

TABLE RONDE

JAPON &

CORÉE DU SUD

05/03/2024



JAPON





INFORMATIONS GÉNÉRALES



Japon

PLUS DE 100 VOLCANS ACTIFS

4ÈME PUISSANCE ÉCONOMIQUE MONDIALE

**PAYS AVEC LE PLUS GRAND NOMBRE DE
DISTRIBUTEURS AUTOMATIQUES**

**Le PLUS GRAND PRODUCTEUR DE SÉRIES
D'ANIMÉS, AVEC PLUS DE 60% DU MARCHÉ
MONDIAL**

**TOYOTA EST LE 3ÈME PRODUCTEUR
AUTOMOBILE DANS LE MONDE**

**10ÈME PAYS LE PLUS PEUPLÉ DANS LE
MONDE**

70% DU PAYS EST MONTAGNEUX

UN DES PLUS BAS TAUX DE CRIMINALITÉ

**LE BASEBALL EST LA SPORT LE PLUS
POPULAIRE**



Opportunités de mobilité

→ Validation d'un semestre (S8)

- 5 cours de 2 crédits (7 pour Okayama)
- Cours en anglais
- Parmi les 5, il est fortement suggéré de choisir « Travaux en laboratoire »
- Rentrée en avril
- **Trouver un professeur d'accueil (qui décidera des cours à suivre) avant même de préparer le dossier de candidature**

→ Double diplôme (DD)

- Parcours classique japonais
- Cours en japonais
- Le stage recherche effectué pendant le parcours de DD à Keio validera le travail de fin d'études demandé à CS
- **Trouver un professeur d'accueil (qui décidera des cours à suivre) avant même de préparer le dossier de candidature**

Nos partenaires S8

→ Keio – Faculty of Science and Technology

- Graduate School of Science and Technology

→ Tohoku

- Graduate Schools of: Engineering – Science – Information Sciences – Environmental Studies – Biomedical Engineering

→ Université de Tokyo

- Graduate School of Engineering
- Graduate School of Information Science and Technology

→ Okayama

- Agricultural science – Communication systems – Computer science and informatics – Earth sustainability/Climate/Environment – Economics – Energy management – Health and biology – Mathematics – Materials science – Physical and chemical sciences – Universe sciences

→ Kyushu University

- School of Engineering

→ *Doshisha University* – accord en cours de signature



Nos partenaires/ destinations DD

→ **Keio – Faculty of Science and Technology**

- Graduate School of Science and Technology

→ **Tohoku**

- Graduate Schools of: Engineering – Sciences – Information Sciences – Environmental Studies

→ **Université de Tokyo** – Possibilité de faire un master – **hors accord**, payant, avec examen d'admission

- Toute formation en master en rapport avec l'ingénierie ou les sciences

Etudier au Japon

- Accueilli par un professeur, dans son laboratoire
- Regarder les membres actuels et la présence d'internationaux
- Tous les élèves M1 & M2 ont un projet de recherche à effectuer
- Si S8, il est possible de faire un projet, voire un S8 recherche (stage professionnel en laboratoire)



KEIO UNIVERSITY

Semestre académique

Double diplôme

- A university with world-class research facilities
- Opportunities to learn from leading scholars and conduct advanced research
- Located in the world's largest city – Tokyo
- The Faculty and Graduate School of Science and Technology has a dedicated campus with cutting-edge facilities
- Global Initiative is for a sustainable, secure and creative world





KEIO UNIVERSITY

Areas of study include:

- Architecture
- Urban Planning
- Physics
- Computer Science and Information Systems
- Aeronautical Engineering
- Chemical Engineering
- Civil and Structural Engineering
- Electrical and Electronic Engineering
- Manufacturing and production
- Mechanical Engineering
- Engineering Management
- Mathematical Sciences
- System Design Engineering
- Biological Sciences
- Statistics
- Sustainable Development
- Materials
- Astronomy
- Mathematics
- Environment Studies
- Biosciences and Informatics
- Pharmacology





THE UNIVERSITY OF TOKYO

Semestre académique

Double diplôme

- Located within 10KM of central Tokyo
- Oldest and largest of Japanese national universities
- Greatest strength is research and educational excellence
- The University's mission is to enhance the greater community of UTokyo by building and nurturing a connection to UTokyo among alumni, current students, faculty and staff



THE UNIVERSITY OF TOKYO

Areas of study include:

- Civil Engineering
- Architecture
- Urban Engineering
- Mechanical Engineering
- Mechano-Informatics
- Aeronautics/ Astronautics
- Precision Engineering
- Information and Communication Engineering
- Applied Physics
- Mathematical Engineering/ Information Physics
- Materials Engineering
- Applied Chemistry
- Chemical System Engineering
- Chemistry/ Biotechnology
- System Innovation



TOHOKU UNIVERSITY

Semestre académique

Double diplôme

- **The University aims to prepare more graduates of the country's academic institutions for positions of global leadership**
- **Research is one of the main strengths of the University**
- **47 Sporting Clubs – Kart Racing, Mountaineering, Badminton, Skiing and Tennis**
- **The university is located in the city of Sendai – which is known as a university town**
- **A modern city – with both convenience and natural scenery and is often called the city of trees and many hot springs are nearby**



TOHOKU
UNIVERSITY



TOHOKU UNIVERSITY

Areas of study include:

