Physica A: Statistical Mechanics and its Applications, 2019 (Preprint version: arXiv:1707.06492)

### International Conference Proceedings

1. Masaru Isonuma, **Toru Fujino**, Ichiro Sakata, Yutaka Matsuo, Junichiro Mori,  
"Extractive Summarization Using Multi-Task Learning with Document Classification",  
Conference on Empirical Methods in Natural Language Processing (EMNLP), 2017 (Refereed)

### International Conference Presentations

1. **Toru Fujino**, Yu Chen  
"Do Stylized Facts in Financial Markets Collapse Due to the Artificial Intelligence Analysis of Other Traders Behaviour?",  
Conference on Complex Systems (CCS) 2019 (Refereed, Oral)
2. **Toru Fujino**, Yu Chen  
"Effects of Network Structures on the Performance of a Modeled Traffic Network with Drivers' Preference Heterogeneity",  
The 3rd Annual International Conference on Computational Social Science (IC2S2), 2017 (Refereed, Poster)
3. **Toru Fujino**, Kangwei Chen, Yu Chen,  
"Study on Transport Costs across Network Using a Minority Game Model with Imperfect Information",  
Social Modeling and Simulations + Econophysics Colloquium (SMSEC), 2014 (Refereed, Oral)

## REFERENCES

---

1. **Yu Chen**

Associate Professor  
Department of Human and Engineered Environmental Studies  
Graduate School of Frontier Sciences  
The University of Tokyo  
5-1-5 Kashiwanoha, Kashiwa-shi, Chiba 277-8563  
✉ [chen@k.u-tokyo.ac.jp](mailto:chen@k.u-tokyo.ac.jp)  
☎ +81-4-7136-4603

2. **Yutaka Matsuo**

Project Associate Professor  
Department of Technology Management for Innovation  
Graduate School of Engineering  
The University of Tokyo  
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656  
✉ [matsuo@weblab.t.u-tokyo.ac.jp](mailto:matsuo@weblab.t.u-tokyo.ac.jp)  
☎ +81-3-5841-7718