

## [2015-03]九州大学博士課程リーディングプログラム グリーンアジア国際戦略プログラム

<https://hdl.handle.net/2324/1904346>

---

出版情報：九州大学博士課程リーディングプログラムグリーンアジア国際戦略プログラムパンフレット.  
2015 (1), pp.1-, 2015-03. 九州大学グリーンアジア国際リーダー教育センター事務局  
バージョン：  
権利関係：

# STAFF

- ▶ **Hideharu Nakashima**  
Program Director  
Professor, Department of Molecular and Material Sciences
- ▶ **Akira Harata**  
Program Coordinator  
Professor, Department of Molecular and Material Sciences
- ▶ **Jun Tanimoto**  
Program Vice-Coodinator  
Professor, Department of Energy and Environmental Engineering
- ▶ **Jun-ichiro Hayashi**  
Program Vice-Coodinator  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Keiko Sasaki**  
Program Vice-Coodinator  
Professor, Department of Earth Resources Engineering
- ▶ **Kiichi Hamamoto**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Minoru Nishida**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Michitaka Ohtaki**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Satoshi Hata**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Seong-Ho Yoon**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Hiroshi Nakashima**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Hirotsugu Kikuchi**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Shigeto Okada**  
Professor, Department of Applied Science for Electronics and Materials
- ▶ **Kungen Teii**  
Associate Professor, Department of Applied Science for Electronics and Materials
- ▶ **Hiroki Ago**  
Associate Professor, Department of Applied Science for Electronics and Materials
- ▶ **Seigi Mizuno**  
Professor, Department of Molecular and Material Sciences
- ▶ **Yuriko Aoki**  
Professor, Department of Molecular and Material Sciences

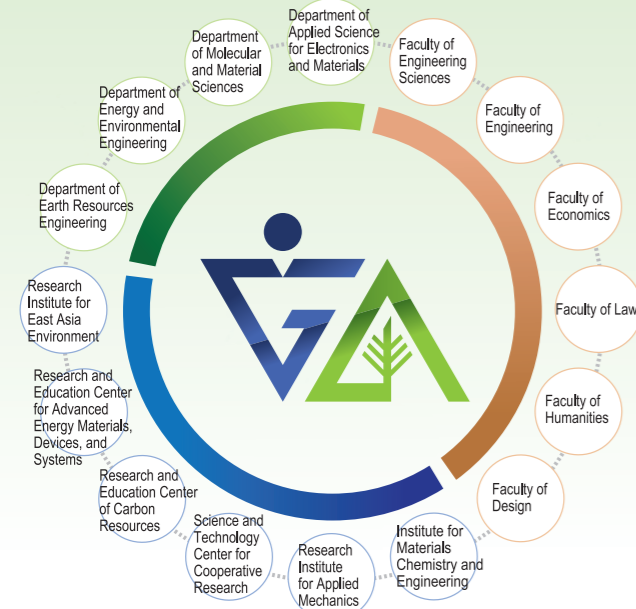
- ▶ **Hideo Nagashima**  
Professor, Department of Molecular and Material Sciences
- ▶ **Shigeru Koyama**  
Professor, Department of Energy and Environmental Engineering
- ▶ **Kazuhide Ito**  
Associate Professor, Department of Energy and Environmental Engineering
- ▶ **Aya Hagishima**  
Associate Professor, Department of Energy and Environmental Engineering
- ▶ **Tsuyoshi Hirajima**  
Professor, Department of Earth Resources Engineering
- ▶ **Koichiro Watanabe**  
Professor, Department of Earth Resources Engineering
- ▶ **Naoko Okibe**  
Associate Professor, Department of Earth Resources Engineering
- ▶ **Hiroshige Matsumoto**  
Professor, International Institute for Carbon-Neutral Energy Research (I2CNER)
- ▶ **Yuji Ohya**  
Professor, Wind Engineering, Department of Aeronautics and Astronautics
- ▶ **Yuji Tsuburaya**  
Professor, Department of Philosophy
- ▶ **Toshiyuki Fujita**  
Professor, Department of Economic Engineering
- ▶ **Kayoko Kondo**  
Associate Professor, Department of Design
- ▶ **Yasuyuki Nakao**  
Research Professor, Green Asia Education Center
- ▶ **Bidyut Baran Saha**  
Professor, Green Asia Education Center
- ▶ **Hiroshi Furuno**  
Associate Professor, Green Asia Education Center
- ▶ **Andrew Spring**  
Assistant Professor, Green Asia Education Center
- ▶ **Yuuichi Orimoto**  
Assistant Professor, Green Asia Education Center

