



Study Engineering at Kyoto University of Advanced Science

**KUAS International
Office**

info@primestudy.ge



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Why study in Japan

Country Profile

Stable Economy

(GDP #3)

Technology

(Computer, Robot)

Strong Manufactures

(TOYOTA, Nintendo)

Healthy

(Longest life expectancy)

Rich

(Gross National Income #3)

Exotic

(unique culture)

SAFE

(#1 in the world)

Culture

(Manga, Anime)

Japanese Cuisine

(SUSHI, Noodles)

Basic information on Japan

Area: 378,000 km²

Population: 126 million

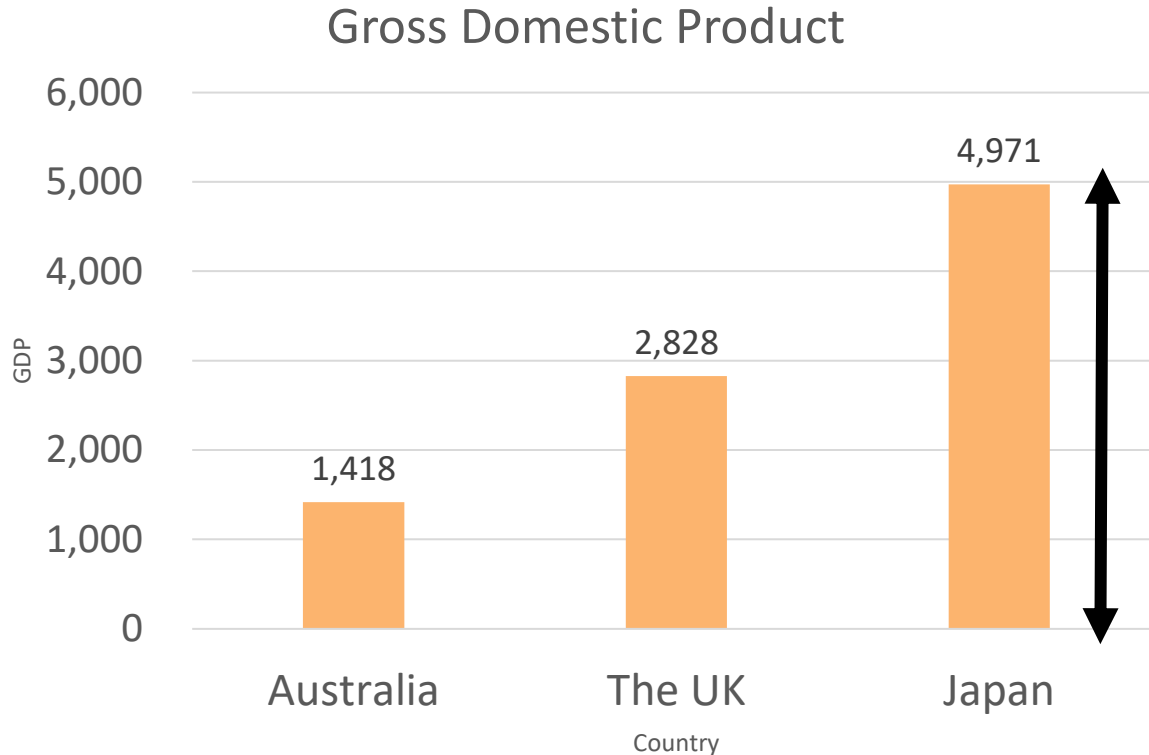
Capital: Tokyo

Language: Japanese

Currency: yen (¥)

