

## Kyushu Institute of Technology

Kyushu Institute of Technology (KIT) is a Japanese national university founded in 1909. The university is located at the city of Kitakyushu. Kitakyushu with a population of 1 million people has been known as the birthplace of Japanese modern industry. For the past 15 years, KIT has offered courses in space engineering for undergraduate and graduate levels. In 2004, KIT established the Laboratory of Spacecraft Environment Interaction Engineering (LaSEINE) as a special research centre dedicated to studies on spacecraft charging, spacecraft material degradation and hypervelocity impact. In 2010, a new research division, the Centre for Nanosatellite Testing (CeNT) has been added to LaSEINE. CeNT provides all the environmental tests necessary for a nano-satellite with a size up to 50cmx50cmx50cm and a weight up to 50kg. In May 2012, HORYU-II, a nano-satellite built by KIT students, was launched to an orbit and operated successfully.

### Additional information:

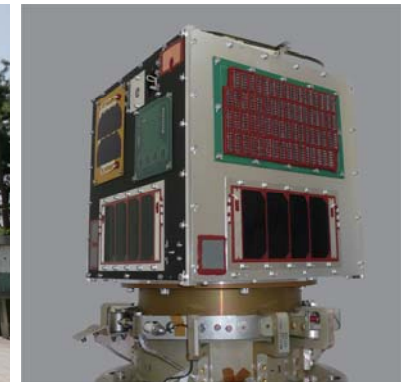
UN-OOSA: <http://www.unoosa.org/oosa/en/SAP/bsti/fellowship.html>

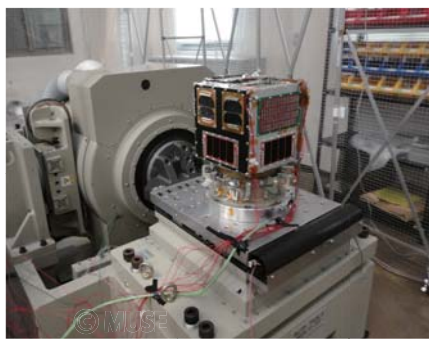
KIT: [http://cent.ele.kyutech.ac.jp/index\\_e.php](http://cent.ele.kyutech.ac.jp/index_e.php)



## United Nations/Japan Long-term Fellowship Programme on Nano-Satellite Technologies Hosted by Kyushu Institute of Technology, Japan

### Post-graduate study on Nano-Satellite Technologies





## Financial Arrangements

The selected participants will each receive a grant under Japanese Government (Mobukagakusho: MEXT) Scholarship (Research Students) of about 145,000 yen per month for the duration of their fellowship study (2 or 3 years) to cover housing, food, local transportation, etc. An economy class ticket between Japan and the participant's home country will be also provided by MEXT. Fees for matriculation, tuition and entrance examinations will be paid by KIT.

## Admission Requirements:

The PNST Programme candidates for Master degree are required to have completed Bachelor Degree or equivalent (4 years University degree) and the candidates for Doctorate degree are required to have completed Master Degree or equivalent (5 years University degree), both in engineering-related subjects. Other degrees in different technological fields can be considered by the Commission. Adequate written and spoken English language skills are required.

## Starting Date and Duration:

- October each year from 2013.
- 2 years for Master course
- 3 years for Doctorate course

## Total Number of Fellowships Available:

- Up to two per year for Master course
- Up to four per year for Doctorate course

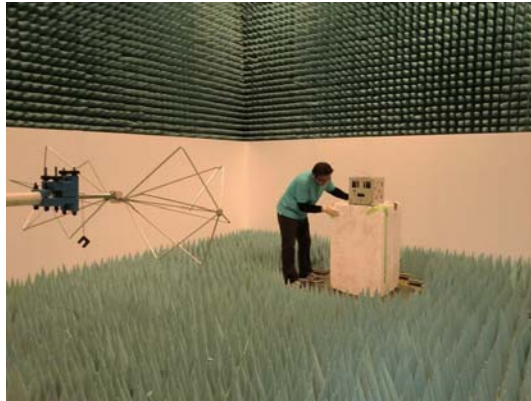
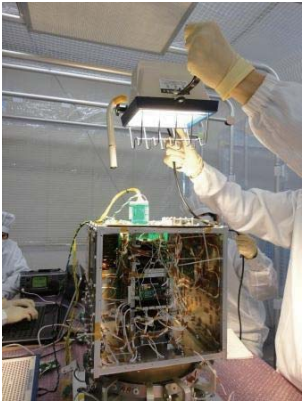
## How to apply

Fully completed application form and all other required documents should be submitted electronically to the United Nations Office for Outer Space Affairs. For further information and instruction please consult <http://www.unoosa.org/oosa/en/SAP/bsti/fellowship.html>. The final selection of the six successful candidates will be made by KIT after evaluation of the application documents received on the basis of the applicant's academic credentials and professional work experience.



## Purpose

The Post-graduate study on Nano-Satellite Technologies (PNST) programme is a training opportunity offered by Kyushu Institute of Technology (KIT) in collaboration with United Nations Office for Outer Space Affairs (UNOOSA) in the field of space technologies for students from developing countries where educational infrastructure for hands-on experience through nano-satellite development is limited. The programme aims to further worldwide nano-satellite development efforts and promote the peaceful and innovative use of outer space through the participation of a larger number of countries for the benefit of all mankind.



## Outline

The PNST Programme provides extensive research opportunities in nano-satellite systems through the use of space research facilities at KIT. Selected participants will join a space development project at KIT. Through the project, each participant is expected to identify a research topic and carry out the research work under the supervision of a KIT faculty. The participant is also required to satisfy the graduate course work requirement of Space Engineering International Course. Upon successful completion of a thesis and its defense, the participant is granted either a Master of Engineering or a Doctor of Engineering degree.