

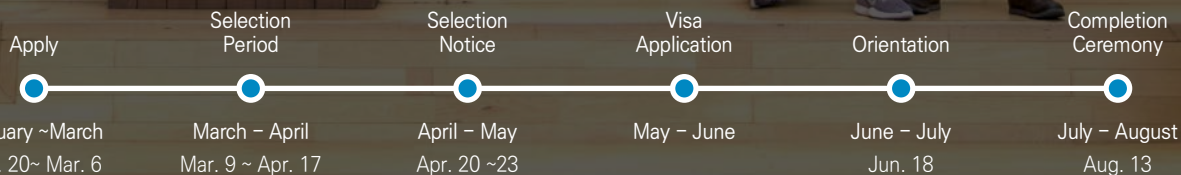


2020 Global Intern Program

ipa.gist.ac.kr



2020 GIP Timeline



Host

Gwangju Institute of Science and Technology (GIST)



Apply

January 20, 2020 – March 6, 2020



Program Period

June 18, 2020 – August 13, 2020 (8 weeks)



Founded in 1993,

GIST has grown over the past two decades to include an ever diverse group of talented students and prominent professors from around the world with the goal of becoming a top-tier global university by 2035. As an innovative research-oriented institute, GIST ranked 5th in the world in Citations per Faculty in the QS World University Ranking in 2019.

What is GIP?

The Global Intern Program(GIP) offers students from countries around the world an opportunity to experience research at GIST by having you join a research lab for eight-weeks during the summer. Since 2008, over 340 international students have gained both theoretical knowledge and practical training in research through the GIP program.

Eligibility for GIP

- * International undergraduate students who are currently **seniors** and to students enrolled in **Master's Program**
- * A GPA of 3.0 or above

How to Apply

1 Complete Online Application

- Go to <https://ipa.gist.ac.kr/>
- Create an account with your email address
- Fill in online application form
- Select two preferred laboratories and upload a research plan to complete the application

2 Upload Required Documents

- Original(Official) Degree Certificates (Proof of Enrollment and/or Graduation Certificate)
- Original(Official) Transcripts; All in English
- Letter of Recommendation
- English Language Proficiency Test Result (or certificate stating the language/medium of instruction is English)



Research at the Laboratory

School of Electrical Engineering and Computer Science

- Audio Intelligence Technology & Research Lab(AiTeR) (Prof. Kim, Hong Kook) <https://aiter.gist.ac.kr>
- Computational Systems Biology Lab (Prof. Nam, Hojung) <https://www.csblgist.net>
- Wired and Wireless Communication Systems Lab(W2C System) (Prof. Park, Chang-Soo) <https://www-ocl.gist.ac.kr/>
- Integrated Nanophotonics Lab (Prof. Seok, Tae Joon) <https://sites.google.com/view/inpl>
- Flexible OptoElectronics Lab (Prof. Song, Young Min) <https://www.gist-foel.net>
- High-Speed Integrated Circuit Lab (Prof. Song, Jong-in) <https://eeecs.gist.ac.kr/speed/index.do>
- Multimedia Signal Processing Lab (Prof. Shin, Jongwon) <https://mspl.gist.ac.kr>
- Communication and Information Science Lab (Prof. Nam Yul Yu) <https://sites.google.com/site/informationsciencelab/members>
- Solid-State Lighting Lab (Prof. Lee, Dong-Seon) <https://eeecs.gist.ac.kr/ssll/index.do>
- Integrated Circuits and Systems Lab (Prof. Lee, Minjae) <https://sites.google.com/view/icsl>
- Analog and Mixed-Signal Integrated Circuit Design Lab(AMIC) (Prof. Lee, Byung-Geun) https://eeecs.gist.ac.kr/prog/gPerson/analog/P/view.do?siteCode=analog&mno=sub02_00&tmplId=template_c2&personId=P000079
- Applied Optics Lab (Prof. Lee, Byeong Ha) <https://eeecs.gist.ac.kr/aolwebsite/index.do>
- Information sensing, processing, controlling, and NETWORKing(INFO NET) (Prof. Lee, Heung-No) <https://infonet.gist.ac.kr>
- Microwave Optoelectronic Integrated Devices and Systems Lab (Prof. Jang, Jae-Hyung) <https://eeecs.gist.ac.kr/midas/index.do>
- Bio-Computing Lab (Prof. Jun, Sung Chan) <https://biocomput.gist.ac.kr/biocomput/>
- Machine Learning & Vision Lab (Prof. Jeon, Moon gu) <https://sites.google.com/view/mlv/>
- Optical Fiber Device Lab (Prof. Chung, Young joo) <http://ontl.gist.ac.kr>
- Heat-smart Optoelectronics & Phonon Engineering (HOPE) (Prof. Jho, Young-Dahl) <https://hope.gist.ac.kr/>
- The Specialty Optical Fibers Technologies(SOFT) Lab (Prof. Han, Won-Taek) <https://soft.gist.ac.kr>
- Photon Info. Processing Lab (Prof. Ham, Byong Seung) <https://pip.gist.ac.kr>
- Semiconductor Device Simulation Lab (Prof. Hong, Sung-Min) <https://sites.google.com/view/gist-sdsl>





