



ACADEMIA SINICA  
TIGP-ESS




# STUDENT **HANDBOOK**

WELCOME TO OUR ESS

"The road to success is not easy to navigate,  
but with hard work and perseverance, you  
can achieve academic excellence."

— Albert Einstein

大胆的假设，  
小心的求证。  
適



# Welcome Message



**Dr. Tung-Yuan Ho**  
*Coordinator of TIGP-ESS*

Welcome to TIGP-ESS! Embarking on a Ph.D. journey is a collaborative effort that requires strong communication and shared goals between students and their advisors.

This handbook is designed to serve both students and advisors, providing essential information to help navigate this process smoothly. We expect students fully commit to their study, managing their time efficiently to complete the required coursework and qualification exam within the first two years. At the same time, students should actively engage in discussions with their advisors to explore their thesis direction and begin their research as early as possible.

We encourage advisors to regularly dedicate time to understanding their students' progress and challenges, providing timely advice and support. We are always available to assist with any challenges that arise. We hope this journey is not only academically rewarding but also an exciting and memorable experience for both students and advisors. We wish you a successful and fulfilling research journey.

## Program Office Contact

TIGP-ESS Assistant at **Academia Sinica**

Ms. Anne Ching-Hui Chiu

+886-2-27875815

[annechiu@as.edu.tw](mailto:annechiu@as.edu.tw)

TIGP-ESS Assistant at **National Central University**

Ms. Emma Su-Pin Cheng

+886-3-4227151#65678

[emacheng@ncu.edu.tw](mailto:emacheng@ncu.edu.tw)

TIGP-ESS Assistant at **National Taiwan University**

Ms. Jesica Ying-Zhen Chen

+886-2-33662918

[cychen703@ntu.edu.tw](mailto:cychen703@ntu.edu.tw)

# TIGP-ESS Committees

## Coordinators & Assistants

### AS

Tung-Yuan Ho 何東垣  
Anne Ching-Hui Chiu 邱晴惠

### NCU

Tso-Ren Wu 吳祚任  
Emma Su-Pin Cheng 鄭素彬

### NTU

Shu-Huei Hung 洪淑蕙  
Jessica Ying-Zhen Chen 陳盈蓁

## Student Recruitment Committee

### AS

\* Yi-Ying Chen 陳奕穎  
Yu-Chang Chan 詹瑜璋  
Shih-Yu Lee 李時雨  
Mao-Chang Liang 梁茂昌

### NCU

Chuen-Fa Ni 倪春發  
Po-Fei Chen 陳伯發  
Jia-Yuh Yu 余嘉裕

### NTU

Cheng-Ku Yu 游政谷  
Yih-Min Wu 吳逸民  
Jr-Chuan Huang 黃誌川

## Academic Committee

### AS

\* Eh Tan 譚諤  
Chuan-Yao Lin 林傳堯  
I-Chun Tsai 蔡宜君  
Kwan-Nang Pang 彭君能

### NCU

Ping-Yu Chang 張竝瑜  
Shih-Jung Wang 王士榮  
Kao-Shen Chung 鍾高陞

### NTU

Jen-Ping Chen 陳正平  
Yu Wang 王昱  
Ray Y. Chung 莊昀叡

## Student Affairs Committee

### AS

\* Wu-Cheng Chi 戚務正  
Chian-Yi Liu 劉千義  
Yunung Nina Lin 林玉儂  
Yi-Chun Chen 陳怡均

### NCU

Yuei-An Liou 劉說安  
Tien-shun Lin 林殿順  
Jia-Yuh Yu 余嘉裕

### NTU

Ludvig Löwemark 施路易  
Tzai-Hung Wen 溫在弘  
Min-Hui Lo 羅敏輝



\* Chair of the committee



# For Newcomers

---

Dear New students,

Welcome to ESS family! We would like to bring your attention to the following three issues to ensure that the beginning of your research journey at TIGP goes smoothly.



## Stipend and Tuition

To start receiving your monthly stipend, you have to submit a proof or certificate of the enrollment in your affiliated university to ESS program office every semester. So please pay your tuition in time every semester. Please also remember to update your personal information through the portal system of your affiliated university (NCU-Portal or NTU-My NTU).



## Consent Form for Advisor and Co-advisor

The potential advisor chosen in your TIGP application document would be your advisor for the first year. You need to submit the Consent Form for Advisor (Appendix-01) to the program office. Before the end of the first year, you have to submit the Consent Form for Co-advisor (Appendix-02).



## Progress Report

At the end of the first and second year, you need to submit your academic progress report (Appendix-03 & 04) to inform the program committee about your research progress. The evaluation will influence your stipend level.

# Graduation 1-2-3

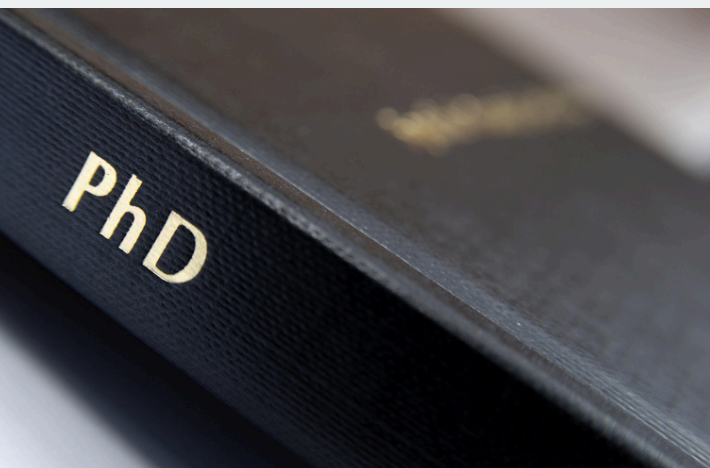


## 1 Take courses

- Minimum credit requirement
- Required course
- Core course
- Elective course
- Additional Requirement