Why study in Japan

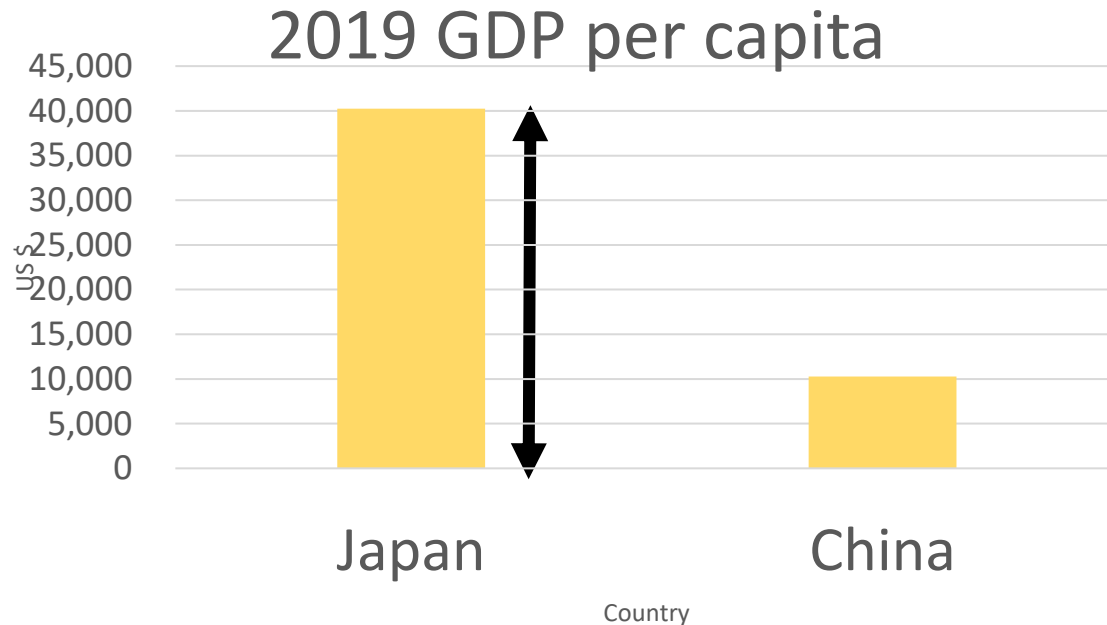
The 3rd largest economy



Japan is
4 times
bigger than
Australia
in the size of
economy.

Why study in Japan

Japan is still ahead of China economically



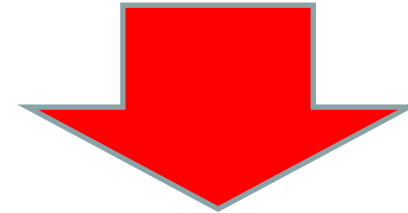
Japan is
4 times
bigger than
China in
GDP per
capita.

Why study engineering in Japan?

Engineers are in great demand in Japan

2020: **370,000** too few engineers

2030: **790,000** too few engineers



Serious engineer shortage

Why study engineering in Japan?

Engineers in **Japan** are paid **the most**, compared to other Asian countries.

Region	Country	Monthly average pay (USD)	Annual average pay (USD)
East Asia	Japan	3,595	43,140
	Korea (Seoul)	2,702	32,424
	Hong Kong	2,707	32,484
	Taiwan (Taipei)	1,428	17,136
	China (Shanghai)	1,003	12,036
Southeast Asia	Singapore	3,064	36,768
	Malaysia	840	10,080
	Thailand (Bangkok)	728	8,736
South Asia	India (Mumbai)	704	8,448
	Sri Lanka (Colombo)	291	3,492
	Bangladesh (Dakha)	287	3,444
Total Average		1,105	13,259

Kyoto – Japan's Most Unique City

Why Study in Kyoto?

Outside of Campus

Kyoto was the capital of Japan for 1,000 years.
Dozens of national and cultural treasures are located in Kyoto.



Why Study in Kyoto?

Outside of Campus

Kyoto is an international hub that transmits **Traditional** and **Modern Japanese Culture** to the World.



