

Motivation Letter TEEP@AsiaPlus

I want to be a researcher in wireless communications field. I really enjoy my coursework related to communication system, wireless communication, and signal processing. In order to be a researcher, studying coursework is not enough, I must have research experiences in wireless communications field.

Joining TEEP program will be a breakthrough for me, it will be a big opportunity to enhance my research skill in wireless communications field since Prof. Ray-Guang Cheng's research in 5G random access procedure matches my research interest.

I believe Machine-type-communications will play an important role in future communications and choosing the best algorithm to support Machine-type communications will be very important thing to consider.

During internship in NTUST, I want to learn how to design enhanced random-access protocol and dynamic random-access-opportunities, and hopefully by the end of my Internship, I can propose new efficient algorithm that can maximize transmission-efficiency and reduce channel delay.

Researching about 5G Networks in NTUST will be an important step and a foundation for me to contribute more in the next-generation wireless networks field. I hope after joining TEEP research internship in NTUST, I can produce more advanced research output for my undergraduate research thesis and for my future research career as a research student in master or PhD program.

In addition, I also want to promote the research environment in NTUST and the importance of research to my colleagues in Indonesia as most of my colleagues don't realize the importance of research and don't know about the research environment outside Indonesia especially in NTUST.

Why?

I plan to pursue master or direct PhD degree abroad, and Taiwan is one of my consideration since Taiwan's research is advanced and has a strong relationship between industry and academia.

What would be the incentives that you like to have to study in NTUST?

I know my senior who was a master student at NTUST and now he is a PhD candidate in University of Chicago. It shows that NTUST has good international reputation and good research environment.