## Complete QE 2

- Pass the QE by **the end of the third academic year**
- Complete required and 2 core courses
- Submit your study plans by the end of first year
- Submit a research proposal
- Obtain advisor's approval
- QE Format



## 3 Thesis Defense

- Prerequisite
- How to do it
- After defense

# 1. Take Courses



## Minimum credit requirement

18 credits (w/M.S. degree)  
34 credits (w/B.S. degree)

## Course Distribution

### Required Course

- Introductory Earth System Science (3 credits)
- Seminar and Research Discussion\* (4 credits, credit/per semester)

\*Not included in the graduation credits.

---

### Core Course\*

\*Take and pass at least 2 out of the 5 courses

- Global Hydrological Cycles (3 credits)
- The Solid Earth (3 credits)
- Anthroposphere and Sustainability (3 credits)
- Atmospheric Sciences (3 credits)
- Environmental Ecology and Biodiversity (3 credits)

---

### Elective Course

Only courses taken from ESS or other TIGP programs are eligible to fulfill course credit requirement.

---

### Additional Requirement

- 1-year Elementary Chinese\* (mandatory for non-native speaker students)
- Ethics Course

\*For students passing Chinese Course Waiver Test, the requirement of this Chinese course may be waived.

## 2. Complete QE (Qualification Exam)



Students who do NOT pass the QE by **the end of the third academic year** would be dismissed by TIGP. Students who fail the first QE may apply for the 2nd one within half year. Students can take the QE no more than twice.

### How to do it

Students have to submit their study plans by the end of first year. After completing Introductory Earth System Science and two (or more) core courses, submitting a research proposal, and obtaining the approval of student's advisor, students can apply for Ph.D. candidate QE ([Appendix-05 & 06](#)).

### QE format

The QE Committee, which is formed by the invitation of thesis advisor, is responsible for deciding the format of the QE ([Appendix-07](#)).



# 3. Ph.D. thesis defense



## Prerequisite

- Fulfill courses and credit requirements.
- Complete QE.
- Publish at least one paper in an international journal.



## How to do it

Students shall prepare their doctoral thesis according to the relevant specifications and requirements of the university affiliated.

Apply the defense through NCU or NTU portals and follow the regulation of the university affiliated. The defense will take the form of a public speech followed by an oral examination.



## After defense

After the approval of advisor, the revised and finalized electronic thesis document should be submitted to ESS assistant (Anne Chiu) one week before leaving Academia Sinica.

Please complete the school leaving procedure from the university affiliated and from TIGP-ESS ([Appendix-08](#)).





# About Your Publication



## Affiliation & Address

### Publication Authorship

When you publish any paper during your time in TIGP program, your authorship should follow the format as the below , and the order of 1-2-3 is to be decided by the advisor and the student.

1. Program name, TIGP, Academia Sinica
2. Partner University
3. Affiliated institute of your advisor

### Affiliation Example (1):

1. Earth System Science Program, Taiwan International Graduate Program, **Academia Sinica**, Taiwan
2. Department of Earth Sciences, **National Central University**, Taoyuan 32001, Taiwan
3. Institute of Earth Sciences, Academia Sinica, Taipei 11529, Taiwan

### Affiliation Example (2):

1. Earth System Science Program, Taiwan International Graduate Program, **Academia Sinica**, Taiwan
2. Earth System Science Program, Taiwan International Graduate Program, **National Taiwan University**, Taipei 10617, Taiwan
3. Research Center for Environmental Changes, Academia Sinica, Taipei 11529, Taiwan



## Acknowledgment

We kindly request that you include acknowledgement to the financial support from TIGP in the Acknowledgment section of your publication.





# Stipend & Grant

---



## Stipend

- All first-year students will receive a stipend of \$34,000 NTD per month.
- Second-year students will continue receiving the same amount of stipend if their first-year academic performance is rated as good or excellent by their advisors .
- After two years, the stipend is expected to remain at the same level or increase if academic performance continues to be rated as good or excellent by the advisors.
- The stipend may be increased to \$50,000 NTD per month after passing the QE.



## Supplement Stipend

Academia Sinica has decided to increase the stipend for Ph.D. students starting from September 2023.

Currently, the average monthly stipend for Ph.D. students at Academia Sinica is NT\$34,000. To raise this average, we will provide an additional monthly subsidy of NT\$6,000 for first- and second-year Ph.D. students, and an additional NT\$16,000 per month for third- to fifth-year Ph.D. students who have passed their QE. This is expected to increase the average monthly stipend to NT\$40,000 for first- and second-year students, and to NT\$50,000 for third- to fifth-year students. This measure will apply to Ph.D. students who are on the payroll of Academia Sinica



## Travel Grant

TIGP offers a Travel Grant for students to attend academic conferences abroad. Students applying for the grant are required to give an oral presentation or present a poster at a major or significant international conference.

# Fellowships

---

Academia Sinica's mission includes enhancing the international competitiveness of the TIGP program, cultivating research talent, and rewarding Ph.D. students in this program who achieve outstanding research results. To achieve this goal, these Fellowships have been specifically established.

## Research Performance Fellowship

### **Eligibility:**

Full-time TIGP Ph.D. candidates or students who have passed their qualifying exams with distinction are eligible to apply.

