

NCKU AISSM International Seed Fund Program

NCKU AISSM is dedicated to promoting international collaboration. This seed fund program aims to drive cooperation in the fields of semiconductor design, packaging, testing, materials, as well as smart and sustainable manufacturing.

This program seeks to initiate new international research collaborations that will scale up with external funding afterward, promoting innovation and sustainability in the semiconductor industry.



Funding and Project Requirements

NCKU AISSM will fund

4 collaborative projects with universities in the US and Europe (up to USD10,000 per project) and
2 collaborative projects with universities in Asia (up to USD3,000 per project) for 2025.

Requirements

Proposals must include a joint research plan
with an international Co-Principal Investigator.

Successful proposals should include:

- Objectives, outcomes, sustainability, and future funding plans.
- Student mobility in both directions
- Matching funds from the international partner institutions

There will be no fund transfers between institutions.

Areas for Cooperation

☐ INTEGRATED CIRCUIT DESIGN

[PICD Overview & Faculty](#)

☐ SEMICONDUCTOR MANUFACTURING TECHNOLOGY

[PSMT Overview & Faculty](#)

☐ SEMICONDUCTOR PACKAGING AND TESTING

[PSPT Overview & Faculty](#)

☐ KEY MATERIALS

[KMAT Overview & Faculty](#)

☐ SMART AND SUSTAINABLE MANUFACTURING

[PSSM Overview & Faculty](#)

Priority Partner Universities

North America Partners

University of Arizona
Arizona State University
Northern Arizona University
Purdue University
University of Ottawa

Asian Partners

IIT Madras (India)
IIT Gandhinagar (India)
Institute of Science Tokyo (Japan)
Kumamoto University (Japan)
Kyushu University (Japan)

European Partners

Eindhoven University of Technology (Netherlands)
Technische Universität Dresden — TU Dresden (Germany)
Czech Technical University in Prague – CTU (Czech Republic)
University of Latvia (UL)
Vilnius Gediminas Technical University (Lithuania)



Eligibility Criteria

1 Co-Principal Investigators

An application will be made jointly by one NCKU professor and one professor from the international partner institutions, with both as Co-Principal Investigators of the projects submitted.

2 Faculty Status

They must be current tenure and tenure-track faculty members, or adjunct professors at NCKU AISM and the partner institution respectively. The current tenure and tenure-track faculty members will have the priority. The Co-PI can be the researcher of the research institute.

3 Student Mobility

Proposed projects must include student mobility in both directions, i.e., two-way exchange of students for short-term research stays between NCKU AISM and the partner universities.

4 Student Eligibility

Participating students must be registered full-time at NCKU AISM or at the partner universities. Undergraduate and graduate students are both eligible.

5 Funding Plan

The application must outline a plan for obtaining funding from both national and international sources to support their collaborative research projects.

Eligible Expenses

Meetings

Conducting meetings, workshops, or seminars.

Travel

Travel expenses for incoming and outgoing students.

Stipends

Stipends of incoming and outgoing students, post-doctoral fellows, and research personnel.

Application

1

Open until **April 30, 2025**

NCKU AISSM PI and Co-PI shall submit the complete application materials by emailing to Ms. Phoebe Lu at pphoebelu109@gs.ncku.edu.tw by **April 30, 2025**.

2

Provide the Letter of Support

A letter of support from the partner institution's administration committing to providing matching funding in case the application is successful will be required.

3

Review and Evaluation

Results will be released by April 25, 2025.

The successful projects must be completed by **May 31, 2027**.

Program Contact

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Application Form

Deadline: **April 30, 2025**

Application Form EUS

Collaborative projects with
universities in the US and Europe

Application Form Asia

Collaborative projects with universities in Asia

Review and Implementation

Results: **May 13, 2025.**

Projects to be completed: **May 31, 2027.**