- ▶ **Hajime Miki**  
Assistant Professor, Green Asia Education Center
  - ▶ **Keisuke Yamamoto**  
Assistant Professor, Green Asia Education Center
  - ▶ **Takashi Watanabe**  
Assistant Professor, Green Asia Education Center
  - ▶ **Tomoaki Watanabe**  
Assistant Professor, Green Asia Education Center
  - ▶ **Naoko Mae**  
Assistant Professor, Green Asia Education Center
- Overseas Mentors**
- ▶ **Prof. Md. Sekul Islam**  
University of Dhaka, Bangladesh
  - ▶ **Prof. Nilesh J. Vasa**  
Indian Institute of Technology Madras, India
  - ▶ **Prof. Rudy Sayoga Gautama**  
Institut Teknologi Bandung, Indonesia
  - ▶ **Prof. Megat Johari Megat Mohd Noor**  
Malaysia Japan International Institute of Technology / Universiti Teknologi Malaysia, Malaysia
  - ▶ **Prof. Kim Choon Ng**  
National University of Singapore, Singapore
  - ▶ **Prof. Taweechai Amornsakchai**  
Mahidol University, Thailand
- Technical Mentors**
- ▶ **Mr. Shinya Okada**  
Daikin Industries, Ltd.
  - ▶ **Mr. Takahiro Tsuneyoshi**  
Fukuoka Prefectural Government
  - ▶ **Prof. Tatsuro Harada**  
Kyushu Electric Power Co., Inc.
  - ▶ **Dr. Manabu Takahashi**  
Nippon Steel & Sumitomo Metal Corporation
  - ▶ **Dr. Yoshiaki Mori**  
Sumitomo Metal Mining Co., Ltd.
  - ▶ **Dr. Yasushi Nakamoto**  
Ube Industries, Ltd.



Kyushu University Program for Leading Graduate Schools  
Advanced Graduate Program in  
Global Strategy for **Green Asia**

## Kyushu University



## Government-Industry-Academia Partnerships



Kyushu University Program for Leading Graduate Schools  
Advanced Graduate Program in  
Global Strategy for **Green Asia**

■ Main Office  
Room 313 E-building 3F 6-1, Kasuga-koen, Kasuga, Fukuoka, 816-8580  
TEL▶ +81-92-583-7823/7825 FAX▶ +81-92-583-7823

■ Ito Branch Office  
Room 641 West Zone 2 Building, 744 Motooka, Nishi-ku, Fukuoka, 819-0395  
TEL▶ +81-92-802-6660 FAX▶ +81-92-802-6660

E-mail: [greenasia@ga.kyushu-u.ac.jp](mailto:greenasia@ga.kyushu-u.ac.jp)  
<http://www.tj.kyushu-u.ac.jp/leading/en>



**KYUSHU**  
UNIVERSITY

## Program for Leading Graduate Schools

The Program for Leading Graduate Schools seeks to recruit talented individuals with traits of creativity and foresight who can play an active role in government, industry, and academia on a global scale. Our program offers a first-rate education, and trains students to work across a wide spectrum of platforms. With this approach, we are supporting a radical reformation of the graduate school system in Japan, and promoting the formation of a future-oriented renowned educational institution.