### **Fellowship Amount:**

Research Performance Fellowship awardees can receive an additional NT\$6,000 per month for one year.

### **Number of Awardees:**

A maximum of 40 awardees per year.

---

## Presidential Fellowship

The Presidential Fellowship candidates will be selected from the Top awardees of "Research Performance Fellowship", and the candidates will compete for the award through the interviews and oral presentations.

Presidential Fellowship awardees can receive an additional NT\$16,000 per month for one year.



# Leave regulations

---

01

## Student Leave Application Form (Appendix-09)

If you need to take personal leave for either academic or non-academic purpose, it is required to apply it throughout the entire year, either during the semester periods or summer/winter break. Even though you do not take any courses, you have to apply personal leave.

To apply personal leave within 7 days during semester period, you have to obtain the approvals of your thesis advisor and the chair of student affairs (Appendix-09). For personal leave longer than 7 days, the application requires ESS coordinator's approval in addition to your advisor and the student affairs chair. During summer and winter breaks, the regulation for the approval still applies. Certainly, you should inform the professors of the courses that you take and receive their approvals too.

Please fill in **Student Leave Sheet** and complete the application described above if you want to extend the leave period.

---

02

## Suspension of Stipend

### **Suspension of TIGP Stipend (NT\$34,000)**

Your TIGP stipend will be temporarily suspended until you return if you take personal leave longer than 14 days.

### **Suspension of Supplement Stipend (NT\$6,000 or NT\$16,000)**

The supplement stipend provided by Academia Sinica for TIGP students may continue during academic leave (e.g., for fieldwork, conference participation, or short-term academic visits under 6 months), provided your advisor confirms active research participation.

For non-academic personal leave exceeding 14 days, the supplement stipend may be temporarily suspended from the 15th day, and will be reinstated and paid retroactively upon your return to Taiwan.



# APPENDIX

**1      Consent form for advisor**

**2      Consent form for co-advisor**

**3      1st year Progress Report**

**4      2nd year Progress Report**

**5      Application for Qualifying Exam Form**

**6      Completion of Qualifying Exam Form**

**7      Checklist of Graduation Requirements**

**8      Application Form for Leaving Department**

**9      Application for Leave form**

**10     Contact List**

**11     TIGP-ESS Ph.D.**

**12     TIGP-ESS Faculty**

**Taiwan International Graduate Program**  
in  
**Earth System Science**

**Consent Form for Advisor**

From the academic year \_\_\_\_\_, I agree to supervise graduate student : \_\_\_\_\_ name ( Student ID : \_\_\_\_\_ ) at

- ☐ Academia Sinica  
☐ National Central University  
☐ National Taiwan University

Student sign : \_\_\_\_\_

Advisor sign : \_\_\_\_\_

Date :

yyyy / mm / dd

TIGP-ESS Coordinator or Director of University	Signature & Date	TIGP-ESS Coordinator of Academia Sinica	Signature & Date
---	------------------	---	------------------

Note:

1. According to TIGP-ESS guidelines, students may only select ESS professors as their thesis advisor. Students must fill in and submit this form to the ESS office.
2. Students shall confirm their advisor upon admission to the program. They shall also confirm their co-advisor before the end of the first year. The advisor and the co-advisor should be from Academia Sinica and the university respectively.
3. Please print three copies of the confirmation letter, sign them, and distribute them as follows: one to the advisor, one to TIGP-ESS program office, and one to be retained by the student.

**Taiwan International Graduate Program**  
in  
**Earth System Science**

**Consent Form for Co-Advisor**

From the academic year \_\_\_\_\_, I agree to co-supervise graduate student : \_\_\_\_\_ name ( Student ID : \_\_\_\_\_ ) at

- ☐ Academia Sinica  
☐ National Central University  
☐ National Taiwan University

Student sign : \_\_\_\_\_

Advisor sign : \_\_\_\_\_

Co-advisor sign : \_\_\_\_\_

Date :

yyyy / mm / dd

TIGP-ESS Coordinator or Director of University	Signature & Date	TIGP-ESS Coordinator of Academia Sinica	Signature & Date
---	------------------	---	------------------

**Note:**

1. According to TIGP-ESS guidelines, students may only select ESS professors as their thesis advisor. Students must fill in and submit this form to the ESS office.
2. Students shall confirm their advisor upon admission to the program. They shall also confirm their co-advisor before the end of the first year. The advisor and the co-advisor should be from Academia Sinica and the university respectively.
3. Please print four copies of the confirmation letter, sign them, and distribute them as follows: one to the advisor, one to the co-advisor, one to TIGP-ESS program office, and one to be retained by the student.



Taiwan International Graduate Program  
in  
Earth System Science  
Evaluation of student's 1<sup>st</sup> year progress report

Appendix 3

Name:

Student ID:

Enrollment Year:

考 核 事 項(items evaluated)

Courses taken

Courses Name	Grade	Courses Name	Grade

Co-advisor ☐ Appointed. Name of Co-advisor \_\_\_\_\_  
☐ Not yet appointed.

PhD Candidate Qualifying Examination Committee ☐ Formed.

Name of members of committee.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

☐ Not yet formed

Study plan ☐ Designed & Approved. ☐ Not yet approved.

Other comments from Advisor:


The Chairperson of Student Affairs Committee		Advisor	
--	--	---------	--

**Taiwan International Graduate Program**  
**in**

**Earth System Science**

Evaluation of student's 2<sup>nd</sup> year progress report

Name:

Student ID:

Enrollment Year:

考 核 事 項(items evaluated)		考 核 評 語(Comments)	
The Chairperson of Student Affairs Committee	Date:	Advisor	

**Taiwan International Graduate Program**  
in  
**Earth System Science**

**Request to take the PhD candidate qualifying examination**

Please complete the blanks below.