World-class technology firms in Kyoto



Games
-Nintendo-

OMRON

Sensors and controls
-OMRON-

Nidec
-All for dreams

Motors
-NIDEC-



LSI, Diode, LED
-ROHM-

KYOCERA

Ceramics
-Kyocera-

SHIMADZU
Excellence in Science

Analytical
Instruments
-Shimadzu-

muRata
INNOVATOR IN ELECTRONICS

Electronic
Components
-Murata-

GS YUASA

Batteries
-GS YUASA-

nichicon

Capacitors
-NICHICON-

SCREEN

Semiconductor
Display
-SCREEN-

Kyoto University of Advanced Science

Facts about KUAS

- Started in 1969 (52 years ago)
- Located in Kyoto Prefecture
- 3,600 students
- About 80 international students from 20 countries at our engineering school alone
- 5 Faculties
- Brand new Faculty of Engineering



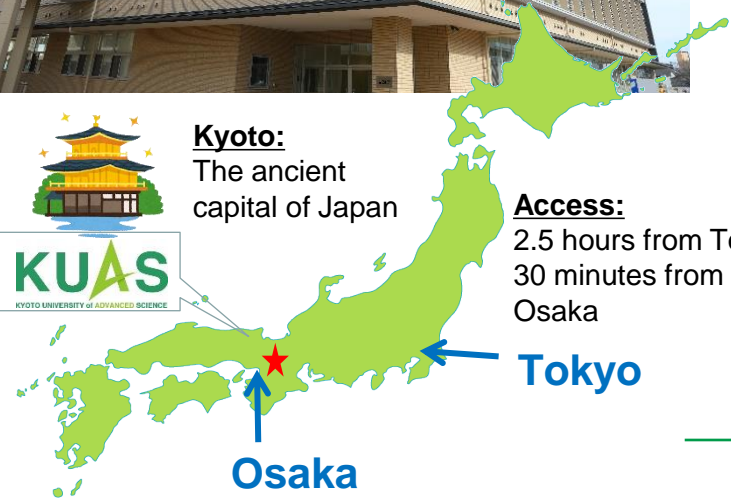
Kyoto:

The ancient capital of Japan



Access:

2.5 hours from Tokyo
30 minutes from Osaka



Osaka

Tokyo

Why Study at KUAS?

Mr. Nagamori Shigenobu



About **NIDEC**

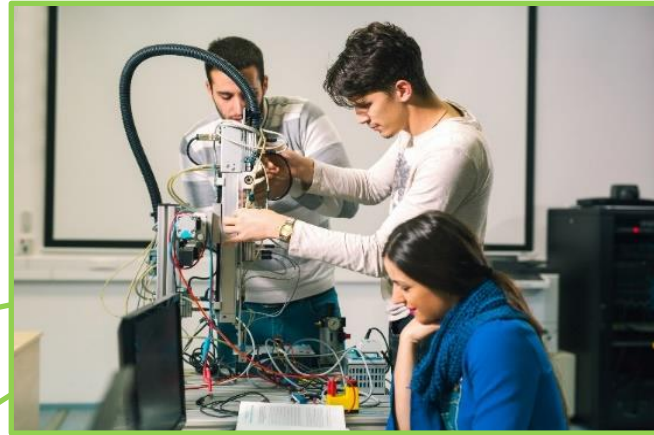
- **largest** motor company in the world
- **300** offices in **50** countries
- **140,000** employees (more than Apple)

- One of the **10 most powerful CEOs in Japan**
- CEO of **Nidec**
- became the chairman of KUAS in 2018
- Invested **EUR 98,000,000** in KUAS
- Founded the new KUAS Faculty of Engineering to create a new generation of street-smart engineers
- **Wants to hire many engineers for NIDEC**

New Faculty of Engineering

Faculty of Engineering

Faculty of Economics and Business Administration



Faculty of Humanities



Faculty of Bioenvironmental Science



Faculty of Health and Medical Science



“5”
**Distinctive
Fields of
Study**

Faculty of Engineering Building



International Standard Quality



KUAS university-partners with

Ohio state university world ranking #70

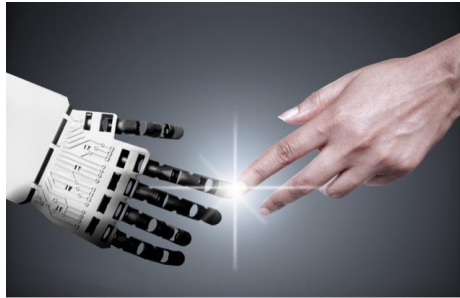
Seoul National university, South Korea #1

