

Introduction to Computer Architecture

Assignment/Presentation 1

Due October 12, 2019

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:

15 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 2018/9 programs of the following conferences:

MICRO, ISCA, HPCA, ASPLOS

Pinpoint a specific research problem of your interested topic;

Read all related papers published in 2018/9 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
黄昊翔	赵瀚清	路伊琳	钟嘉农	方誉州	朱璟森
赵 晨	廖天一	王彦皓	陈 欢	胡小麦	上官越
李 响	杨文卓	王旌权	刘锡安	谢金唯	黄思泳
魏一鸣	晏 港	徐鹏程	邹子煜	王 玥	周名弦
高 震	吴玉姣	包文鼎	董鑫远	余瑞璟	彭嘉伟
张童童	任启岚	邬树辉	夏林轩	张震铄	刘开元
07	08	09	10	11	12
潘启璠	黄 山	李国昌	杨淑峰	VOJTECH JAROS	
漆翔宇	吴奕谦	武靖超	盖竞泽	陈益扬	左文杰
张品涵	陈婉仪	陈科皓	宋子杰	缪晨露	黄铁强
谷江飒	杨钰茹	李浩宇	胡诗韵	郑泽晖	黄子安
赵 宁	孙浩然	张 淼	张彦哲	朱松柏	沈韬立
高辰翔	郭 昃	纪岳天思	林家丰	王士杰	裴弈心
			李俊贤	周雨池	毛文涵
					沈 刻