Name: \_\_\_\_\_

Affiliated school: ☐ National Central University ☐ National Taiwan University

Student ID: \_\_\_\_\_

Date first enrolled: \_\_\_\_\_ (month) \_\_\_\_\_ (Year)

Application attempt: ☐ First time ☐ Second time

Completed Course Requirements:

- ☐ Introductory Earth System Science
- ☐ At least Two(2) Core Courses ☐ Solid Earth
- ☐ Global Hydrological Cycles
- ☐ Atmospheric Science
- ☐ Environmental Ecology and Biodiversity
- ☐ Anthroposphere and Sustainability
- ☐ Study plan approved by your advisor and submitted to the Program office
- ☐ Research proposal has been submitted. Date of submission: \_\_\_\_\_

PhD Candidate Qualifying Examination Committee members (3-5 members, excluding the advisor):

Name	Affiliation	Position

Examination Format: ☐ Only Written exam ☐ Only Oral exam ☐ Written exam + Oral exam

Qualification Exam Date: \_\_\_\_\_

**Please read the following relevant regulations.**

1. Students who have not yet submitted their study plan are not permitted to apply for the PhD Candidate Qualifying Examination. (3-1-6)
2. Students must complete the Introductory of Earth System Science, at least two core courses, and submit a research proposal. Students can apply for the PhD Candidate Qualifying Examination after approval by the advisor. Examination arrangements shall be made by the Qualifying Examination Committee, and the examination method and courses shall be decided at their discretion. (3-2-7)
3. Students are limited to two (2) attempts at the PhD Candidate Qualifying Examination. Students who fail the examination must apply for a retest within six (6) months. Those who fail the retest must withdraw from the school and our program. (4-12)
4. Students must pass the PhD Candidate Qualifying Examination before completing the third (3rd) year of study (excluding absence periods). (4-13)
5. Students should submit a thesis research proposal within one year of passing the PhD Candidate Qualifying Examination. It should also be reviewed and accepted by the Qualifying Examination Committee. (4-14)
6. Students who have passed the PhD Candidate Qualifying Examination, completed all required classes, and submitted them to the Student Affairs Committee for approval are considered doctoral candidates. (4-15)

☐ **I have read, understood, and agreed to comply with this regulation**

Advisor's approval	Signature & Date	TIGP-ESS Program Office	Stamp & Date
The Chairperson of Student Affairs Committee	Signature & Date		

**Taiwan International Graduate Program**  
in  
**Earth System Science**

**Completion of the qualifying examination**

Please complete the blanks below.

Name: \_\_\_\_\_

Affiliated school: ☐ National Central University ☐ National Taiwan University

Student ID: \_\_\_\_\_

Date first enrolled: \_\_\_\_\_ (month) \_\_\_\_\_ (Year)

Application attempt: ☐ First time ☐ Second time

Qualifying exam taken: \_\_\_\_\_ (day) \_\_\_\_\_ (month) \_\_\_\_\_ (year)

Result: ☐ Pass ☐ Fail

Advisor's sign: \_\_\_\_\_

PhD Candidate Qualifying Examination Committee sign:

\_\_\_\_\_  
\_\_\_\_\_

(Other remarks: \_\_\_\_\_)

The chairperson of Student Affairs Committee	Signature & Date	TIGP-ESS Program Office	Stamp & Date
--	------------------	----------------------------	--------------

## Checklist of Graduation Requirements

Name:

Student ID:

Enrollment Year:

Check	Item	Description
	Credit requirement	<p>M.S. degree- 18 credit units B.S. degree- 34 credit units Note: exclude elementary Chinese and seminars and research discussion</p> <p><input type="checkbox"/> Required courses:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Introductory Earth System Science (3 credit units)</li> <li><input type="checkbox"/> Seminar and Research Discussion (4 credit units)</li> <li><input type="checkbox"/> Core courses (at least 2 courses) <ul style="list-style-type: none"> <li><input type="checkbox"/> Global Hydrological Cycles</li> <li><input type="checkbox"/> The Solid Earth</li> <li><input type="checkbox"/> Anthroposphere and Sustainability</li> <li><input type="checkbox"/> Atmospheric Sciences</li> <li><input type="checkbox"/> Ecosystem- Ecology and Biodiversity</li> </ul> </li> <li><input type="checkbox"/> Elective courses (.If elective courses are not offered by the ESS program, the credits cannot be included in the credits required for graduation. From 2021, TIGP-ESS does not recognize the elected courses taken at institutions outside TIGP.)</li> <li><input type="checkbox"/> 1-yr Elementary Chinese ( required for None native speaker students only)</li> </ul> <p>Note: Students are expected to complete at least 6 courses (at least 18 credit units, excluding elementary Chinese and seminars and research discussion courses) within the first two years of enrollment.</p>
	Research skill	Required research skills are at the discretion of the advisor. Students must meet the research skill requirements of their advisors.
	Thesis Advisor	Incoming students are expected to identify a thesis advisor. Each Co-advisor should be identified at the end of the first year of study in the program. Advisor and co-advisor should include one Sinica PI and one university TIGP professor. The formal assignment of a thesis advisor requires the agreement of the faculty member to serve in such a capacity and the approval by the student affairs committee. The student can change advisor, pending the approval of the Student Affair Committee.
	PhD Candidate Qualification Examination Committee	A PhD Candidate Qualification Examination committee, composed of three(3) to five(5) members with ranks of <b>assistant fellow/ professor</b> and above, shall be formed by the thesis advisor with input from the student to guide the student and evaluate his/her doctoral dissertation research. The composition of the thesis advisory committee must be approved by the



