

## YR 2017 Fall Semester, ITS Graduates Recruitment

No.	Dept(major)	Prof.'s Name	Research Field	Recruiting No. of Students	Supporting Research Grants(per month)	Laboratory Homepage
1		Dong-Geun Lee	Nanoparticle monitoring in semiconductor fabrication processes; Filter-free treatment of ultrafine particles including PM2.5	1 Ph.D	1,100 USD	<a href="http://npt.pusan.ac.kr">http://npt.pusan.ac.kr</a>
2	Mechanical Engineering	Yoo-jung No	1) Uncertainty quantification in mechanical systems Statistical modeling, surrogate modeling, design of experiments 2) Design under uncertainties with lack of information Reliability analysis, robustness analysis, reliability or robustness based design optimization 3) Computational mechanics Structural analysis, fluid structure interaction analysis, design optimization using CFD analysis and surrogate models 4) Verification, validation and calibration	1 Master, 1 Ph.D	Ms : 600 ~ 800 USD Ph.D : 800 ~ 1,100 USD	<a href="http://romana0323.wikisite.com/rbdo">http://romana0323.wikisite.com/rbdo</a>
3		Geum-Sik Hong	Bio-robotics, Brain Engineering, Biomedical Engineering	2 Ph.Ds	800 ~ 1,100 USD	<a href="http://cogno.pusan.ac.kr">http://cogno.pusan.ac.kr</a>
4		Ho-Won Kim	Internet of Things(IoT), AI(Machine Learning, Deep Learning), Information Security, Cryptography, WoT(Web of Things), VLSI chip/FPGA chip	5 Ph.Ds	1,700~ 1,900 USD	<a href="http://infosec.pusan.ac.kr">http://infosec.pusan.ac.kr</a>
5	Computer Science and Engineering	Yoon-Ho Choi	Wireless Network Security, IoT Security, Mobile Security, Vehicular Network Security, System Security	1 Master	600 ~ 800 USD	<a href="http://sec.pusan.ac.kr/">http://sec.pusan.ac.kr/</a>
6		Heung-Suk Chae	Software Testing, Object-oriented Design	1 Ph.D	800 ~ 1,100 USD	<a href="http://square.cse.pusan.ac.kr/">http://square.cse.pusan.ac.kr/</a>
7	Chemical and Biomolecular Engineering Major	Gyu Hyun	Our main research focuses on complex fluids or soft matter systems e.g. polymer melt, polymer blend, polymer composites, suspension, emulsions, and hydro-gel under various deformations (steady shear, oscillatory shear, extensional, and squeezing flow). Main topic is Rheology.	1 Ph.D	Ms : 600 ~ 800 USD Ph.D : 800 ~ 1,100 USD	<a href="http://rheology.pusan.ac.kr/">http://rheology.pusan.ac.kr/</a>
8		Yong-Chul Jung	Molecular simulation of gas separation and storage in nanoporous materials	1 Ph.D	1,100 USD	<a href="http://gregchung.github.io">http://gregchung.github.io</a>
9	Environmental Engineering Major	Tae-Ho Lee	Biological Wastewater Treatment	1 Master	600 ~ 700 USD	<a href="http://leme.pusan.ac.kr/">http://leme.pusan.ac.kr/</a>
10		Guk Cho	1. environmental remediation using nanoparticles (heavy metals and radionuclides by sorption; organics by photocatalysis) 2. capture, monitoring, and analysis of PM2.5	1 Ph.D or 1 Integrated Master-Ph.D	Ms : 600 ~ 800 USD Ph.D : 800 ~ 1,100 USD	<a href="https://sites.google.com/site/kcho73">sites.google.com/site/kcho73</a>
11	Material Science and Engineering	Yong-Rae Jo	Thin film technology, Surface Engineering	1 Ph.D	800 USD	<a href="http://iel.or.kr">http://iel.or.kr</a>
12		Se-Hoon Kwon	Atomic Layer Deposition, Catalyst, Nano-membrane	1 Ph.D or 1 Integrated	800 ~ 1,100 USD	<a href="http://www.sml.or.kr">http://www.sml.or.kr</a>
13	Industrial Engineering	Kyu-Min Lee	Industrial Engineering, Operations Research, Computer Science, Optimization and Simulation, Information Systems	2 Ph.Ds, 1 Master	Ms : 800~ 1,300 USD Ph.D : 1,300~1,450 USD	<a href="http://ecolab.pusan.ac.kr">http://ecolab.pusan.ac.kr</a>

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