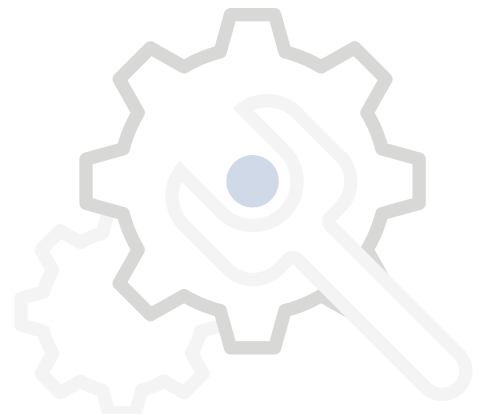
School of Materials Science and Engineering

- Flexible Electronics Lab(FEL) (Prof. Ko, Heung Cho) <https://mse.gist.ac.kr/flexible/index.do>
- Bioinspired and Biointegrated Materials (BIMIL) Lab (Prof. Kwon, Inchan) <https://mse.gist.ac.kr/bimil/index.do>
- Photonics Polymer Lab (PPL) (Prof. Kim, Dong-Yu) <https://mse.gist.ac.kr/ppl/index.do>
- In Situ Nanostructure Processing Lab (INPL) (Prof. Kim, Bong Joong) <http://inpl.kr/index.php>
- Soft Nanomaterials and Energy Lab (Prof. Park, Seong-Ju) <https://mse.gist.ac.kr/snl/index.do>
- Soft Nanomaterials and Energy Lab (SNL) (Prof. Park, Ji-Woong) <https://mse.gist.ac.kr/~snl>
- Electrochemical Energy Systems Lab (Prof. Eom, Kwang Sup) <https://mse.gist.ac.kr/eesl/index.do>
- Bio-Electronics Materials Lab (Prof. Yoon, Myung-Han) <https://sites.google.com/site/gistbioelectronics>
- Smart Hybrid Materials Lab (Prof. Yoon, Tae Ho) <https://mse.gist.ac.kr/smartpolymer/index.do>
- Low-dimensional Electron Systems Lab (Prof. Lee Kayoung) https://mse.gist.ac.kr/klee_lab/index.do
- Organic Semiconductors and Photonics Lab (Prof. Lee, Kwanghee) <https://mse.gist.ac.kr/ospl/index.do>
- Exploratory Hybrid Electronic Device Lab (EXEL) (Prof. Lee, Byoung Hun) <https://mse.gist.ac.kr/exel/index.do>
- Functional Nanostructures and Nanoelectronics Lab (Prof. Lee, Sang han) <https://mse.gist.ac.kr/sanghan/index.do>
- Self-Assembled Organic Nanomaterials Lab (Prof. Lee Eunji) <https://eunjilee99.wixsite.com/so-mat>
- Functional Polymer Synthesis Lab (Prof. Lee, Jae-Suk) <https://mse.gist.ac.kr/fps/index.do>
- Biomimetic Materials Lab (Prof. Lee, Jae Young) <https://sites.google.com/site/biomaterialjyl/home>
- Condensed Matter and Materials Theory(CMAT) Lab (Prof. Lee, Joo-Hyoung) <https://mse.gist.ac.kr/cmat/index.do>
- Advanced Lithography for Integrated Systems Lab (Prof. Jung, Gun-Young) <https://mse.gist.ac.kr/alis/index.do>
- Nano-Spintronics and Magnetic Materials Lab (Prof. Cho, Beong Ki) <https://mse.gist.ac.kr/nsmml/index.do>
- Functional Oxide Nanostructure Lab (Prof. Jo, Ji Young) <https://sites.google.com/view/fun-oxide/home>
- Electrocatalysis and Materials Lab (Prof. Choi, Chang Hyuk) <https://www.emlgist.com/>
- Biomacromolecular Engineering Lab (Prof. Tae, Gi young) <https://mse.gist.ac.kr/bmelsmse/index.do>
- Organic Electrochemistry and Energy Materials Lab (Prof. Yoo Seung Joon) <https://energy.gist.ac.kr/energy/index.do>