		Student Affairs Committee and submitted to the TIGP-ESS Office. (This regulation applies to students enrolled after September 2021.)
	Study Plan	A student must submit a study plan before the end of the first year. A study plan must include a course plan, a dissertation research theme, and a proposed timeline of milestones toward the degree. The study plan must be approved by the PhD Candidate Qualification Examination Committee.
	Annual Progress Report	The annual progress report shall be made out by the thesis advisor. The report shall be sent to ESS office before Aug. 15 <sup>th</sup> of every year. (The TIGP stipend will be renewed annually for 2 <sup>nd</sup> and 3 <sup>rd</sup> years upon evidence of satisfactory progress towards the degree.)
	PhD Candidate Qualification Examination	<p>A student should complete Introductory Earth System Science and two or more core courses offered by this program, and submit a research proposal. After the approval of the advisor, he/she can apply for the PhD candidate qualification examination. The PhD Candidate Qualification Examination Committee shall handle the examination matters, the examination methods and subjects.</p> <p>The qualification examination for doctoral degree candidates is limited to two times. A student who fails the qualification examination should apply for a re-examination within half a year.</p> <p>A student must pass the PhD Candidate Qualification Examination <b>by the end of the third academic year</b> (excluding the period of leave of absence).</p>
	Candidacy for the Ph.D. degree	A student who passes the PhD Candidate Qualification Examination and complete the required courses is submitted to the student affairs committee of the program for reference, and can be regarded as doctoral degree candidates. The candidate will devote full time to independent study and research on his / her thesis topic.
	Publication	A doctoral candidate must publish (or have been accepted) at least one article in an international journal with a peer-review system as the first or corresponding author during doctoral studies, and it must be related to the graduation research before submitting thesis for graduation.
	Thesis Defense	<p>This defense will take the form of a thesis seminar followed by an oral examination on the thesis research. The examination committee is consisted of at least five members, with at least a third of external members outside of student's home university. The Ph.D. candidate's thesis advisor may not chair the examination committee.</p> <p>※ PIs from Academia Sinica are considered as external members.</p>

**Taiwan International Graduate Program**  
**in**  
**Earth System Science**

## TIGP-ESS Application Form for Leaving Department

<div style="text-align:center;">姓名 Name</div>		<div style="text-align:center;">所屬學校 School</div>	
<div style="text-align:center;">實驗室  Lab Room No.</div>		<div style="text-align:center;">研究室  Office Room No.</div>	
<div style="text-align:center;">離開系所原因  Reason of leaving department</div>	<div> <input type="checkbox"/>畢業 Graduation  <input type="checkbox"/>退學 Withdrawal  <input type="checkbox"/>休學 Suspension  <input type="checkbox"/>其他 others (                         )         </div>		
<div style="text-align:center;">離開系所日期  Date of leaving department</div>	<div style="text-align:center; height:60px;"> <div>年(Year)</div> <div>月(Month)</div> </div>		
<div style="text-align:center;">核    准  Ratification</div>	<div style="height:80px;"><div style="float:left; width:70%;">地球所圖書館 IES Library</div><div style="clear:both;"></div></div>	<div style="height:80px;"><div style="float:left; width:90%;">環變中心/地球所 人事 RCEC/ IES HR</div><div style="clear:both;"></div></div>	<div style="height:80px;"><div style="float:left; width:80%;">實驗室 Lab</div><div style="clear:both;"></div></div>
	<div style="background-color:#f0f0f0; padding:5px;">Return books</div>	<div style="background-color:#f0f0f0; padding:5px;">Return your AS-ID card</div>	<div style="background-color:#f0f0f0; padding:5px;">Return property of lab</div>
	<div style="height:150px;"><div style="float:left; width:70%; margin-top:-20px;">研究室座位 Office                          </div><div style="clear:both;"></div></div>	<div style="height:150px;"><div style="float:left; width:90%; margin-top:-20px;">學程經辦 TIGP assistant (R2023)                          </div><div style="clear:both;"></div></div>	<div style="height:150px;"><div style="float:left; width:80%; margin-top:-20px;">學程總召集人 TIGP coordinator                          </div><div style="clear:both;"></div></div>

★請學生離開系所前務必完成此程序，會簽無須按序簽核

Please be sure to complete this procedure before leaving the department.

Do not need to countersign in order.

Taiwan International Graduate Program  
in

## Earth System Science

### Student's Leave Application Form

Applicant: \_\_\_\_\_

Leave period from mm / dd / yyyy to mm / dd / yyyy, total \_\_\_\_\_ day(s).

Reason: \_\_\_\_\_

### Classes Missed

<u>Course, Class Code</u>	<u>Course Title</u>	<u>Lecturer's Signature</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____

Enclosed document(s) \_\_\_\_\_ page(s),

Contact No.: \_\_\_\_\_

Student's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

#### Remark:

1. Hand this completed form and any documents to TIGP-ESS Office.
2. Students will be notified within 3 working days if the forms are not approved.

