
臺大輻射應用及
抗輻射技術研究中心
NTU Radiation Application and Hardness Technology Research Center

Introduction

臺大輻射應用及抗輻射技術研究中心
NTU Radiation Application and Hardness Technology Research Center

- This center is an inter-discipline research center jointly established by the Colleges of Engineering, the College of Medicine, the College of Bio-Resources and Agriculture, and the College of Electrical Engineering & Computer Science to coordinate with national economic development and cross-field research, with a view to applying it to radiation/anti-radiation technology, including space, satellite communications, internet of vehicles, medical care, agriculture, etc.

Missions

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1. Integrate research energy and equipment related to radiation applications and radiation-resistant technology systems, engage in cross-field research exchanges, expand the research and development of forward-looking and practical radiation applications, and formulate consultation and technical support for radiation-resistant policies.

2. Cultivate talents in fields related to radiation resistance technology and accelerate research on radiation applications.

Members

電機資訊學院

陳信樹教授
Hsin-Shu Chen

蔡坤諭教授
Kuen-Yu Tsai

李俊興教授
Chun-Hsing Li

生物資源暨農學院

蔡孟勳教授
Mong-Hsun Tsai

蔡沛學教授
Pei-Shiue Tsai

羅翊禎教授
Yi-Chen Lo

醫學院

郭頌鑫教授
Sung-hsin Kuo

王駿瑋教授
Chun-Wei Wang

工學院

李佳翰教授
Jia-Han Li

梁祥光教授
Hsiang-Kuang

劉建豪教授
Chien-Hao Liu

蕭惠心教授
Hui-Hsin Hsiao

Important Facility

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- It is combined with the proton therapy equipment of the National Taiwan University Cancer Center to facilitate experiments.

NTU Cancer Center

Proton therapy system cyclotron

Connections

- By joining the Taiwan Space Radiation Environment Testing Alliance in May 2024, our center has become part of a one-stop service for space radiation testing of electronic components. It can communicate and cooperate with all alliance units and the industry, and conduct research based on test data.

Budget

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- Center members have received project funding subsidies from the following units: Taiwan Space Agency (TASA), Nuclear Safety Commission, TSMC, National Science and Technology Council, National Taiwan University - Taipei Medical University, National Chung-Shan Institute of Science and Technology, etc.

國家太空中心
Taiwan Space Agency
TASA

tsmc
台灣積體電路製造股份有限公司
Taiwan Semiconductor Manufacturing Company, Ltd.

NSTC 國家科學及技術委員會
National Science and Technology Council

核能安全委員會
Nuclear Safety Commission

TAIPEI MEDICAL UNIVERSITY
臺北醫學大學
TAIPEI MEDICAL UNIVERSITY

Recent Activities

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- The center released the key points for setting up in December 2023, and joined the Taiwan Space Radiation Environment Testing Alliance in May 2024. In June, the Center host an Industry-Academic Cooperation Forum and the operation of the center is gradually on the right track.

Participating in the Taiwan Space Radiation Environment Testing Alliance Radiation Resistant Electronic Components Industry Forum

the Center host an Industry-Academic Cooperation Forum

Future Development

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3年

- Combining the energy of domestic industry, academia and research, promote the research energy and equipment of radiation applications and anti-radiation technology systems in relevant departments, and promote industry-university small alliances or integrated characteristic research projects.
- Leverage the energy of the four colleges of the center to teach cross-field courses, cultivate talents in fields related to radiation resistance technology, and accelerate research on radiation applications.

5年

- Expand the research and development of forward-looking and practical radiation applications and radiation-resistant technology.
- Consultation and technical support for domestic and foreign industry, academia and research institutes in formulating anti-radiation policies.

Thank you!

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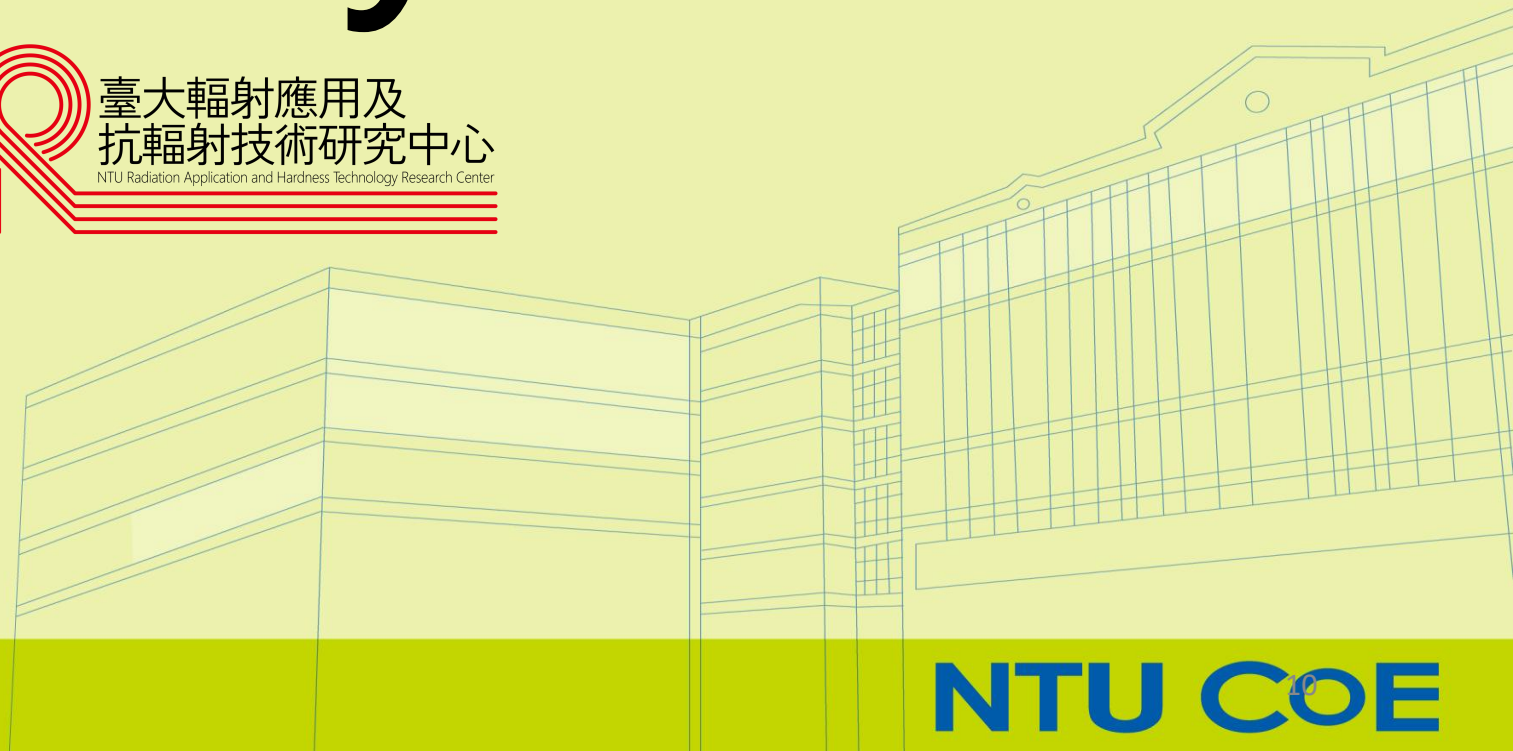

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