

Next-generation Operating Systems Lab

Starting at NOSLab

Donghyun Kang

Dongguk University

Starting guide

- Create your account and personal web page
 - Please use your English name rather than nickname for your official account
 - If you don't have a personal web page, then create it based on Github and create a link for the personal web page in the People page
- Share your information to Prof. Donghyun Kang
 - Account
 - Slack, Git, Overleaf, Google, Dropbox
 - Other
 - Personal phone number
 - Time table of every semester

Setup

- We give you one desktop machine and two monitors for just research
- Setup your desk and machines
 - Install Linux machine based on Ubuntu (not up-to-date version)
 - <https://ubuntu.com/download>
 - Set up your network environments
- Install tools for research
 - Install a LaTeX distribution on your machines
 - Install the gnuplot or matplotlib to make a graph on Linux machine
 - Install tmux, ctags, cscope on Linux machine

Reading seminar

- We have a regular meeting to keep the up-to-date theories or methodologies from the paper that you read (about 1 hour every other week)
- Please find a paper what you will read and update relative information of the paper to the Reading Seminar page
 - You should share the paper to Prof. Donghyun Kang 5 days before the update

Reading seminar

- Guide for reading a paper

- Start by reading only the conclusion, scanning figures & tables, and looking at their references
- Watch presentation video and slide on the website
- Read the paper and skip the sections that you already understand
- Find worth reading
 - What problem are they trying to solve?
 - What is their approach?
 - How is it different from other approaches?
- Summarize what you have read
 - Key problems, relationship among the various approaches, and alternative approaches
- Make slide for presentation of seminar

Research meeting

- We have a regular meeting to give you research motivation and to make research progress (about 1 hour every other week)
- Prepare for your research meetings
 - List of topics to discuss
 - Plan for what you hope to get out of the meeting
 - Summary of you have done since your last meeting
 - List of any upcoming deadlines for submitting conference or journal
 - Notes from your previous meeting

Feynman Algorithm

- Write down the problem.
- Think real hard.
- Write down the solution.

Minimum requirements for NOSLab students

- Ph. D. degree
 - International conference / SCI journal papers (co-author) : 8 publication
 - Minimum requirements for Gachon University
- Master degree
 - International conference / SCI journal papers (co-author) : 3 publication
 - Minimum requirements for Gachon University
- Undergraduate intern (summer / winter)
 - You should join every seminar and research meeting with a presentation