☐ *Approved*

☐ *Not Approved*

Reason: \_\_\_\_\_

Coordinator's Signature \_\_\_\_\_

Date: \_\_\_\_\_

Taiwan International Graduate Program  
in  
Earth System Science

**Student Leave Sheet**

(Leaving date more than 7 days)

Student Name		Student ID	
Lab location:		Reason for leaving	
Contact information (E-mail/Phone no./ Mailing address)		Do you plan to go out of Taiwan? Please fill in the right column (For private trip only)	<input type="checkbox"/> NO <input type="checkbox"/> YES  Destination:
Duration of leaving	From: _____ (MM/ DD/YY) To: _____ (MM/DD/YY)		Total ( _____ ) days*
Student's Signature		Date: _____ (MM/ DD/YY)	The expired date of ARC: _____ (MM/ DD/YY)
<b>To be completed by Thesis Advisor:</b>  Advisor's Name: _____ (In print) Recommendation: ____Approve ____Disapprove		Signature from advisor: _____	Date: _____ (MM/ DD/YY)
Remarks: 1. Please return the completed form to the TIGP-ESS Office after you have obtained the necessary signatures from your thesis advisor and the chair of Student Affair Committee. Failure to comply with the regulation may result in termination of your fellowship. 2. Any student who leaves <u>during semester</u> , in addition to complete the above forms also needs to get signatures from the course lecturers ( see student leave application form ) and send to the ESS Office as a record. 3. If you leave more than 14 days, the fellowship will be temporarily suspended until you return.			
<b>Signature from Student Affair Committee Chair</b> <u>Dr. Wu-Cheng, Chi ( in print )</u>		ESS Office Recording	
<b>ESS Coordinator's Signature</b> <u>Dr. Tung-Yuan Ho ( in print )</u>			

# Contact List

## 1st year Student (2025)

Name	Advisor	Email
Teklay Gidey Tekia	Dr. Kwan-Nang Pang	teklayag27@gmail.com
Samsul Hadi Wiyono	Dr. Wu-Cheng Chi	samsul.wiyono@bmqg.go.id
I Gusti Ketut Satria Bunaga	Dr. Chung-Han Chan	satriabunaga.bmqg@gmail.com
Habtamu Nega Alemnew	Dr. Yuei-An Liou	habtamunegaalemnew@gmail.com
Yu-Shen Lin	Shih-Yu Lee	ethen19980104@gmail.com
Gorgonio Jamangal	Dr. Tung-Yuan Ho	gjamangal@gmail.com
Alyssa Valerio	Dr. Yi-Chun Chen	alyssavvalerio@gmail.com
Li-Peng Wu	Dr. Li Lo	r12224102@ntu.edu.tw
Yun-Pin Chen	Dr. Yu Wang	thomas900326@gmail.com
Davin Mathews David	Dr. Shu-Huei Hung	davindavid13@gmail.com
I-Ting Wang	Tzai-Hung Wen	p66114064@gs.ncku.edu.tw
Tzu-Chi Chieh	Dr. Shih-Chun Candice Lung	amonchieh@gmail.com

## 2nd year Student (2024)

Name	Advisor	Email
Grmay Kassa Brhane	Dr. Chuen-Fa Ni	gk2011.mcs@gmail.com
Puji Ariyanto	Dr. Frederic Deschamp	puji.ariyanto@stmkg.ac.id
Yu-Cheng Hsu	Dr. Chih-Tung Chen	yuc756@gmail.com
Tewabe Melkamu Fentahun	Dr. Yuei-An Liou	tewabe60@gmail.com
Yen Chen Chen	Dr. Chian-Yi Liu	aaronchen4182002@gmail.com
Nhut Cong Mai	Dr. Min-Hui Lo	congnhutmai@gmail.com
Ting Yu Chiang	Dr. Charles C.-K. Chou	tiffanyl 9971229@gmail.com
Lalu Mantigi Wana Paksi	Dr. Yu-Heng Tseng	lalumantigiwana@gmail.com

# Contact List

## 3rd year Student (2023)

Name	Advisor	Email
Adelina Lumban Gaol	Dr. Jia-Yuh Yu	adelina.gaol@bmkgo.go.id
Hung-Yu Yen	Dr. Hsin-Hua Huang	harry0109@gmail.com
Yekti Widyaningrum	Dr. Ping-Yu Chang	yekti-widyaningrum@ubb.ac.id
Yopi Ruben Serhalawan	Dr. Po-Fei Chen	yopiruben@gmail.com
Long Hoang Nguyen Dinh	Dr. Chian-Yi Liu	nguyenlong121095@gmail.com
Safeeda Safar E	Dr. Tzai-HungWen	safeedazafar@gmail.com
Mohinuddin Sekh	Dr. Jr-Chuan Huang	mohinuddintom@gmail.com
Dwi Ayu Karlina	Dr. Wu-Cheng Chi	dwiayukarlina@gmail.com
Adchara Chinsorn	Dr. Jen-Ping Chen	adchara.chi@gmail.com

## 4th year Student (2022)

Name	Advisor	Email
Girum Getachew Demeke	Dr. Jr-Chuan Huang	girum21g@gmail.com
Ariana Chih-Hsien Liu	Dr. Chih-hao Hsieh	arianaliu1214@gmail.com
A.M. Miftahul Huda	Dr. Yih-Min Wu	mustafid13@gmail.com
Amba Shalishe	Dr. Yi-Ying Chen	amba.shalishe4@gmail.com
Phuong Thanh Vu	Dr. Chuen-Fa Ni	phuongthanh.hd.1993@gmail.com
Cholisina Anik Perwita	Dr. K. I. Konstantinou	cholisina@gmail.com
Jia-Hsun Lin	Dr. Eh Tan	410454011@gms.ndhu.edu.tw
Emi Ulfiana	Dr. Po-Fei Chen	emiulfiana226@gmail.com
Sajid Hussain	Dr. Wen-Che Yu	sajidsss803@gmail.com



