

Duc A. Hoang

Curriculum Vitae

Japan Advanced Institute of Science and Technology
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The current CV was updated on February 22, 2017.

Personal Information

Full name (Vietnamese) Hoàng Anh Đức.
Name (in publications) Duc A. Hoang.
Nationality Vietnamese.
Date of birth November 19, 1990.
Gender Male.

Education

- 2015 **Master Degree in Information Science**, Japan Advanced Institute of Science and Technology, Ishikawa, Japan.
Supervisor: [Ryuhei UEHARA](#)
Thesis Title: The independent set reconfiguration problem on some restricted graphs (Defended on February 17, 2015)
- 2013 **Bachelor Degree in Mathematics**, VNU University of Science, Hanoi, Vietnam.
Thesis Advisor: [Thi Ha Duong PHAN](#)
Thesis Title: The matrix-tree theorem and some related problems (Defended on September 08, 2012)

Research Interests

theoretical computer science, especially on developing algorithms for graph problems, specializing on combinatorial reconfiguration problems.

Positions

April 01 – July 08, 2016 *Visiting Student* at Algorithm Theory Lab, Graduate School of Information Sciences, Tohoku University, Japan. Host: [Xiao ZHOU](#) and [Takehiro ITO](#).

Awards

March 2015 JAIST's [Outstanding Performance Award](#) for master's students.

Publications

Journal

- 2015 Erik D. Demaine, Martin L. Demaine, Eli Fox-Epstein, Duc A. Hoang, Takehiro Ito, Hirotaka Ono, Yota Otachi, Ryuhei Uehara, and Takeshi Yamada. [Linear-time algorithm for sliding tokens on trees](#). *Theoretical Computer Science*, 600:132–142, 2015.

International Conference

- 2017 Duc A. Hoang, Eli Fox-Epstein, and Ryuhei Uehara. [Sliding tokens on block graphs](#). In Sheung-Hung Poon, Md. Saidur Rahman, and Hsu-Chun Yen, editors, *Proceedings of WALCOM 2017*, pages 460–471. Springer, 2017.

- 2016 Duc A. Hoang and Ryuhei Uehara. [Sliding tokens on a cactus](#). In Seok-Hee Hong, editor, *Proceedings of ISAAC 2016*, volume 64 of *LIPICs*, pages 37:1–37:26. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, 2016.
- 2015 Eli Fox-Epstein, Duc A. Hoang, Yota Otachi, and Ryuhei Uehara. [Sliding token on bipartite permutation graphs](#). In Khaled Elbassioni and Kazuhisa Makino, editors, *Proceedings of ISAAC 2015*, volume 9472 of *LNCS*, pages 237–247. Springer, 2015.
- 2014 Erik D. Demaine, Martin L. Demaine, Eli Fox-Epstein, Duc A. Hoang, Takehiro Ito, Hirotaka Ono, Yota Otachi, Ryuhei Uehara, and Takeshi Yamada. [Polynomial-time algorithm for sliding tokens on trees](#). In Hee-Kap Ahn and Chan-Su Shin, editors, *Proceedings of ISAAC 2014*, volume 8889 of *LNCS*, pages 389–400. Springer, 2014.
- [Thesis/Dissertation](#)
- 2015 Duc A. Hoang. [The independent set reconfiguration problem on some restricted graphs](#). Master's thesis, Japan Advanced Institute of Science and Technology, March 2015.