Kyushu University Interdisciplinary Graduate School of Engineering Sciences (IGSES) and the Department of Earth Resources Engineering, Graduate School of Engineering, have teamed up to build a unique curriculum for this particular program. Graduate students who are engaged in one of the three specialized research fields: materials science, system engineering, and resources engineering, will also study environmental science, basic sociology and economics. In addition, with the knowledge and practical experience gained domestically and overseas students will be able to attain the five key competencies of research, practical understanding, global perspective, objective appraisal, and leadership, to build a human resource network in Asia, and to receive a doctoral degree with from the "Advanced Graduate Program in Global Strategy for Green Asia" at the end of their studies.

## Energy Innovation from Asia to the World Leadership Program in Science and Technology

Our educational program aims at developing leadership in science and engineering to realize a balanced greening and economic growth in Asia. The entire world faces the challenge of maintaining positive economic growth, while drastically reducing resource consumption. Asia encompasses a large cultural and social diversity, and it is a typical melting pot model of an area with complex economic and environmental problems.

An effective strategy was never implemented for countries to accomplish sustainable economic growth while dealing with environmental and resource restrictions related to mass consumption of fossil fuels. In this century, the role of our country is to develop a global model, which distinguishes from the existing Western-centric model to realize a Green Asia. Negative influences from globalization have emerged, such as the ever-widening gap between the rich and poor, rapid energy consumption in Asia and fossil resources price hike. The Global Strategy for Green Asia is a flexible approach based on social, industrial, and economic factors that are derived from Asian and Oceanic history and culture. Such an approach with a strong global network may generate a synergistic effect between greening and growth.

## Candidate Cultivation

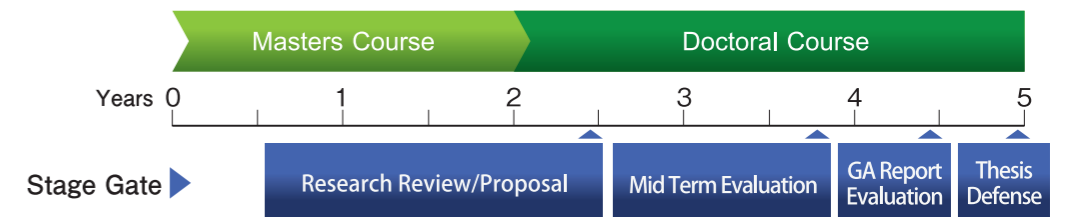
**Cultivating leadership in science and engineering, with the concept of added-value-oriented green engineering, to ensure the coexistence of greening and economic growth (Green Asia).**

Successful candidates have the opportunity to be trained in one of the program's three specialized fields: materials science, system engineering, and resources engineering, with additional lectures on environmental science, and basic sociology and economics. Furthermore, candidates can network with other professionals in Asia through educational training offered domestically and overseas. Candidates who have completed all the required training can assume leading roles in the field with the five key competencies: research, practical understanding, global perspective, objective appraisal, and leadership.

## Program Features

1. Educational System Development: Accepting a wide range of domestic and international students, the program provides interdisciplinary graduate education in addition to promoting reform in the educational system.
2. Curriculum: Apart from the science and engineering studies (including international and industrial internships and international exercises), humanities and other social-science subjects are included in the curriculum (Green Asia research paper).
3. Mentoring Care Unit (MCU): An evolutionary guidance care unit is included.
4. Asia Collaboration Network and Government-Industry-Academia Partnerships: The program connects more than 30 research institutions across Asia and works with 58 organizations within Japan to construct an industrial system in Green Asia through the application of both humanities and sciences.
5. Education Quality Assurance and External Assessment: Preparing educational results and a guidance portfolio by students.
6. Added-Value-Oriented Green Engineering: The program trains individuals to acquire the abilities of upstream thinking, problem analysis, and solutions to accomplish the goal of a Green Asia.
7. Establishment of the Green Asia Education Center

## Degree Program (For oversea student)



## Global Strategy for Green Asia Program