School of Mechanical Engineering

- Advanced Power and Energy System Lab (Prof. Kang Sanggyu) <https://apes.gist.ac.kr/apes/index.do>
- Modeling and Simulation Lab (Prof. Ko, Kwang Hee) <https://me.gist.ac.kr/modsim/index.do>
- Microwave Sensing & Imaging Lab (Prof. Kim, Kang Wook) <https://em.gist.ac.kr>
- Sensor and Actuator Lab (Prof. Park, Kyi Hwan) <https://me.gist.ac.kr/sentor/index.do>
- Distributed Control & Autonomous Systems Lab (Prof. Ahn, Hyo Sung) <https://me.gist.ac.kr/dcas/index.do>
- Bio MEMS Lab (Prof. Yang, Sung) <https://me.gist.ac.kr/biomems/index.do>
- Intelligent System Design Lab (Prof. Wang, Se Myung) <https://isd.gist.ac.kr>
- Ultraprecision Machine System Lab (Prof. Lee, Sun Kyu) <https://me.gist.ac.kr/micro/index.do>
- Autonomous Driving & Smart 3D Printing Lab (Prof. Lee, Yong Gu) <https://me.gist.ac.kr/nsl/index.do>
- Bio-Robotics Lab (Prof. Lee, Jong-ho) <http://biorobotics.gist.ac.kr/>
- Laser Micro/Nano Fabrication Lab (Prof. Jeong, Sung-ho) <https://me.gist.ac.kr/laser/index.do>
- Nano Energy & Heat Transfer Lab (Prof. Seol, Jae Hun) <https://me.gist.ac.kr/nheat/index.do>
- MEMS and Nano Systems Lab (Prof. Lee, Jong Hyun) <https://me.gist.ac.kr/mems/index.do>
- Information and Signal Processing Lab (Prof. Hwang, Eui-seok) <https://me.gist.ac.kr/isp/index.do>
- Turbulence in Hydro/aerodynamics for Engineering- Oriented Research and Technology (Prof. Jee. Sol-Keun) <https://me.gist.ac.kr/theory/index.do>
- Smart Diagnosis and Design Optimization Lab (Prof. Oh, Hyun Seok) <https://sddo.gist.ac.kr/>
- Structural Optimization for electromechanical devices Lab (Prof. Lee, Jae Wook) <https://me.gist.ac.kr/sol/index.do>
- Two-Phase Flow and Thermal Management Lab (Prof. Lee Seunghyun) <https://tpftml.gist.ac.kr/tpftml/>