In recognition of the highest quality of engineering education of each other _____

KUAS master's and doctoral engineering programs

Core areas

- Mechanical
- Electrical
- Electronic
- Electrochemical
- Computer science



Faculty's research areas

- DNA Nanotechnology
- Power electronics
- Renewable energies
- Multiple robot systems
- Systems engineering
- IoT technologies
- Battery engineering
- Remote sensing
- Drone measurement
- Quantum material science
- Mathematics
- Nanomaterials
- Information engineering
- Solid mechanics
- Data simulation
- Solid state physics
- Optical crystals
- Nano mechanics
- Computer vision
- Wearable computing
- Robotics

Our professors

Graduate School — Computer Science



Dr Ian Piumarta

Professor

PhD in Computer Science (U of Manchester)

Worked at various universities, research institutes, & companies in Paris, California, & Kyoto (latter for 8 y)

Teaching experience: dozens of lectures in embedded computing, operating systems etc.

In charge of the Electronics Workshop at KUAS

Research: meta-programming; reconfigurable systems; embedded and IoT technologies; virtual machines; dynamic code generation; collaborative systems



Professor Piumarta
Main Research Field:
Embedded system



Our professors

Graduate School — Computer Science



Dr Zilu Liang

Junior Associate Prof

PhD in Electrical Eng. & Information Systems (U Tokyo)
Exchange studies at Oxford & Imperial College London

Research assistant at U of Melbourne, assistant prof at U Tokyo
International Society for Technology in Education
Students learn to think on 3 levels:

What? So What? Now What?

Goal: track health & well-being (Quantified Self)

Problems: data collection, data analysis, &
human-computer interaction

Solutions: combining sensing, computing, &
data mining

www.zilu-liang.net



Professor Liang
Main Research Field:
Informatics



KUAS-E Master & Doctoral Course Outline



KUAS-E Graduate school is a “Research-Based” curriculum with a master’s thesis writing. It is not a “Course-Based” curriculum, so students have to work on your research topic and choose a KUAS supervisor before application.

Year 1 – M1 Semester 1&2

Acquire Higher Engineering Knowledge

Advanced Basic Engineering Courses

Advanced Exercise and Research

Master’s Thesis Research

Introduction to Japanese Classes –Optional-

Year 2 – M2 Semester 3&4

Solidify your Research Topic

Advanced Specialized Engineering Courses

Advanced Exercise and Research

Master’s Thesis Research and Oral Defense

Advanced Japanese Classes –Optional-

Find your supervisor (1) – post graduates

Your supervisor will be “your academic curriculum at KUAS.
Approximately 50% of credits from independent research work



Dr. Osamu Tabata
MEMS, NEMS, DNA
Nanotechnology



Dr. Alberto Castellazzi
Power Electronics, Power
Semiconductor Devices,
Packaging, Thermal
Management



Dr. Fuat Kucuk
Electrical Engineering,
Electrical Machines,
Power Electronic Circuits,
Renewable Energy
Conversion, Electric
Vehicles



Dr. Hiroaki Fukushima
Control Engineering,
Robotics



Dr. Hiroshi Kawakami
System Design, Systems
Engineering, Mechanical
Engineering

Find your supervisor (2)-post graduates

Your supervisor will be “your academic curriculum at KUAS.
Approximately 50% of credits from independent research work



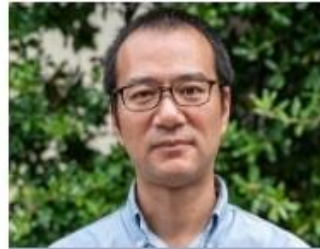
Dr. Masayuki Nishi

Inorganic Material
Chemistry,
Nanomaterials,
Synthesis and
Processing, Optical
Materials, Glasses,
Ceramics



Dr. Ryo Takahashi

Electrical Engineering,
Information and
Communication
Engineering, Statistical
Physics



