

NOZOMI NORI

Graduate School of Information Science and Technology, The University of Tokyo.

Phone: +81-3-5841-6774 (Office), +81-80-4369-8640 (Mobile)

Email: nozomi.nori@gmail.com, nori@mi.ci.i.u-tokyo.ac.jp

Web site: <http://nozomi.shi-ba.org/>

1. CURRICULUM VITAE

1.1 RESEARCH INTEREST

Development of learning methodologies for large-scale, real-world structured data (such as graphs, hypergraphs). Especially, I have been developing modeling techniques for multinomial relational data.

Keywords;

- Hyper Graph
- Graph Algorithm
 - Graph Kernel
 - Spectral Graph Theory
- Machine Learning
 - Semi-supervised Learning
 - Statistical Relational Learning
- Social Computing
 - Collective Intelligence / Wisdom of Crowds
- Web Mining
- Artificial Intelligence
 - Amplifier of Human Intelligence
- Semantic Computing
 - Linked Data

1.2 EDUCATION

- MS** in Information Sciences & Technology,
The University of Tokyo, Japan, May 2012 (Expected)
- Supervisors: Mitsuru Ishizuka, Danushka Bollegala, Hisashi Kashima.
 - A Study on learning from multinomial relational data by graph modeling.
- BS** in Engineering,
The University of Tokyo, Japan, May 2010
- Supervisor: Yasuhiro Hashimoto
 - A Study on information flow pattern by orders.

1.3 HONORS & AWARDS

- Full Scholarship (Funai Overseas Scholarship)
 - Awarded by THE FUNAI FOUNDATION FOR INFORMATION TECHNOLOGY.
 - Including all academic fees and living costs to pursue one's doctoral degree abroad.
 - ✧ As a general rule, those are guaranteed for two years. Enlargement would be accepted in exceptional circumstances.

- ◇ The following expenses are supported.
 - Academic fee: Full amount
 - Insurance for medical care: Full amount
 - Living expense: 2,500 USD per month
 - Preparation money: 500,000 JPY
 - Travel expense: Round-trip airfare
- Fellowship
 - Japan Society of the Promotion of Science (JSPS) Research Fellowship for Young Scientists (DC1)
 - Including all academic fees and living costs to pursue one's doctoral degree in Japan.
 - ◇ Those are guaranteed for three years, that is, the whole time in the doctoral course in Japan.
 - ◇ <http://www.jsps.go.jp/english/e-pd/index.html>
 - ◇ The following expenses are supported.
 - Monthly stipend: 200,000JPY
 - Grants-in-Aid for Scientific Research: up to 1,500,000JPY/year

1.4 RESEARCH AND WORK EXPERIENCE

- Research Assistant/ Technical Assistant, Sakigake Project funded by Japan Science and technology Agency, April 2011 to present.
 - Research on prediction of multinomial relations with high accuracies and scalability.
 - Supervisor: Prof. Hisashi Kashima
 - Web site: http://www.jst.go.jp/kisoken/presto/index_e.html
- Research Assistant/ Technical Assistant, Innovation Policy Research Center, School of Engineering, The University of Tokyo, September 2010 to present.
 - Developed an analysis tool to support people to overview academic fields or industrial fields, or figure out the relationships among them, by implementing several graph/network algorithms etc for research papers and patent data. The system has been used in the class at our university and an electronic company in Japan.
 - Developed a new method to extract quantitative “differences” among various networks for finding influential/interdisciplinary research papers.
 - Web site: <http://ipr-ctr.t.u-tokyo.ac.jp/en/>
- Microsoft Research Asia (accepted, be scheduled for 2012 spring)
 - Supervisor: Dr. Tie-Yan Liu (Expected), Dr. Tao Qin (Expected)

1.5 COMMUNITY ACTIVITY

- Program committee member (reviewer) of the 6th International AAAI Conference on Weblogs and Social Media.
- Management member of Computer Science Young Community, by Programming Symposium Information Processing Society in Japan.
 - The largest community for young researchers in computer science in Japan.
 - Web site: <http://www.ipsj.or.jp/english/index.html>

1.6 PROJECT

- Project Member of Linked-Data; Development of Information Retrieval Framework for Graph Data, April 2010 to April 2011, The University of Tokyo.
 - Developed unified framework library that enables users to conduct a series of operations of crawling, graph-constructions, applying algorithms and visualizing the outputs (especially for graph structured data) in a user-friendly fashion.

1.7 COMPUTER SKILLS

- **Language:** Python, Ruby, R, C, C#, Java
- **Operating Systems:** Linux/Unix systems (Gentoo, Ubuntu) , Windows
- **Other:** Git, MySQL, RDF

1.8 LANGUAGE SKILLS

- **Japanese:** Native Speaker
- **English:** Fluent

1.9 ABROAD EXPERIENCE

- Israel, Russia, China, U.S, Spain, Taiwan, South Korea
 - Including my personal trips, intern experiences at a venture capital, IT consulting work experiences for a trading company in Japan.

2. PUBLICATIONS

2.1 Refereed International Conference Publication

[1] Nozomi Nori, Danushka Bollegala, Mitsuru Ishizuka:
Interest Prediction on Multinomial, Time-Evolving Social Graphs,
Proceedings of International Joint Conference on Artificial Intelligence (**IJCAI 2011**), July 2011

[2] Nozomi Nori, Danushka Bollegala, Mitsuru Ishizuka:
Exploiting User Interest on Social Media for Aggregating Diverse Data and Predicting Interest,
Proceedings of International AAAI Conference on Weblogs and Social Media (**ICWSM2011**), July 2011

2.2 Domestic Conference Publication

[1] Nozomi Nori, Danushka Bollegala, Mitsuru Ishizuka:
Translated title: Exploiting Activities Data for Learning Preferences,
Proceedings of the 25th Annual Conference of the Japanese Society for Artificial Intelligence, June 2011

[2] Nozomi Nori, Danushka Bollegala, Mitsuru Ishizuka:

Translated title: Interest Prediction in Multi-Domain, Multi-Relational Social Media, Proceedings of the 73th Annual Conference of the Information Processing Society of Japan, March 2011

[3] Kiyohiro Yamaguchi, Nozomi Nori:

Translated title: Unified Framework to Deal with Data on the Web as Graphs, 43th Computer Science Young Community, by Programming Symposium Information Processing Society, September 2010

[4] Nozomi Nori, Kiyohiro Yamaguchi, Yasuhiro Hashimoto:

Translated title: Characterization of Articles by Information Flow Pathways in Tumblr, 89th SIG-KBS, the Japanese Society for Artificial Intelligence, March 2010

3. REFERENCES

Professor Mitsuru Ishizuka

Graduate School of Information Science and Technology, The University of Tokyo

Web site: <http://www.miv.t.u-tokyo.ac.jp/ishizuka/eng.html>

Assistant Professor Danushka Bollegala

Graduate School of Information Science and Technology, The University of Tokyo

Web site: <http://www.iba.t.u-tokyo.ac.jp/~danushka/index.html>

Associate Professor Hisashi Kashima

Graduate School of Information Science and Technology, The University of Tokyo

Web site: http://www.geocities.jp/kashi_pong/index_e.html