School of Earth Sciences and Environmental Engineering

- Environmental Catalysis Lab (Prof. Kang, Sungbong) <https://sites.google.com/view/gist-ecl>
- Stable Isotope Ecology Lab (SIEL) (Prof. Kang, Chang-Keun) <https://env1.gist.ac.kr/siel/index.do>
- Soil Environment Lab (SEL) (Prof. Kim, Kyoung-Woong) <https://env1.gist.ac.kr/sel/index.do>
- Environmental Toxicology and Chemistry Lab (ETCL) (Prof. Kim, Sang-Don) <https://env1.gist.ac.kr/etcl/index.do>
- Water Energy Link Lab (WELL) (Prof. Kim, Young Mo) <https://env1.gist.ac.kr/well/index.do>
- Evolutionary Ecology Lab (EEL) (Prof. Kim, Eun-Suk) <https://eunsukkim2.wixsite.com/board>
- Environmental Membrane-Biotechnology Lab (EMBL) (Prof. Kim, In Su) <https://embl.gist.ac.kr>
- Environmental Systems Engineering Lab (ESEL) (Prof. Kim, Joon Ha) <https://esel.gist.ac.kr>
- Environmental Omics Lab (EnOL) (Prof. Kim, Tae Young) <https://env1.gist.ac.kr/enol/index.do>
- Membrane and Electrochemistry Lab (MEL) (Prof. Moon, Seung-Hyeon) <https://mel.gist.ac.kr>
- Atmospheric Trace Molecules Sensing (ATMOS) Lab (Prof. Min, Kyung-Eun) <https://env1.gist.ac.kr/atmoslab/index.do>
- Aerosol Technology Monitoring Lab (ATML) (Prof. Park, Ki-Hong) <https://env1.gist.ac.kr/atml/index.do>
- Carbon & Energy Systems Lab (CnESL) (Prof. Park, Young June) <https://env1.gist.ac.kr/cnesl/index.do>
- Atmospheric Chemical Information Research (AIR) Lab (Prof. Song, Chul-Han) <https://airlab.gist.ac.kr/>
- Climate Analysis and Modeling (CAM) Lab (Prof. Yoon, Jin-Ho) <https://env1.gist.ac.kr/camlab/index.do>
- Water Quality and Treatment Lab (WQTL) (Prof. Lee, Yun Ho) <https://env1.gist.ac.kr/wqtl/index.do>
- Electrochemical Reaction and Technology Lab (ERTL) (Prof. Lee, Jae-Young) <https://env1.gist.ac.kr/ertl/index.do>
- Energy and Biotechnology Lab (EBL) (Prof. Chang, In Seop) <https://ebl.gist.ac.kr/>
- Environmental Nanotechnology Lab (ENL) (Prof. Choi, Hee-Chul) <https://env1.gist.ac.kr/enl/index.do>
- Trace Metal Biogeochemistry (TMB) Lab (Prof. Han, Seung Hee) <https://tmb.gist.ac.kr/tmb/>
- Applied & Environmental Microbiology Lab (AEML) (Prof. Hur, Hor-Gil) <https://env1.gist.ac.kr/aeml/index.do>





