

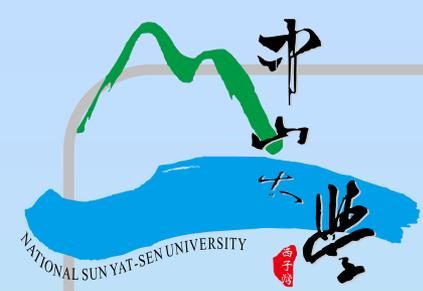
Information Session on Independent Studies

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您畢業後想做到什麼?

*What would you **WANT** to
achieve after graduation?*

Achievement Goals

- *High-paid* job in renowned companies (i.e. TSMC, Citadel)
獲得知名企業的**高薪**工作 (例如: 台積電, Citadel)

經濟日報 > 國際 > 國際焦點

從6.9萬名申請者中挑選實習生 Citadel尋找的是數學天才



億萬富豪Ken Griffin在Citadel和Citadel Securities LLC的得力干將，從69,000名申請者中精挑細選了這些少數幸運兒來公司實習，這家金融巨頭希望藉此發掘下一代數學和電腦天才。路透

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Achievement Goals (Cont'd)

- Graduate study with scholarship/studentship in *top* research teams at *world renowned* universities (i.e. USC, NTU)
獲得獎助學金在 *世界知名大學* (例如: 南加大、臺大) 內的 *頂尖* 研究團隊進行研究學習

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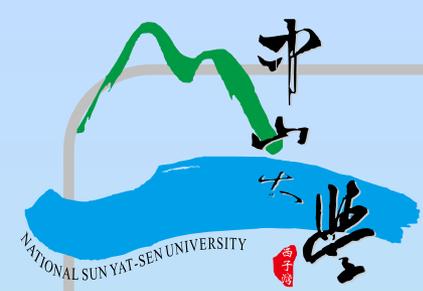
DFFR: A flow-based approach for distributed load balancing in Data Center Networks[☆]



Chung-Ming Cheung^{*,a}, Ka-Cheong Leung^b

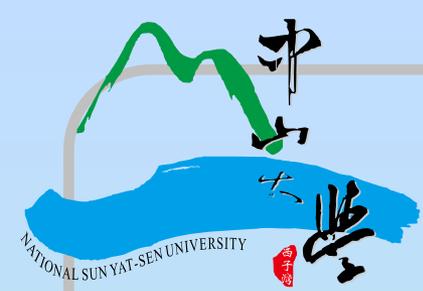
^a Department of Computer Science, University of Southern California, Los Angeles, CA 90089, United States
^b Department of Electrical and Electronic Engineering, The University of Hong Kong, Pokfulam Road, Hong Kong, China

- My FYP student: HKU (B.Eng) → USC (Ph.D.) → NVIDIA



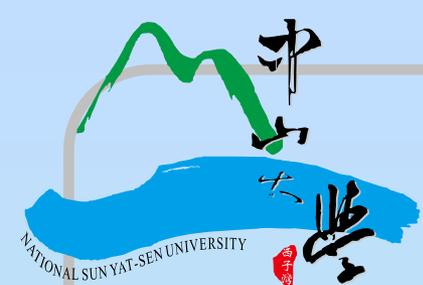
Skillsets Needed

- Importance (in decreasing order):
 - *proactive*, hard-working, *strong* sense of responsibility
 - capable of acquiring *new* knowledge
 - excellent analytical and problem-solving skills
 - excellent proficiency in Mathematics
 - *fluent* in English (read, write, speak, listen)
 - *strong* technical and systems knowledge, including computer and programming skills
 - good interpersonal skills
- ❖ If you have a **strong desire to equip them**,
read next



Network Science Laboratory

- Newly re-established laboratory at NSYSU ICE
(URL: nslab.nsysu.edu.tw)
 - focus on advancing understanding and development of **cutting edge research** in network science
 - study complex network representations in all forms (e.g. computer and communications networks, smart electrical grids)
 - lead to **predictive models and insights**
 - how networks behave and evolve => system understanding
 - employed for **development of engineering solutions** to problems in communications and power systems

