

Nano-Photonics Laboratory Recruiting Postgraduate students (Master, Ph.D)

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- Group Homepage: <http://npl.gachon.ac.kr>

We are recruiting prospective students who will work in the Nanophotonics Laboratory, Gachon University, Korea, for the Ph.D or Master degree. The candidate students will start his/her work, Sep. 1, 2024. The research areas will be including but not limited to:

- (1) Plasmon-induced hot carriers based optoelectronic devices such as photodetectors, display device and solar cells
 - (2) Plasmonic optical devices for biomedical immunoassay of estradiol and testosterone
 - (3) Quantum dots-plasmon coupling based optoelectronic devices
- Individual members of my group will be guided to conduct research for publication in SCI(E) journals for his/her graduation
 - A list of benefits for a postgraduate student
 - ✓ Full scholarship that covers the tuition fee (5,000 USD per semester for Ph.D or Master course) during whole period of the degree course
 - ✓ Monthly salary during the degree course:
 - 1,000,000 Korean won (746 USD) (plus α up to 500,000 won) per month for a Ph.D student
 - 800,000 Korean won (600 USD) (plus α up to 400,000 won) per month for a MS student
 - ✓ Expected starting date of the course: Sep. 1, 2024
 - ✓ Expected duration of the course (minimum of 3 years for Ph.D, 2 years for Master degree)
 - ✓ Incentives (extra-income) will be given depending on a student's progress
 - ✓ A desk, a chair and a personal computer with an internet network will be offered on an individual basis
 - ✓ Please refer to the group website (<http://npl.gachon.ac.kr>) for additional info. of the lab. Equipments, facilities that you can access for your research
 - ✓ Applicants who have background knowledge of physics, material science and chemistry, electrical engineering, electronics are encouraged to apply)
 - Online application can be made (application fee of 120,000 Korean won) at <https://bank1.jinhakapply.com/ApplyV8/Wonsoe/Yui/Yui100262.aspx?UnivServiceID=100262&GunID=4>
 - The English proficiency test score (TOEFL IBT 71, TOEFL PBT 530, or IELTS 5.5): A candidate unable to submit it within the application period can be admitted on a condition that he/she needs to submit it within one semester of entrance (Feb. 25).
 - A successful candidate will send an application package until April 22, 2024 (first-round recruitment), or June 17 (second-round recruitment) 2024 for application to the address given in the above-URL-link
 - For more information about application and research activities, please feel free to contact me to inquire any question by emailing Prof. Heongkyu Ju at batu@gachon.ac.kr