# Contact List

## 5th year Student (2021)

Name	Advisor	Email
Gopal Kumar	Dr. Yu-Chang Chan	<a href="mailto:gopal16iiserb@gmail.com">gopal16iiserb@gmail.com</a>
Felicite Ayaba	Dr. Kwan-Nang Pang	<a href="mailto:billbliss88@yahoo.fr">billbliss88@yahoo.fr</a>
Elena Quiroga-Fernandez	Dr. Jen-Ping Chen	<a href="mailto:elena.quiroga-fernandez11@alumni.imperial.ac.uk">elena.quiroga-fernandez11@alumni.imperial.ac.uk</a>
Romy Ari Setiaji	Dr. Ludvig Lowemark	<a href="mailto:romyarisetiaji@gmail.com">romyarisetiaji@gmail.com</a>

## 6th year Student (2020)

Name	Advisor	Email
Yi Shen	Dr. Mei-Hua Yuan	<a href="mailto:eve951001@gmail.com">eve951001@gmail.com</a>
Lingerew Nebere Kassie	Dr. Po-Fei Chen	<a href="mailto:cocaphy10@gmail.com">cocaphy10@gmail.com</a>
Ratna Mani Gupta	Dr. Hsin-Hua Huang	<a href="mailto:crystal.ratna@gmail.com">crystal.ratna@gmail.com</a>
Rashmi Battan	Dr. Sun-Lin Chung	<a href="mailto:rashmibattan789@gmail.com">rashmibattan789@gmail.com</a>
Pallab Roy	Dr. Mao-Chang Liang	<a href="mailto:sahebroy14@gmail.com">sahebroy14@gmail.com</a>

## 7th-9th year Student (2017~2019)

Name	Advisor	Email
Jonalyn Cenon Madriaga	Dr. Charles C.-K. Chou	<a href="mailto:jcmadriagal@gmail.com">jcmadriagal@gmail.com</a>
Rung-Ying Su	Dr. Jia-Yuh Yu	<a href="mailto:kikyourobin@g.ncu.edu.tw">kikyourobin@g.ncu.edu.tw</a>
Michel Paurus	Dr. Pay-Liam Lin	<a href="mailto:michelpaurus07@yahoo.fr">michelpaurus07@yahoo.fr</a>
An Hai Bui	Dr. Yuei-An Liou	<a href="mailto:buihaian1403@gmail.com">buihaian1403@gmail.com</a>
Chia-En Chuang	Dr. Yi-Chia Hsin	<a href="mailto:hups900130@gmail.com">hups900130@gmail.com</a>
Lamtupa Nainggolan	Dr. Chuen-Fa Ni	<a href="mailto:lamtupa_ngl@yahoo.com">lamtupa_ngl@yahoo.com</a>
Rezal Rahmat	Dr. Sun-Lin Chung	<a href="mailto:ijang55@gmail.com">ijang55@gmail.com</a>

# TIGP-ESS Ph.D.

Aquatic Sciences		
Name	Advisor	Email
Sung-Yun Hsiao	Dr. Shuh-Ji Kao	agno3hsiao@gmail.com
Ting-Chang Hsu	Dr. Kon-Kee Liu	leontj@as.edu.tw
Eleanor San Pedro Austria	Dr. Fuh-Kwo Shiah	eleanoraustria@hotmail.com
Pei-Chi Ho	Dr. Fuh-Kwo Shiah	bookwormpageho@gmail.com
Chun-Wei Chang	Dr. Fuh-Kwo Shiah	clark.ms37@yahoo.com.tw
Daniel Wen-Shuan Liao	Dr. Tung-Yuan Ho	swl766@gmail.com
Yahya Darmawan	Dr. Huang-Hsiung Hsu	yahya_darmawan@yahoo.com
Yoseph Arba Orke	Dr. Ming-Hsu Li	orkearba@gmail.com
Shail Vijeta Ekka	Dr. Der-Chuen Lee	shail.v.ekka@gmail.com
Wan-Hsuan Cheng	Dr. Chih-hao Hsieh	scutily@gmail.com
Han Thi Mai Ngo	Dr. Yi-Chia Hsin	maihanngo@gmail.com
Mac Euan Ducusin Malugao	Dr. Sen Jan	maceuan.malugao@g.msuiit.edu.ph
Mohammed Abdul Athick AbdulSubhan	Dr. Shih-Yu Lee	oceanathick@yahoo.co.in

Solid Earth Sciences		
Name	Advisor	Email
Duong Van Nguyen	Dr. Bor-Shouh Huang	nguyenduong.vn@gmail.com
Leo Tajapal Armada	Dr. Shu-Kun Hsu	georesist@yahoo.com.ph
Haekal Azief Haridhi	Dr. Bor-Shouh Huang	haekal.azief.haridhi@gmail.com
Utpal Kumar	Dr. Benjamin Fong Chao	utpalkumar50@gmail.com
Feisal Dirgantara	Dr. Tien-Shun Lin	fdirgant@gmail.com
Dinh Thi Hue	Dr. Yu-Chang Chan	dinhhue91@gmail.com
Kalyani Nayak	Dr. Tien-Shun Lin	kalyanin94@gmail.com
Chu-Fang Yang	Dr. Wu-Cheng Chi	jwnfang@gmail.com
Dimas Salomo Januario Sianipar	Dr. Bor-Shouh Huang	dimas.salomo@gmail.com
Pratul Ranjan	Dr. K.I. Konstantinou	pratulkarn@gmail.com
Mai Hue Anh	Dr. Jian-Cheng Lee	hueanhdc@gmail.com
Duyen Thi Tran	Dr. Kuo-Lung Wang	tranduyen91@gmail.com
Nguyen Cong Nghia	Dr. Bor-Shouh Huang	nghianc@hus.edu.vn
Megawati Megawati	Dr. Kuo-Fong Ma	mega.geophysics@gmail.com

