

Curriculum Vitae

Genya Ishigaki

Soka University
Graduate School of Engineering
Computer Science Major

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Education

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|------------------------------|--|
| April, 2014 - present | Graduate School of Soka University
GPA 4.0 / 4.0
networking and graph theory laboratory |
| March, 2014 | Bachelor of Engineering from Soka University (Computer Science major)
GPA 3.96 / 4.0
networking and graph theory laboratory |
| Summer, 2013 | Visiting student researcher at University of California, Irvine
in the guidance of Prof. Lubomir Bic |

Experiences

Teaching Assistant at Soka University

(Networking lab, Introduction to programming I / II, Linear programming, Graph theory seminar)

Honors and Awards

Award for Excellence (student) of Technical Committee on Circuits and Systems, IEICE ES Society (2014)

The Top Student of Dept. of Information Systems Science (class of 2014)

Tuition Merit Scholarship of Soka University (2010 - 2014)

Honor Student of Soka University in every semester with \$10,500 (2010, 2011, 2012, 2013)

Field research and intensive research course scholarship from Soka University (2010 - 2012)

Selected Publications

1. **Genya Ishigaki**, Masao Yoshida, Norihiko Shinomiya, "On maximizing tree reliability based on minimum diameter spanning tree," Circuits and Systems (APCCAS), 2014 IEEE Asia Pacific Conference on, Nov. 2014.
2. **Genya Ishigaki**, Norihiko Shinomiya, "Distributed Network Flow Optimization Algorithm with Tie-set Control based on Coloring for SDN," Computing, Networking and Communications (ICNC), 2015 International Conference on, Feb. 2015.
3. **Genya Ishigaki**, Norihiko Shinomiya, "Controller placement algorithm to alleviate burdens on communication nodes," Computing, Networking and Communications (ICNC), 2016 International Conference on, Feb. 2016.

4. **Genya Ishigaki**, Norihiko Shinomiya, "*On composing a robust tree against single link failure in a network with reliability of links*," IEICE Tech. Rep., vol. 114, no. 312, pp. 127-130, Nov. 2014.
5. **Genya Ishigaki**, Nobumasa Sawaki, Norihiko Shinomiya, "*An Evaluation Method of Tree Networks including Unreliable Communications Links*," Proceedings of the Society Conference of IEICE, Sep. 2013.

Research Interests

Network Design, Graph Theory, Distributed Algorithms

Professional Memberships

IEEE student member (2014 - present)

IEEE Tokyo Young Professionals (YPs) committee member (2015 - present)

Institute of The Electronics, Information and Communication Engineers student member (2013 - present)

Computer Skills

Java, Python, C, JavaScript, MySQL, Lua, TeX

Experiences in simulator development for academic papers with Java and Python.

Languages

TOEFL iBT **94** (September, 2013), TOEIC **960** (December, 2014)

Native speaker of Japanese

Extracurricular Activities

Backpacking in India, Nepal, United Kingdom, Canada and Denmark

Skiing Instructor for elementary school students

Reference

Norihiko Shinomiya

Professor in Faculty of Engineering, Soka University

Japan Chapter Secretary, IEEE Circuits and Systems Society (2012 - 2013)

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