

Next-generation Operating Systems Lab

# Starting at NOSLab

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# Starting guide

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- 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

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- 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

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- 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

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- 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

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- 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

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

# Minimum requirements for NOSLab students

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



# Target Conference

- The first half of the year (H1)

Conference name	Submission due	Conference date	# of pages
SIGMETRICS	January	July	20
ISLPED	March	August	6
EMSOFT	March	October	12
HotStorage	April	July	5
MASCOTS	May	October	8
Apsys	May	October	5
Systor	May	September	5/12
CLUSTER	May	September	10
SAC	June	March	4/8

# Target Conference

- The second half of the year (H2)

Conference name	Submission due	Conference date	# of pages
EuroSys	May/September	April	12
FAST	March/September	February	6 / 12
DATE	September	April	6
IPDPS	October	May	10
DAC	November	July	6
Middleware	June/December	December	12
Mobisys	December	June	12
ISPASS	December	April	9
CCGrid	December	May	10