

Toru FUJINO

PERSONAL DATA

NATIONALITY: Japan
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WORK EXPERIENCE

DEC 2015 - 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/>)
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

Journal

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

Conference Proceeding

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)

Conference Presentations (without Proceedings)

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**
Professor

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