

IGS Scholar's Name: Wang Jin
Research Centre: ERIAN

- 1. Your current employment details (Designation, name of company, country and scope of work)**
Currently, I am working as a part-time research associate at SPMS of NTU. My research work is focusing on the design of metal sulfides for energy storage and conversion. After one year's work, I will go back to China and start to work as a faculty at Nanjing Tech University.
- 2. What motivates or trigger you to pursue a doctorate?**
I am very eager to be a faculty at university due to the flexibility of working time and good working environment.
- 3. Why or how did you decide to apply to IGS or the interdisciplinary route of research?**
IGS provides many attractive support for student, for example the conference support and scholarship. Besides, the interdisciplinary research is another attractive factor for me.
- 4. What is your thesis about?**
My thesis work systematically investigated metal sulfides with engineered nanostructures as prospective electrodes for energy storage and conversion devices with good performance, high stability, and excellent safety.
- 5. Why did you choose this topic and how does it benefit people or industries globally or internationally?**
I choose this topic as it is a hot topic due to the increased development and high potential for energy storage applications. My thesis results have contributed to a comprehensive understanding of the interplay between the structure and performance in different energy storage and conversion systems.
- 6. What kind of interaction did you have in IGS? How did that help you?**
IGS have provided me a superior environment for learning interdisciplinary research topics. For example, I can take the courses from SPMS and MSE. I can also use the equipment that are available at the two schools.
- 7. What are the challenges you faced during the candidature and how did you overcome it?**
At the first year of PHD, I was exhausted as I was afraid of the failure of projects and QE. I was hard-working for the project and collaborated with group members during the beginning times.
- 8. What was your proudest moment or fondest memories over the years of candidature? E.g awards, overseas conference, patent, published papers, etc.**
My fondest memories includes I was awarded "MRS Yong Scientist Award" and "Chinese government award for outstanding self-financed students abroad" during my PHD career.
- 9. What do you think are the attributes for PhD students to successfully go through the 4 years?**
Hard-working and persevering.
- 10. Please share 1 key motivational/ key take away message with your juniors?**
Don't give up.

11. How does it feel like when you received the scholarship offer?

I am appreciated the scholarship offered from IGS and I feel the obligation to be a good PhD researcher.

12. What will you miss after graduating?

I will miss group members, IGS's staffs and IGS's activities, especially some gathering activities.

13. What is your next adventure / challenge or any plans for the future?

I will work as a faculty at Nanjing Tech University at Nanjing, China after completing the research work at NTU. I will set up a new lab and start my own research group. The challenge for me is to balance the family and career.

14. Is there anything you want to say to your family, supervisors, mentors, friends or anybody?

I really appreciate the persistent support from my supervisor and co-supervisor since they always respect my research project and encourage me whenever I encounter difficulty. I learn a lot from them not only the academic research, but also about how to be a professional scientist.