School of Life Sciences

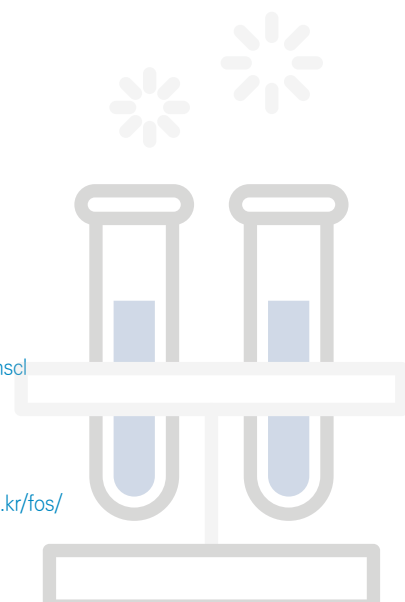
- Laboratory of Molecular Neuroethology (Prof. Kim, Young-Joon) <https://gistflylab.wixsite.com/gistlmn>
- Drug Discovery Lab (Prof. Kim, Yong Chul) <https://life.gist.ac.kr/idd/index.do>
- Bio-membrane Molecular Functional Modulator Discovery Lab (Prof. Kim, Jae-Il) <https://life.gist.ac.kr/nmr/index.do>
- Laboratory of Tumor Suppressor (Prof. Nam, Jeong-Seok) <https://cancer.gist.ac.kr>
- New Drug Targets Lab (Prof. Darren R. Williams) <https://life.gist.ac.kr/ndtl/index.do>
- Cell Clearance Lab (Prof. Park, Dae-Ho) <https://life.gist.ac.kr/cellclearance/index.do>
- Cellular Immunology Lab (Prof. Park, Sung-Gyoo) <https://life.gist.ac.kr/tcell/index.do>
- Bio Remodeling and Gene Therapy (Prof. Park, Woo-Jin) <https://life.gist.ac.kr/brgt/index.do>
- Functional and Medicinal Proteomics Lab (Prof. Park, Zee Yong) <https://life.gist.ac.kr/mass/index.do>
- Laboratory of Molecular Neurobiology (Prof. Park, Chul-Seung) <https://life.gist.ac.kr/mnl/index.do>
- Laboratory of Neural Development and Function (Prof. Song, Mi-Ryoung) <https://life.gist.ac.kr/ndl/index.do>
- Cell Dynamics and Imaging Lab (Prof. Song, Woo Keun) <https://life.gist.ac.kr/cell/index.do>
- RNA Genomics and Epigenetics Lab (Prof. Shen, Haihong) <https://life.gist.ac.kr/gistrna/index.do>
- Protein Structure and Function Lab (Prof. Eom, Soo Hyun) <https://life.gist.ac.kr/xray/index.do>
- Medicinal Biochemistry Lab (Prof. Yoo Yung-Joon) <https://life.gist.ac.kr/mbi>
- Single Molecule Biology and Cellular Dynamics Lab (Prof. Lee, Gwang-Rog) <https://life.gist.ac.kr/smbio/index.do>
- Cellular Logistics and Aging Research Lab (Prof. Jun, Young-Soo) <https://life.gist.ac.kr/clar/index.do>
- Osteoarthritis Research Lab (Prof. Chun, Jang-Soo) <https://life.gist.ac.kr/cdl/index.do>
- Immune Synapse and Cell Therapy Research Lab (Prof. Jun, Chang-Duk) <https://life.gist.ac.kr/isct/index.do>
- Reproductive Biomedicine Gene Discovery (Prof. Cho, Chung Hee) <https://life.gist.ac.kr/rbgd/index.do>
- Membrane Protein Structural and Functional Biology Lab (Prof. Jin, Mi Sun) <https://life.gist.ac.kr/mpsf/index.do>
- Developmental Genetics Lab (Prof. Jin, Suk-Won) <https://life.gist.ac.kr/dgl/index.do>
- Tumor Metabolism and Therapeutic Oncology Research Lab (Prof. Steve, Cho) <https://life.gist.ac.kr/tmtor/index.do>
- Functional Genomics Lab (Prof. Park, Jihwan)