**Dr. Ryosuke
Matsumoto**

Solid Mechanics,
Computational
Mechanics, Strength
and Fracture of
Materials, Atomic
Simulation



**Dr. Salem Ibrahim
Salem**

Remote Sensing, Water
Resources and
Environment, Water
Quality, Deep Learning,
Data Simulation, Voice
Recognition



Dr. Shigeru Horii

Materials Science, Solid-
state Physics

Entry Requirements

Graduate School of Engineering: **Master's Program**

- Applicants must graduate from a university (undergraduate course) or have a **bachelor's degree**

Graduate School of Engineering: **Doctoral Program**

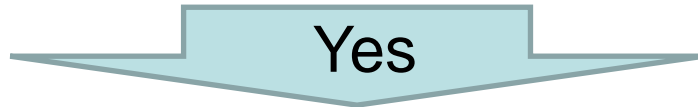
- Applicants must have a **master's degree** from graduate school or professional degree from professional graduate schools

***Compulsory Pre-application Review**

details in the guidelines

Stage 1. Obtaining pre-application review

To see if your preferred professor can supervisor your thesis



Stage 2. Formally invited to submit the application

*Only successful candidates in pre-application review at stage 1 allowed to apply

For master's and doctoral candidates

- 1.CV with specific academic information
- 2.A detailed research plan
- 3.Transcripts from colleges/universities attended
- 4.A list of research achievements (if any)

Application documents

Master

1. Photograph
2. A detailed research plan
3. Application essay (500 words maximum)
4. Transcripts from colleges attended
5. Certificates of (expected) graduation
6. Evidence of English proficiency
7. One letter of recommendation
8. Passport copy (if available)

Application documents

Doctor

1. Photograph
2. Summary of research
3. Research plan
4. Application essay
5. Transcripts from colleges attended
6. Certificates of (expected) graduation
7. Evidence of English proficiency
8. One letter of recommendation
9. Passport copy (if available)

Application Timelines for 2022 program

Post graduate Students

Application Fee . . . JPY 5,000

**Pre application
Review**

Application

Interview

Results

Early entry

Oct 18, 2021

Nov 16, 2021

Feb 18, 2022

Regular entry

Jan 1, 2022

Feb 1, 2022

April 22, 2022

Tuition fees

For **master's** degree candidate

	1st year	2 nd year
Tuition	EUR 9,062	EUR 7,535

For **doctoral** degree candidate

	1 st year	2 nd year	3 rd year
Tuition	EUR 9,071	EUR 7,535	EUR 7,535

The **cost of living** in Kyoto: EUR 827-EUR 991 per **month**

Tuition and Scholarships for Masters

Original Fee for
First Year ONLY

JPY 1,202,640
EUR 9,421

- Include;
- 1) Admission Fee
 - 2) Tuition Fee
 - 3) Association Fee
 - 4) Insurance

**First Year Fees for
Bachelor's Program**

30%

JPY 842,640
EUR 6,549

- Include;
- 1) Admission Fee
 - 2) Tuition Fee
 - 3) Association Fee
 - 4) Insurance

**KUAS-E
Scholarship 30%**

【Scholarship Criteria】

- NO** minimum GPA
- NO** minimum score
- NO** subject requirements

**KUAS will review your documents
holistically**

50%

JPY 502,640
EUR 3937

- Include;
- 1) Admission Fee
 - 2) Tuition Fee
 - 3) Association Fee
 - 4) Insurance

**KUAS-E
Scholarship 50%**

100%

JPY 2,640
EUR 21

- Include;
- 1) Association Fee
 - 2) Insurance

**KUAS-E
Scholarship 100%**

**Living
Allowance**

**JPY
100,000/month**
EUR 775/month



100%★

JPY 2,640
USD 21

- Include;
- 1) Association Fee
 - 2) Insurance

**Super KUAS-E
Scholarship 100%**

Tuition and Scholarships for Doctors

Original Fee for
First Year ONLY

JPY 1,203,770
USD 9,429

- Include;
- 1) Admission Fee
 - 2) Tuition Fee
 - 3) Association Fee
 - 4) Insurance

