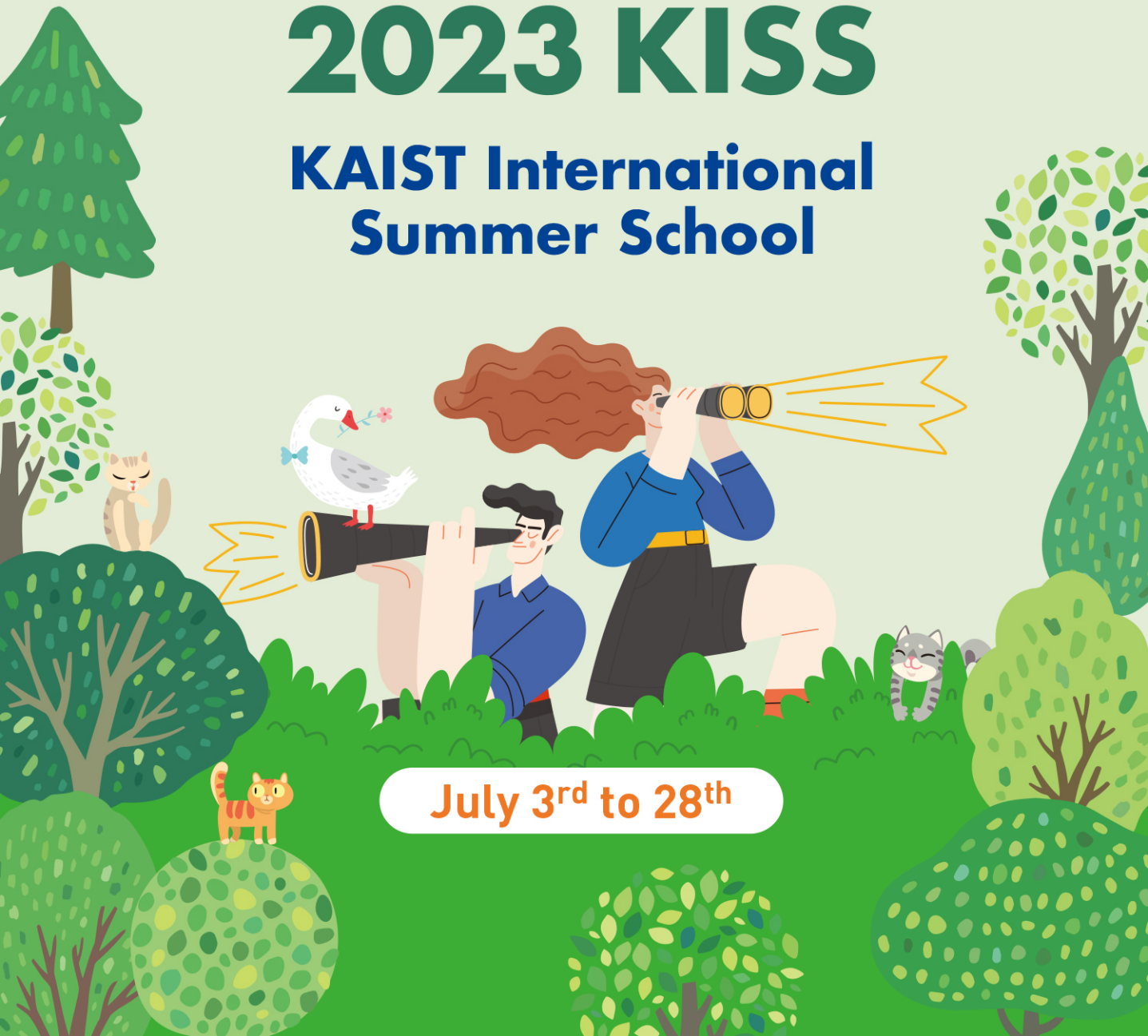
http://summer.kaist.ac.kr

International Relations Team | KAIST

2023 KISS

KAIST International Summer School



July 3rd to 28th

Cultural Activities

Field Trip & Day Trip, Cultural classes

– Tile painting, Taekwondo, Tea drinking & Meditation

TRACK 1 | Course-oriented Program

Courses(3 credits)