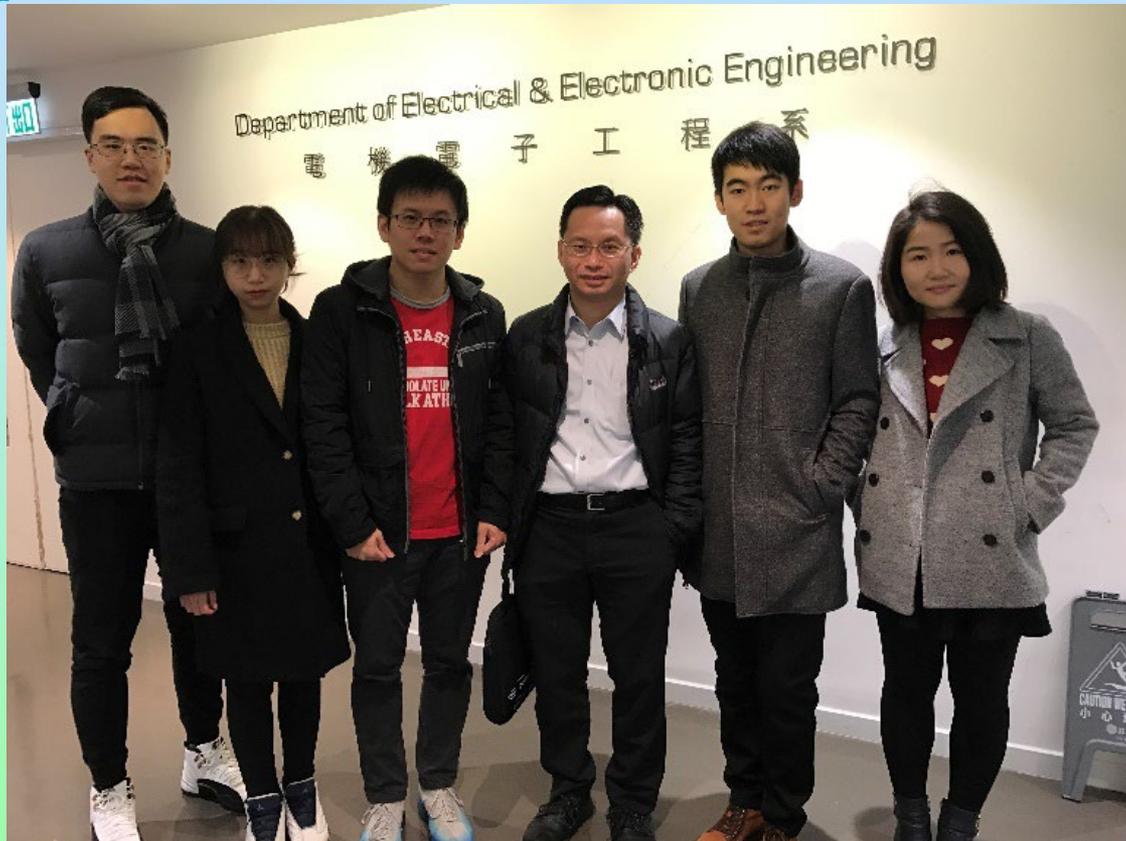


梁家昌 (LEUNG, Ka-Cheong)



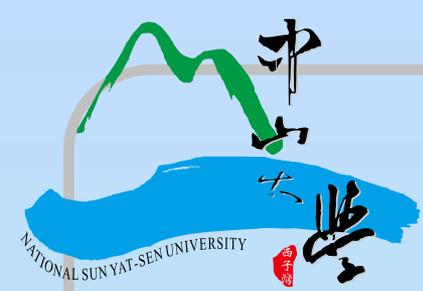
- Position: *Associate Professor*
 - Ph.D. (Computer Engineering) *University of Southern California*
 - Past teaching experience:
 - Texas Tech University (Sep. 2002 – May 2005)
 - The University of Hong Kong (Jun. 2005 – Aug. 2019)
 - Harbin Institute of Technology, Shenzhen (Sep. 2019 – Aug. 2022)
 - Research areas: future Internet, smart grid, smart city, machine learning, wireless communications, AI applications in networking and smart grids
- *Research profile: (URL: nslab.nsysu.edu.tw/kcleung)*
 - IEEE SIG on Intelligent Internet Edge: *subarea-chair*
 - *Associate editor*
 - 1) IEEE Systems Journal 2) ACM/Springer Wireless Networks
 - 3) IEEE Transactions on Intelligent Transportation Systems
 - IEEE Transactions on Network Science and Engineering (Special issue)
 - Publications: journal: 47, conference: 58, book chapters: 2, patents: 5
 - Research grants:
 - PI: 4 funded projects (TWD 8M equivalent); Co-I: 7 funded projects (TWD 210M equivalent)

Research Team



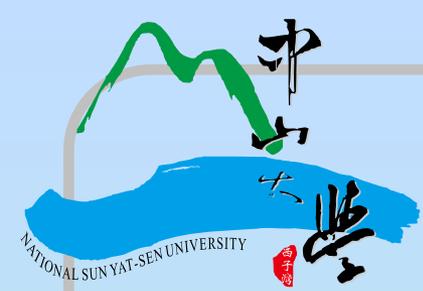
➤ Graduate student supervision (Graduated)

- HKU: 8 (Ph.D.), 1 (M.Phil.)
- HITSZ: 1 (Master)



Research Team Recruitment

- Wanna to join my research team?
 - **e-mail me** your application with the following:
 - your CV
 - your academic transcript
 - brief account about your academic/career goals after graduation, and what you plan to learn and achieve when you become a member of my research team
 - feel free to e-mail me for further information
- ❖ Successful applicant
 - admitted as **official member** in my research laboratory
 - offer you **world-class** research training
 - **financial support / incentives**: based on research performance



Thanks!

Q&A