Introduction to Computer Architecture

Assignment/Presentation 1

Due October 19, 2020
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:
25 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 2019/2020 programs of the following
conferences:
    MICRO, ISCA, HPCA, ASPLOS
Pinpoint a specific research problem of your interested topic;
Read all related papers published in 2019/2020 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:
Tips for Giving Clear Talks
How to Give a Great Research Talk
Creating Effective Slides: Design, Construction, and Use in Science

*Groups:

01	02	03	04	05
黄彦玮	郭航溢	俞安彤	鞠紫盈	曹雨萱
徐　震	麦昌楷	赵子豪	卢子焰	施含容
王浚哲	陈九润	葛　浩	诸恬远	许　然
钱　隆	傅淄洋	张金露	吴沁珊	李俊松
田　原	武广源	袁洲航	胡皓宇	谢　宁
曾一欣	黎睿翔	周思颖	杨易龙	周浩洋
贺情怡	郭航溢	刘佳琪	张潇予	张佳文

06	07	08	09	10
范安东	唐子豪	李晟豪	江宇晴	吴冠达
薛　伟	顾核金	周家瑞	陶佳恒	孙一哲
董嘉华	孔潇祎	傅一超	许师哲	孙于益
刘隽良	黄思蔚	郝光源	息　震	
陈　希	狄志鹏	吴雨涵	宋天宇	
王祚滨	浦竞文	陈毅俊成	陈希尧	
吕雪妍	刘星烨	张凌铭	竺　捷	
	胡丽雅	曾涵维	李国耀	