First Year Fees for
Bachelor's Program

【Scholarship Criteria】

- NO minimum GPA
- NO minimum score
- NO subject requirements
- KUAS will review your documents holistically**

100%

JPY 3,770
USD 30

- Include;
- 1) Association Fee
 - 2) Insurance

KUAS-E
Scholarship 100%

Living
Allowance
JPY
100,000/month
EUR 775/month



100%★

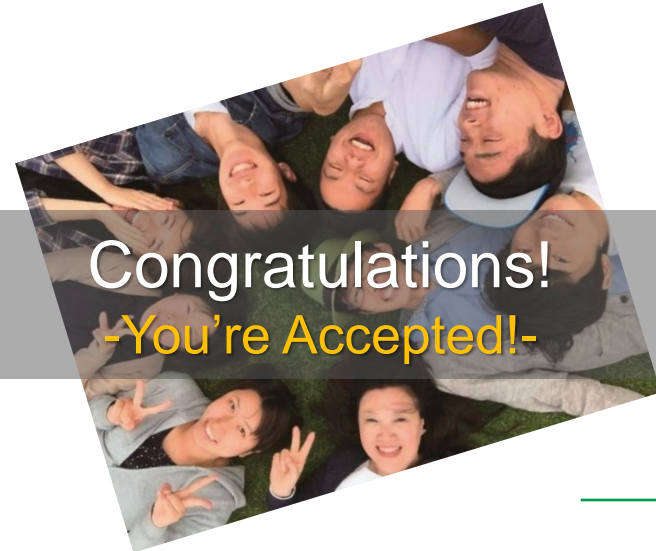
JPY 3,770
USD 30

- Include;
- 1) Association Fee
 - 2) Insurance

Super KUAS-E
Scholarship 100%

Simple and Easy

- Step 1: You send all the required documents to KUAS
- Step 2: KUAS applies to the Japanese government for you. The Japanese government provides KUAS with a Certificate of Eligibility (we mail it to you).
- Step 3: You take your CoE to the Embassy of Japan and get your visa.



Contact details

KUAS' Georgian Representative

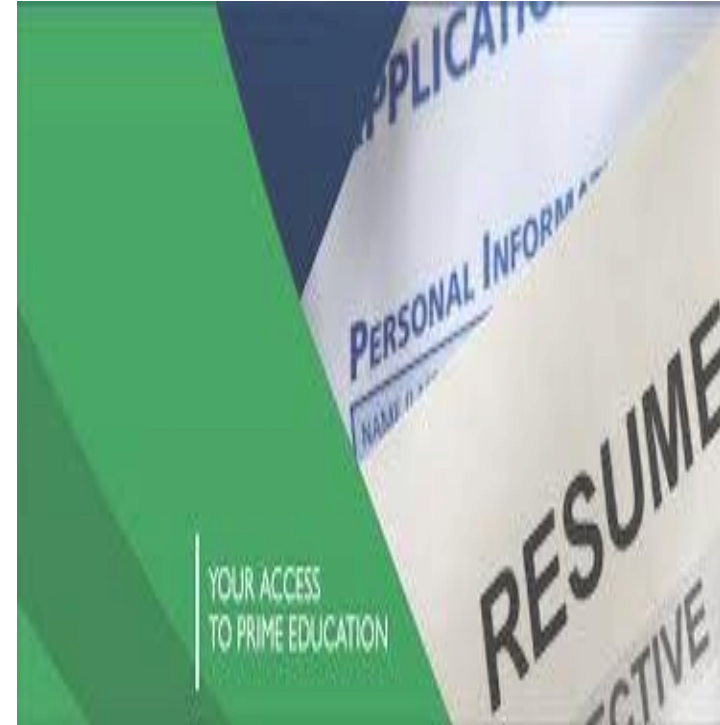
Mr. Davit Mikeladze



PRIME STUDY

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Thank for your kind attention



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