School of Physics and Chemistry

- Laboratory for Electron Spectroscopy for Surface/Interface Chemical Analysis (Prof. Mun, Bong Jin) <https://phys.gist.ac.kr/gistesca/index.do>
- Laboratory for Ultrafast Nonlinear Optics (Prof. Ko, Do-Kyeong) <https://phys.gist.ac.kr/ultrafast/index.do>
- Attosecond Science Lab (Prof. Kim, Kyung Taec) <https://phys.gist.ac.kr/atto/index.do>
- Quantum Field & Gravity Theory Group Lab (Prof. Kim, Keun Young) <https://phys.gist.ac.kr/gctp/index.do>
- Computational Many-body Physics Group Lab (Prof. Kim, Dong Hee) <https://phys.gist.ac.kr/stat/index.do>
- Center for Relativistic Laser Science (Prof. Nam, Chang Hee) https://corels.ibs.re.kr/html/corels_en/
- X-ray Laboratory for Nano Scale Phenomena (Prof. Noh, Do Young) <https://phys.gist.ac.kr/x-ray/index.do>
- Quantum Devices Lab (Prof. Doh, Yong-Joo) <https://phys.gist.ac.kr/qdev/index.do>
- Laser Fusion Lab (Prof. Bang, Woo Suk) <https://phys.gist.ac.kr/laserfusion/index.do>
- Laser-plasma Acceleration Lab (Prof. Suk, Hyyong) <https://phys.gist.ac.kr/lpal/index.do>
- Mathematical Physics Research Lab (Prof. Song, G. Hugh) <https://turandot.gist.ac.kr>
- Computational Condensed Matter Physics Lab (Prof. Yu, Unjong) <https://phys.gist.ac.kr/ccmp/index.do>
- Nanoscale Electronic Devices Lab (Prof. Lee, Sungbae) <http://college.gist.ac.kr>
- Laboratory for Spectroscopy of Condensed matter Physics (Prof. Lee, Jong-Seok) <https://phys.gist.ac.kr/optogist/index.do>
- High Energy Density Physics Lab (Prof. Cho, Byoung-Ick) <https://phys.gist.ac.kr/hedp/index.do>
- Biosensors and Bio-Photonics Lab (Prof. Kim, Min-Gon) <https://bsbp.gist.ac.kr/bsbp/>
- Structure-Function Discovery Lab (Prof. Kim, Jung Wook) <https://sfdl.gist.ac.kr/sfdl/>
- Structural Biochemistry Lab (Prof. Park, Chin-Ju) <https://bionmr.gist.ac.kr/bionmr/>
- Femtosecond Spectroscopy Lab (Prof. Pang, Yoon-Soo) <https://femto.gist.ac.kr/femto/>
- Inorganic Chemistry Lab (Prof. Seo, Jun Hyeok) <https://inorg.gist.ac.kr/inorg/>
- Biomimetic Materials Lab (Prof. Seo Ji-Won) <https://peptoid.gist.ac.kr/peptoid/>
- Medicinal Chemistry Lab (Prof. Ahn, Jin Hee) <https://mcl.gist.ac.kr/mcl/>
- BioPhysical Chemistry Lab (Prof. Lee, Kang Taek) <https://bpc.gist.ac.kr/bpc/>
- Photonic Quantum Chemistry Lab (Prof. Lee, Hoh Jai) <https://hohjai.gist.ac.kr/hohjai/>
- Nanoscale Surface Chemistry Lab (Prof. Lim, Hyun Seob) <https://tetoslim.wixsite.com/nscl>
- Organic Synthesis Lab (Prof. Chung, Won-Jin) <https://orgsyn.gist.ac.kr/orgsyn/>
- BioOrganic Chemistry Lab (Prof. Han, Min-Su) <https://boc.gist.ac.kr/boc/>
- Functional Organic Molecules Synthesis Lab (Prof. Hong, Suk Won) <https://fos.gist.ac.kr/fos/>