- Environmental Studies
- Mechanical and Aerospace Engineering
- Material Sciences
- Robotics
- Data Sciences
- Biomechanics
- Civil and Environmental Engineering
- Information Technology
- Life Sciences
- Advanced Science





KYUSHU UNIVERSITY

Semestre académique

- One of Japan's leading research-oriented institutes of higher education
- One of the seven national universities in Japan
- Kyushu U has over 18,500 students, 2,000 faculty members, and 2,500 international students at its numerous undergraduate and graduate programs spanning the humanities and arts to engineering and medical sciences
- Research key areas : decarbonization, medicine and health, and environment and food





KYUSHU UNIVERSITY

Areas of study include:

- Environmental Studies
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CORÉE DU SUD





INFORMATIONS GÉNÉRALES



South Korea



Corée du Sud

3300 ÎLES (JEJU, INSCRITE AU PATRIMOINE NATUREL MONDIAL DE L'UNESCO)

L'INDUSTRIE REPRÉSENTE QUELQUE 35% DE SON PIB

LE PAYS DU MATIN CALME (PAYS DU MATIN FRAIS)

APPAREIL INDUSTRIEL STRUCTURÉ AUTOUR DE GRANDS CONGLOMÉRATS (CHAEBOL): SAMSUNG, HYUNDAI, LG

99% DE LA POPULATION EST D'ORIGINE CORÉENNE

LEADER DANS L'ÉLECTRONIQUE HAUT DE GAMME

10^E ÉCONOMIE MONDIALE

DÉPENSES PRIVÉES ET PUBLIQUES ÉLEVÉES EN R&D

7^E PUISSANCE EXPORTATRICE



Opportunités de mobilité

→ Validation d'un semestre (S8)

- 5 cours
- Cours en anglais
- Hanyang
 - Plusieurs campus
 - Minimum 12 de moyenne en S5 et S6 pour être éligible

→ Dual diplôme à KAIST

- Mobilité diplômante d'un an et demi
 - Master orienté recherche
 - Codirection de thèse de fin d'études
 - Un directeur de recherche à KAIST et un co-tuteur à CS avant d'envoyer le dossier
 - Un mémoire de master* à préparer et soutenir devant le jury de KAIST à la fin du Master
- *Ce travail est reconnu comme travail de fin d'études par CS*
- TOEFL ou IELTS à passer dans un centre agréé à vos frais

→ Rentrée en mars

Nos partenaires

→ Semestre académique

- KAIST, Daejon

Toutes faculté sauf la Graduate School of Medical Science and Engineering

- Hanyang University, Séoul

Toutes facultés d'ingénierie

→ Dual diplôme

- KAIST (Mechanical Engineering)

MSc in Mechanical Engineering

- Schéma de mobilité

Sept	Feb	Sept	Feb	Sept
Home	Home	Host	Host	Host
Eng. Semester 7	Eng. Semester 8	MSc Semester 2	MSc Semester 3	MSc Semester 4



KAIST UNIVERSITY

Semestre académique

Double diplôme

Schools and Departments:

- Department of Mechanical Engineering
- Department of Aerospace Engineering
- School of Electrical Engineering
- School of computing
- Department of Civil and Environmental Engineering
- Department of Bio and Brain Engineering
- Department of Industrial Design
- Department of Industrial and Systems Engineering

- Department of Chemical and Biomolecular Engineering
- Department of Materials Science & Engineering
- Department of Nuclear and Quantum Engineering
- The Cho Chun Shik Graduate School for Green Transportation

KAIST UNIVERSITY



BAE, Choongsik

Research Area : Internal combustion engine, Laser diagnostics and instrumentation

Laboratory : Future Transport Power Laboratory

Education : Ph.D., Imperial College London (1994)



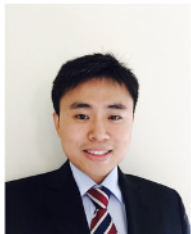
SHIN, Jennifer Hyunjong

[상세보기](#)

Research Area : Cellular Mechanobiology, Tissue Engineering, Microfluidics, Plasma Medicine

Laboratory : Soft Biomechanics and Biomaterials Laboratory

Education : Ph.D., MIT (2004)



SIM, Gi-Dong

Research Area : Mechanical Properties of Materials, Thin Film Mechanics, Fracture and Fatigue

Laboratory : in-situ Characterization and Reliability Evaluation Laboratory

Education : Ph.D., KAIST (2012)



HANYANG UNIVERSITY

Semestre académique

- A private research university in South Korea
- The main campus is in Seoul, and the second one, the Education Research Industry Cluster at Ansan, or ERICA campus, is located in Ansan
- The university established the nation's first engineering institute (DongA Engineering Institute) in 1939
- It also established the first school of architecture and civil engineering in Korea
- The university welcomes over 7,400 foreign students each year and more than 3,000 students study abroad annually



HANYANG UNIVERSITY

Schools and Colleges:

- College of Engineering
- College of Natural Sciences
- School of Intelligence Computing
- College of Computing
- College of Sciences and Convergence Technology

TÉMOIGNAGES

S'INFORMER

Training Advisor – rapports des étudiants S8 ou DD (possibilité de les contacter si vous avez des questions supplémentaires)

Etudiants internationaux sur le campus

www.mobility.centralesupelec.fr

Equipe internationale

Responsables de zone