- Anthropology of Food
- Basic Korean 1
- Special Lectures on English 〈Teaching and Learning in Online Settings〉*
- Risk Society and Disaster Studies
- Fundamentals of Photonics*
- Immunology
- Topics in Life Science III 〈Cell & Organ Physiology〉
- Nano-Biomaterials*

※ Education 4.0 Programs: Unlike courses, courses classified as Education 4.0 will focus more on interactive activities and discussions instead of lectures.(Courses with * mark)

※ Classes are subject to change.

Tuition KRW 1,200,000 for 1 course(3 credits)
KRW 1,600,000 for 2 courses(6 credits)

TRACK 2 | Research-oriented Program

We provide the list of available laboratories for Track 2. Students will have the freedom to pick which department and lab they wish to join, and they are responsible for contacting the lab and getting approval from the professor. They are required to fill out the information about the confirmed lab after getting acceptance from the lab.

※ Track 2 participants will get 1 credit for taking the 'Individual Research' course.

Available Fields 15 laboratories in 7 departments
(Computing, Mechanical Eng., Biological Sciences, etc.)

Tuition KRW 1,500,000
※ There is no tuition exemption for Individual Research Program

Contact

summerschool@kaist.ac.kr +82-42-350-2442~5

TRACK 2 | Available Laboratories and Projects

Department	Professor	Title of Laboratory	Available Project
Bio & Brain Engineering	Prof. Sungmin Son	Biosensing Laboratory	Measuring mRNA with CRISPR Technology
	Prof. Ki-Hun Jeong	Biophotonics lab	Optical Spectroscopy for At-Home Healthcare Monitoring
Biological Sciences	Prof. Byung-Ha Oh	Therapeutic Protein Design and Structural Biology Laboratory	Prediction and Modelling of Antibody Structures in Infectious Diseases
	Prof. Won-Ki Cho	Super-resolution Imaging Laboratory	Super-resolution Fluorescence Imaging of Nuclear Structures
Chemistry	Prof. Yoonsu Park	Sustainable Catalysis Laboratory	Developing Asymmetric C-H Functionalization Reactions via Earth-abundant Metal Photocatalysis
	Prof. Yunjung Baek	The Baek Group	The Development of Transition Metal Catalysis for Facile Electron and Proton Transfer
	Prof. Soon Hyeok Hong	Molecular Catalysis Laboratory	Catalyst and Material Development for Sustainable Future
Computing	Prof. Daehyung Park	Robust Intelligence & Robotics (RIRO) Laboratory	Cooperative Intelligence Laboratory for Heterogeneous Robots
	Prof. Minhyuk Sung	KAIST Geometric AI Group	Learning a Generative Model for 3D Shape Data
	Prof. Sungho Jo	Neuro-Machine Augmented Intelligence Laboratory	Intelligent Fingerprint Recognition Utilizing Learning-based Methods
Materials Science and Engineering	Prof. Seung Min (Jane) Han	Nanomechanics Laboratory	High Strength Metal-Graphene Nanolayered Composite
Mechanical Engineering	Prof. Jungwon Kim	Ultra-Scale Photonic Control and Measurement Group	Ultra-Stable Optical Frequency Synthesizers for Portable Quantum Time Sensors
Physics	Prof. Se Kwon Kim	Quantum Spin Dynamics Laboratory	Magnon Orbitronics
	Prof. YongKeun (Paul) Park	Biomedical Optics Laboratory	Holotomography of Cytopathology
	Prof. Wonhee Lee	Microfluidics & Biosensor Lab	1. Microfluidic Cryofixation 2. Nanochannel Flow Rate Measurement

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