

船井情報科学振興財団 留学報告書 2015 年 06 月

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Publication I report my recent publications that I wrote as an MIT PhD student:

[Kenji Kawaguchi, Leslie Pack Kaelbling, and Tomás Lozano-Pérez. Bayesian Optimization with Exponential Convergence. In *Advances in Neural Information Processing \(NIPS\)*, 2015.](#)

[Kenji Kawaguchi. Bounded Optimal Exploration in MDP. In *Proceedings of the 30th AAAI Conference on Artificial Intelligence \(AAAI\)*, 2016.](#) (To Appear)

Life at MIT I am a member of the Learning and Intelligent Systems (LIS) group (<http://lis.csail.mit.edu/new/>) which is a part of the Computer Science and Artificial Intelligence (CSAIL) laboratory (<https://www.csail.mit.edu/>). CSAIL is located inside the Ray and Maria Stata Center, which is one of MIT's more famous buildings. My workspace is on the fourth floor and I have a nice view of Vassar and Main St, which was recently voted the "world's most innovative intersection" by Wired Magazine, UK. (<http://www.wired.co.uk/magazine/archive/2015/11/ideas-bank/vassar-main-cambridge-massachusetts-innovaton>).



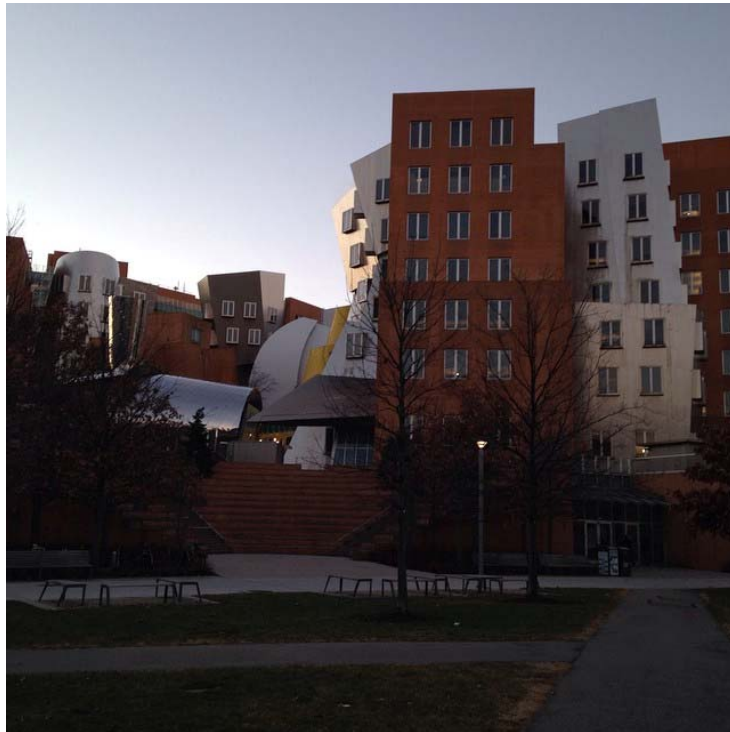
Stata (which is what most people call the strange shaped building) is where I spend most of my time. I have meetings with my advisors, work on my research, and attend study groups there. I usually eat lunch in the café on the first floor which has an amazing selection of food for a great price! If you explore Stata you can see any number of things from robots, to giant chess boards. A lot of amazing

work is being done in Stata, and the building has a very interesting history.

Stata is one of MIT's more common "attractions". In general, MIT draws a lot of tourists, and many of them seem to visit Stata. Interestingly Stata now sits on the previous site of Building 20, MIT's original radiation laboratory. Building 20 was a temporary building used during WWII. When Stata was first designed the architect wanted to carry on the "innovative and serendipitous spirit" of Building 20. (<http://web.mit.edu/facilities/construction/completed/stata.html>) The current shape of Stata looks rather odd at first, but it was designed this way to encourage those working inside to think outside the box.



Stata is definitely one of MIT's more interesting buildings! Aside from how it looks and what its history is like, I am grateful to be able to work inside it, alongside some of the best researchers in the field.



船井情報科学振興財団には心より感謝しております。本当にありがとうございます。