

Curriculum Vitae

Genya Ishigaki

Ph.D. student (Computer Science)
the Erik Jonsson School of Engineering &
Computer Science
Dept. of Computer Science
the University of Texas at Dallas

Address: Erik Jonsson School of Engineering &
Computer Science, EC32
The University of Texas at Dallas
800 W Campbell Rd
Richardson, TX 75080-3021
Email: Genya.Ishigaki@utdallas.edu

Education

- August, 2016 -** Ph.D. student (Computer Science) at the University of Texas at Dallas
the Erik Jonsson School of Engineering & Computer Science
under the guidance of Prof. Jason P. Jue
- March, 2016** Master of Science in Engineering from Soka University (Computer Science major)
GPA **4.0** / 4.0, Networking Laboratory
- March, 2014** Bachelor of Science in Engineering from Soka University (Computer Science major)
GPA **3.95** / 4.0, Networking Laboratory
- Summer, 2013** Visiting student researcher at the University of California, Irvine
under the guidance of Prof. Lubomir Bic

Experiences

- 2015 -** IEEE Tokyo Young Professionals (YPs) committee
- 2014 - 2016** Teaching Assistant at Soka University
(Introduction to programming, Linear programming, Graph theory seminar)

Research Interests

Network Design, Graph Theory, Distributed Algorithms, Combinatorial optimization

Honors and Awards

Full Scholarship for Ph.D. Study funded by Jpn. Govt. (full tuition and living expenses for 3 years)
Full Scholarship for Master Study funded by JASSO (for 2 years)

NEC C&C Foundation Travel Grant (2nd term of Fiscal 2015) for ICNC2016

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

Top Graduate of Dept. of Information Systems Science (class of 2014, Soka University)

Tuition Merit Scholarship from Soka University (2010 - 2014)

Honor Student of Soka University (2010, 2011, 2012, 2013)

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 Resilient Tree in a Network with Intermittent Links Based on Stress Centrality*," Computers and Communication (ISCC), 2016 IEEE Symposium on, Jun. 2016.

Computer Skills

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

Languages

TOEFL iBT **105** (October, 2015), TOEIC **960** (December, 2014), Native speaker of Japanese

Reference

Jason P. Jue Ph.D.

Professor in Dept. of Computer Science at the University of Texas at Dallas

Email: jjue@utdallas.edu

Office Address: ECSS 4.408, 800 West Campbell Road, EC 31 Richardson, TX 75080-3021

Norihiko Shinomiya Ph.D.

Professor in Faculty of Science and Engineering, Soka University

Email: shinomi@soka.ac.jp

Office Address: F505, 1-236 Tangi-cho, Hachioji-shi, Tokyo, Japan 192-8577