



國立中央大學 太空科學與工程研究所 太空科學與科技研究中心

**Center for Astronautical Physics and Engineering  
Institute of Space Science and Engineering  
National Central University**

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## **Faculty Opening**

### **Department of Space Science and Engineering National Central University, Taiwan**

The Graduate Institute of Space Science and Engineering at National Central University (NCU) in Taiwan invites applicants for one tenure track position at the assistant professor level or higher for the Department of Space Science and Engineering, which will be established effective August 1, 2020. Applicants should have a proven background in formulating, proposing, and executing research in astronautical engineering (including spacecraft components, scientific payloads, spacecraft subsystems, spacecraft and ground support systems engineering, radar systems, astrodynamics, global navigation satellite systems, and related fields). Additional experience in space science related fields is considered to be a plus.

## **Qualifications**

The applicants are expected to have a doctoral degree from an accredited university in a related field, such as aerospace engineering, electrical engineering, mechanical engineering, space science, or physics. The applicants should have a track record of formulating, executing, and publishing independent research recognized on a global level, and have the ability to secure external funding and build global partnerships. The applicants are expected to serve on departmental and university committees, and teach at both graduate and undergraduate levels, in English for certain classes, and advise students. Fluency in Mandarin Chinese is strongly preferred. Special consideration will be given to applicants with abilities complementing the mission of the NCU Center for Astronautical Physics and Engineering (CAPE), the objectives of Taiwan's Third National Space Program, as well as the development of Taiwan's space technology sector. The earliest date of appointment is August 1, 2020, but may be adjusted to later dates if required.

## **About Space Science and Engineering at National Central University**

NCU is located just 40 minutes outside Taipei in Taoyuan City – home to Taiwan Taoyuan International Airport and one of the most rapidly growing hotspots for the technology industry in Taiwan. Established in Taiwan in 1964 as a result of the International Geophysical Year of 1957/1958, NCU has a longstanding focus on the geosciences, particularly pertaining to space science, remote sensing, and astronomy. NCU has had a longstanding history of participation in Taiwan's national space program, providing satellite and sounding rocket payloads, as well as science data analysis and mission formulation.

The NCU Center for Astronautical Physics and Engineering was established in 2018, funded by the Taiwan Ministry of Education to build Taiwan's premier university space center combining both science and engineering research. The Graduate Institute of Space Science and Engineering

includes an independent graduate class, as well as an undergraduate class currently under the Department of Atmospheric Science. The Institute is in the process of complementing an established space science program with new aerospace engineering research and education capacity. Both the graduate and undergraduate programs will be merged into a full Department of Space Science and Engineering, effective August 1, 2020.

NCU Graduate Institute of Space Science and Engineering: <http://www.ss.ncu.edu.tw>

NCU Center for Astronautical Physics and Engineering: <http://cape.ss.ncu.edu.tw>

### **How to Apply**

To apply, please provide a portfolio containing the following information:

1. Cover letter and curriculum vitae, including resume, photograph, contact information, earliest starting date, and starting position level.
2. Copy of a government issued identification document, such as a passport or national identification card, showing date of birth and place of birth. Taiwan nationals are requested to provide address of household registration.
3. Proof of graduate education, including copies of doctoral diploma and dissertation, masters and PhD level transcripts, and Ministry of Education teaching certificate (if available). Documents from non-Taiwan institutions must be authenticated by the nearest overseas mission of Taiwan (ROC) as listed by the Ministry of Foreign Affairs (<https://www.mofa.gov.tw/en>).
4. List of publications over the past 5 years, including one first author paper selected as the applicant's representative work.
5. Statement of planned research and its relation to the future development of the Department.
6. Teaching Statement, describing potential undergraduate and graduate classes, as well as syllabi for the planned courses.
7. At least two letters of recommendation. References from the applicant's doctoral advisor are especially encouraged.

Please send paper and digital copies of the aforementioned documents to the following addresses:

Faculty Selection Committee  
Graduate Institute of Space Science & Engineering  
National Central University  
300 Zhongda Road  
Zhongli District, Taoyuan City 32001  
Taiwan

Email: [ncu5750@ncu.edu.tw](mailto:ncu5750@ncu.edu.tw)

Documents must be received by April 10, 2020 to be considered. Only applicants selected following the first round of internal review will be notified to arrange an oral interview.