Introduction to Computer Architecture

Assignment/Presentation 1

Due October 29, 2018
08:00AM - 12:15AM, Room 502, Cao Guangbiao Building East Wing

Theme: What You Didn't Know (That Much) about Computer Architecture

Goal: Stop taking computer architecture for granted
WOW the class with how much it takes for computer architecture design.

Duration:
10 min / group
*group lists are enclosed, each group member should present part of the talk

Topic:
Instruction, Pipelining, Memory, Cache, Storage, Multiprocessor,
Compilation, Energy, Power, etc.

Coverage:
Choose one topic of your interest, browse the 2017/8 programs of the following conferences:

MICRO, ISCA, HPCA, ASPLOS

Pinpoint a specific research problem of your interested topic;
Read all related papers published in 2017/8 at the above four top conferences;

Key:
research problem
significance
background
ideas
benefits
pros & cons

Language:
Written&Oral English

Bonus!!!
TBD… for the best presentation group (upon anonymous voting in qq group)

References:
How to Given a Great Research Talk
Creating Effective Slides: Design, Construction, and Use in Science

*Groups:

01		02		03		04		05		06
陈　莫		谭钦翰		陈子荟		张耀予		钱诚亮		唐小虎
孙　路		杨础光		**林奇恒**		谢子豪		**金晴川**		**陶新野**
顾继庠		**徐延成**		**吴涵杰**		张灵峰		张　倩		**叶大源**
顾继甯		**徐延康**		**洪暖欣**		陈淇奥		张济远		**林锦铿**
许子骏		徐鸿嘉		**施侃迪**		刘晓语		赵瀚清		**袁　婷**

07		08		09	10
贺俏敏		**李　文**		钱已澄	**魏耀东**
唐　放		**姜增凯**		**吴　璇**	张文龙
杨　昆		刘秉贤		**徐　亮**	马　麟
李禹璁		马润杰		CHUPRINA ANASTASIIA MIKHAILOVNA	**黄怡璠**
余亚鑫		**李宏哲**		杨　隽	XIONG FERDINAND SHUYU
		杨玄达		王义泽	**戚浙拓**