

Hitachi Scholarship Research Support Program for 2018 Application Guidelines

The Hitachi Global Foundation (hereinafter referred to as “the Foundation”) offers Research Support Grants (hereinafter referred to as “the grants”) to faculty members of eligible universities in Southeast Asia who wish to conduct research in natural sciences or interdisciplinary research connecting natural sciences and social sciences that contribute to solving social issues at Japanese universities or research institutions.

1. Applicant Eligibility

Applicants must satisfy all the following criteria:

- (1) PhD holder
- (2) Faculty member of one of the eligible universities shown in Appendix 1
- (3) Under the age of 46 as of October 31, 2017

2. Field of Research

The program targets research that contributes to solving social issues in the field of natural sciences in the following three categories and interdisciplinary research connecting natural sciences and social sciences. The details of each research category are shown in the classification table in Appendix 2.

- (1) Energy, Environment
- (2) Urban Development, Transportation
- (3) Healthcare

3. Contents of Grants

The contents of the grants are as follows:

- (1) Maintenance allowance: 180,000 yen per month (6,000 yen per day)
- (2) Travel expenses: Economy class round-trip airfare ticket between the nearest airport of the grantee’s university and the airport in Japan, and travel expenses between the airport in Japan and the place of the grantee’s research affiliation, including expenses to visit the Foundation.

4. Period of Research

Applicants must propose a research period after consultation with potential host scientists, considering the following conditions:

- (1) Grants are awarded for a period of a maximum of 12 months.
- (2) Commencement of the research in Japan must be no later than 31 March 2019.

5. Reporting Responsibility

Grantees must submit the research report to the Foundation within one month after leaving Japan. In principle, the report will be posted on the Foundation website. In addition, if necessary, grantees will be asked to give a presentation of the result of their research.

6. Selection Process and Schedule

The selection process and schedule is as follows. The president's office or international office of each eligible university is where applicants must contact to acquire information in the first place. Through the call for applications to the notification of result, any important information will be directly sent to each office of eligible universities.

Beg of Jul	< Call for Applications >
End of Oct	< Application Deadline >
Nov – Feb	Screen application documents
Dec – Feb	Conduct interviews with applicants
Feb – Apr	Meet host scientists, if necessary
Apr – May	Selection committee sits
End of May	< Notification of Result >

7. Application

7-1. Call for applications

The Foundation invites eligible universities to apply for the program and each eligible university distributes the information to potential applicants within the university.

7-2. Submission of application documents

Applicants must submit the following documents:

- (1) Application Form: Typewritten in English (Handwriting is not accepted) in original Microsoft Word format. (Do not convert into any other format.)
- (2) Photograph: Approx. 4.5cm x 3.5cm size, taken within the past 6 months.
- (3) Certificate of PhD: In English, or with an English translation attached. PDF scanned format. (Photocopies will not be accepted).
- (4) Letter of Recommendation: From the head or dean of the faculty to which the applicant belongs. Free format in English, converted into PDF format.
- (5) Letter of Acceptance: From the host scientist of the Japanese university or research institution where the applicant wishes to conduct research. Free format in English, converted into PDF format.
- (6) Papers Submitted by Applicant: For the selection committee to refer to in evaluating the application. (Submit no more than three papers.)

7-3. Selection Criteria of Application Documents

Application documents will be evaluated based on the following criteria:

- (1) Social importance of the research
- (2) Originality, innovativeness
- (3) Academic significance
- (4) Others

7-4. Submission Methods and Deadline

Application documents must be endorsed by the president's office of the applicant's university and be submitted to the following e-mail address through the said office **by October 31, 2017**. Neither personal nor direct applications from applicants to the Foundation will be accepted.

Applications must be submitted with all the required documents. Any applications missing required documents will be automatically rejected. The Foundation reserves the right to request any other additional documents or information.

E-mail address: hitachizaidan@hdq.hitachi.co.jp

8. Notification of Result

The results will be sent to all presidents' offices of eligible universities and only to successful applicants by e-mail around the end of May 2018.

Contact Details

Hitachi Scholarship, The Hitachi Global Foundation

Tel: +81-3-5221-6679 E-mail: hitachizaidan@hdq.hitachi.co.jp

Appendix 1: Eligible Universities

Indonesia

Bandung Institute of Technology
Gadjah Mada University
Institut Teknologi Sepuluh Nopember
University of Indonesia

Malaysia

University of Malaya
University of Technology Malaysia

Singapore

The National University of Singapore

Thailand

Chiang Mai University
Chulalongkorn University
King Mongkut's Institute of Technology Ladkrabang
King Mongkut's University of Technology Thonburi
Khon Kaen University

The Philippines

University of the Philippines (Diliman, Los Banos)

Vietnam

Hanoi University of Science and Technology
Ho Chi Minh City University of Technology

Appendix 2: Field of Research

The table below describes the target categories of our support. Applicants must choose one category best suited to their research. If the research does not fall exactly under a specific category in this table, choose the one that is closest.

Category	Sub-Categories	
(1) Energy, Environment	a. Human and society	Ecosystem services and biodiversity / Reduction of environmental impact from manmade disasters / Communications and network environments / Robots, artificial intelligence, and labor and education environments
	b. Nanotechnology, Materials	Solar batteries / Artificial photosynthesis / Fuel cells / Thermoelectric conversion / Electric storage devices / Power semiconductor devices / Green catalysts
	c. Stable supply of high-grade energy	Integrated system of distributed power supply and renewable energy / Energy network technology
	d. Supply of services with high energy efficiency	Use of networks and Big Data / Energy supply and demand management systems that use demand side resources / Next generation transportation and shipping systems / Smart production
	e. Sustainable production and consumption	Green technology in manufacturing industry (zero emissions, environmentally conscious designs) / Recycling technology by developing countries (small-scale bio-gasification equipment)
	f. Environmental management based on observation, measurement and information	Global environmental monitoring (remote sensing and measurement) / Enhancement and utilization of environmental information infrastructure (ubiquitous information, environment Big Data, GIS)
(2) Urban Development, Transportation	g. Human and society	Self-driving vehicles / Urbanization and biodiversity and environmental impact
	h. Sustainable human residences	City and regional planning (compact cities, infrastructure control, and their management) / Technology adapted for human residences in developing countries
	i. Nanotechnology, Materials	Structural materials (metal, composite) / Separation membranes for water treatment / High temperature superconductivity / Sensing device systems / Decontamination and volume reduction of the radioactive substances
	j. Social infrastructure, Big Data	Traffic control / Disaster prevention
	k. Next generation mobility technology	Interdisciplinary technologies and control in civil and traffic engineering, machine and vehicle engineering, and information and communications engineering / Roads, railroads, and public transportation / Urban planning and infrastructure
(3) Healthcare	l. Human and society	Ethical, legal, and social issues accompanying regenerative medical science / Medical care enhancement / Regulatory science / Personalized medicine / Health examinations and health management
	m. Nanotechnology, Materials	Biomaterials / Nano drug delivery systems / Nano measurement and diagnostic devices / Nano imaging
	n. Next generation basic technology	Bio-Imaging / Trans-Omics (integrated omics analysis) / Micro-biome / Big Data in the life science field
	o. Regenerative medicine	Materials for regenerative medicine
	p. Treatment, Care, Assistive devices	Robotics / Use of ICTs in medical treatment devices

Handling of personal information

Personal information that the Foundation receives from applicants will only be used for the purpose of conducting this program (including the selection of applicants, notification of results, administrative tasks, etc.) The Foundation will never disclose this information to third parties or use it for any purposes other than conducting the program.