Institute of Integrated Technology

– Department of Biomedical Science & Engineering

- 3D Biomedical Image and Technology (Prof. Kwon, Hyuk-Sang) <https://bmse.gist.ac.kr/3dbit/index.do>
- Biophotonics Lab (Prof. Kim, Jae Gwan) <https://bmse.gist.ac.kr/biophotonics/index.do>
- Translational Neuroscience Lab (Prof. Kim, Tae) <https://t-neurolab.gist.ac.kr/t-neurolab/>
- Neuro-Modulation Lab (Prof. Kim, Hyeong-Ihl) <https://bmse.gist.ac.kr/neuro/index.do>
- Laboratory of Peroxisomes & Lipid Metabolism (Prof. Park, Rae-Kil) <https://bmse.gist.ac.kr/peroxisomes/index.do>
- Genomic Medicine Lab (Prof. Park, Han Soo) <https://bmse.gist.ac.kr/genomic-medicine/index.do>
- Lab of Aging and Metabolic Disease (Prof. Oh, Chang-Myung) <http://metabolism.gist.ac.kr>
- Bio-Medical Signal & System Analysis Lab (Prof. Lee, Boreum) <https://bmse.gist.ac.kr/bmssa/index.do>
- Biomedical in Vivo Opto-Scopy Lab (Prof. Chung, Eui Heon) <https://bio-scopy.gist.ac.kr/>
- Lab of Molecular Biomedical Sciences (Prof. Cho, Jun) <https://bmse.gist.ac.kr/bmseeng/>

– School of Integrated Technology

- Energy Catalyst and Device Lab (Prof. Park, Chan Ho) <https://iit.gist.ac.kr/catalyst/index.do>
- Cognition & Intelligence Lab (Prof. Kim, Kyung-Joong) <https://cilab.gist.ac.kr/hp/>
- Healthcare Robotics Lab (Prof. Kim, Moon Sang) <https://iit.gist.ac.kr/hrlab/index.do>
- Human-Centered Intelligent Systems Lab (Prof. Kim, Seung Jun) <https://sites.google.com/view/gist-hcis-lab>
- Power Systems Lab (PSL) (Prof. Kim, Yun Su) <https://iit.gist.ac.kr/psl/index.do>
- Transactive Energy Artificial Intelligence Lab (Prof. Kim, Jin Ho) <https://gesi.gist.ac.kr/>
- Energy Storage Material and Device Lab (Prof. Kim, Hyeong Jin) <https://esmd.gist.ac.kr/esmd/>
- Human Robotics Lab (Prof. Ryu, Je Ha) <https://hr.gist.ac.kr/hr/>
- Computer Graphics Lab (Prof. Moon, Bo Chang) <https://cglab.gist.ac.kr/index.html>
- Power Electronics Research Lab (Prof. Park, Yong Soon) <https://perl.gist.ac.kr/>
- Energy Catalyst and Device Lab (Prof. Pak, Chan Ho) <https://catalyst.gist.ac.kr>
- Intelligent Medical Robotics Lab (Prof. Yoon, Jung Won) <https://iit.gist.ac.kr/medrobotics/index.do>
- Artificial Intelligence Lab (Prof. Lee, Kyoo Bin) <https://iit.gist.ac.kr/ailab/index.do>
- Mobile Power Electronics Lab (Prof. Rim, Chun Taek) <https://tesla.gist.ac.kr>
- Soft Computing & Interaction Lab (Prof. Hong, Jin-Hyuk) <https://iit.gist.ac.kr/sci/index.do>





Artificial Intelligence Graduate School

- Networked Intelligence Lab (Prof. Kim, Jong Won) <https://nm.gist.ac.kr/>
- Network and Security Lab (Prof. Lim, Hyuk) <https://wits.gist.ac.kr/>
- Data Mining & Computational Biology Lab (Prof. Lee, Hyun Ju) <https://eecs.gist.ac.kr/combio/index.do>
- Meta-Evolutionary Machine Intelligence Lab (Prof. Ahn, Chang Wook) <https://sites.google.com/view/gist-memi/home>
- Computer Vision Lab (Prof. Choi, Jong Hyun) <https://gistvision.github.io/>
- Intelligence Representation & Reasoning Lab (Prof. Kim, Kangil) <http://13.125.156.114/>
- Haptic Assistive Media Lab (Prof. Park, Gun Hyuk) <https://www.hamgist.net/>
- Visual AI lab (Prof. Jeon, Hae Gon) <https://sites.google.com/site/hgjeoncv/home>



2020 Global Intern Program



Contact

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