

# Seeking excellent postdocs and RAs

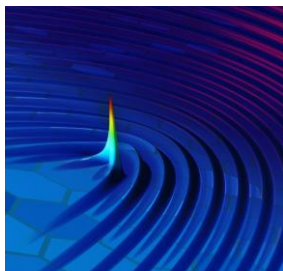
keen to push the frontiers of free-electron-driven photonics  
in emerging materials

## Requirements

- PhD for postdocs; Bachelor's or Master's for Research Assistants (RAs)
- Experience with state-of-the-art [electron sources](#) (e.g., TEM, SEM, Time-resolved cathodoluminescence microscope); *or* strong theoretical and computation ability.
- Strong background in photonics
- Self-motivated and disciplined
- Able to work well individually and also in a team
- Excellent scientific communications skills

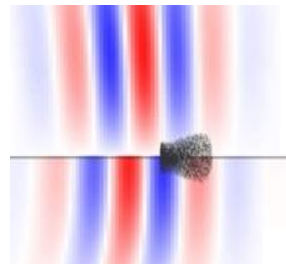
*Interested candidates should send their CV, full academic transcripts and the contacts of 3 references to Prof. Liang Jie Wong ([liangjie.wong@ntu.edu.sg](mailto:liangjie.wong@ntu.edu.sg))*

## Research Topics



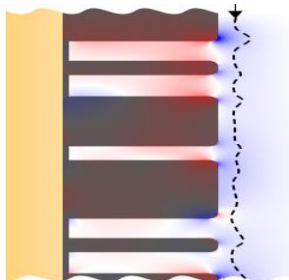
2D materials-based X-ray sources

[Nat. Photonics](#)  
[Nat. Phys.](#)  
[Nat. Photonics](#)  
(accepted)



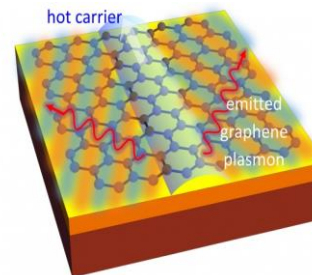
Light and electron waveshaping

[Adv. Sci.](#)  
[ACS Photon.](#)  
[ACS Photon.](#)



Metamaterial shaping of free electron radiation

[Light-Sci. Appl.](#)  
[Adv. Sci.](#)



Plasmon-enhanced electricity-light conversion

[Nat. Commun.](#)  
[Phys. Rev. Lett.](#)

Group website: <https://sites.google.com/view/ljwgroup>

<https://sg.linkedin.com/in/liang-jie-wong-795860193>



**Nanyang Technological University, Singapore**

- #11 in the world
- #6 in engineering and technology in the world

Source: QS World University Rankings 2019

Scan Me