# TIGP-ESS Ph.D.

Solid Earth Sciences		
Name	Advisor	Email
Minh Nguyen	Dr. Yunung Nina Lin	minhnguyen.nm@gmail.com
Ha Vinh Long	Dr. Hsin-Hua Huang	havinhlong1988@gmail.com
Chase Jhih-Huang Shyu	Dr. Eh Tan	iamhemry@gmail.com
Edlira Xhafaj	Dr. Kuo-Fong Ma	edliraxhafaj@yahoo.com
Radha Krishna Pillutla	Dr. Tien-Shun Lin	pradha91@hotmail.com

Atmospheric Sciences		
Name	Advisor	Email
Hien Xuan Bui	Dr. Jia-Yuh Yu	b.x.hien2605@gmail.com
Christian Mark Salvador	Dr. Charles C.-K. Chou	cmgsalvador@gmail.com
Cornelius Csar Jude Hisole Salinas	Dr. Loren Chang	ccjsalinas@gmail.com
Balaji Kumar Seela	Dr. Pay-Liam Lin	seelabala ji@gmail.com
Getachew Mehabie Mulualem	Dr. Yuei-An Liou	getch@aims.ac.za
Yitea Seneshaw Getahun	Dr. Ming-Hsu Li	yiseneshaw@yahoo.com
Suranjith Bandara Koralegedara	Dr. Chuan-Yao Lin	suranjith.hmk@gmail.com
Gagan Mandal	Dr. Shih-Yu Lee	gagan.iitroorkee@gmail.com
Yi-Xuan Li	Dr. Jia-Yuh, Yu	ask558@yahoo.com.tw
Yu-Hsin Hsueh	Dr. Mao-Chang Liang	yhhsueh@gmail.com
Nghi Thi Phuong Do	Dr. Kao-Shen Chung	nghiphuong91@gmail.com
Po-Chao Wu	Dr. Kuo-Fang, Huang	rh12987@gmail.com
RaviShankarPandey	Dr. Wu-Cheng Chi	babaravil1988@gmail.com
Chane Moges Seid	Dr. Yen-Hsyang Chu	chane.mogesO@gmail.com
Vinh Truong Le	Dr. Yuei-An Liou	truongvinh2204@gmail.com

# TIGP-ESS Faculty from Academia Sinica

Name	Title	Institution	Expertise	Email
Yue-Gau Chen	DRF	RCEC	Earth system and sustainability: Paleoclimate, Disaster Risk Reduction, Energy Transition	ygchen@as.edu.tw
Shih-Chun Candice Lung	RF	RCEC	Exposure and risk assessment, Organic aerosols, Aerosol source apportionment	slung@as.edu.tw
Charles C.-K. Chou	RF	RCEC	Physico-chemical characterization of atmospheric aerosols, Air quality monitoring and management	ckchou@as.edu.tw
Chuan-Yao Lin	RF	RCEC	Air quality, Mesoscale Meteorology, Regional Climate Change, Urban heat island effect	yao435@as.edu.tw
Tung-Yuan Ho	RF	RCEC	Marine Biogeochemistry, Marine Organic Geochemistry, Environmental Chemistry, Environmental Analytical Chemistry	tyho@as.edu.tw
Chian-Yi Liu	ARF	RCEC	Meteorological satellite remote sensing, Atmospheric radiation, Atmospheric physics	cyliu7@as.edu.tw
I-Chun Tsai	ARF	RCEC	Aerosol parameterization and modeling, Aerosol-cloud interactions, Climate-Chemistry interactions, Cloud Physics, Atmospheric Physical Chemistry	ictsai@as.edu.tw
Shih-Yu Lee	ARF	RCEC	Climate Dynamics, Paleoceanography, Geological SuResearch Fellowace Process, Climate Interaction	shihyu@as.edu.tw
Wei-Liang Lee	ARF	RCEC	Atmospheric radiation; 3D topography-radiation interaction; Climate model development	leelupin@as.edu.tw
Yi-Chia Hsin	ARF	RCEC	Physical oceanography, Numerical ocean modeling, Ocean circulation dynamics	ychsin@as.edu.tw
Yi-Chun Chen	ARF	RCEC	Air quality, Aerosol-cloud-climate interactions, Remote sensing	yichunchen@as.edu.tw
Yi-Ying Chen	ARF	RCEC	Land Surface Research Fellowace processes Environmental disturbances and climate change	yiyingchen@as.edu.tw
Shih-Yun Kuo	ARS	RCEC	Public understanding and communication of science. Policy and governance study in the issues of environmental protection, climate change, and disaster management.	skuo@as.edu.tw

# TIGP-ESS Faculty from Academia Sinica

Name	Title	Institution	Expertise	Email
Cheng-Shiuan Lee	Asst. RF	RCEC	Various chemical contaminants (e.g., methylmercury, 1,4-dioxane, and per- and polyfluoroalkyl substances) in freshwater and marine environments.	chenglee@as.edu.tw
Chia-Ying, Anderin Chuang	Asst. RF	RCEC	Marine Radiochemistry, Marine Organic biogeochemistry	anderinchuang@as.edu.tw
Hing-Cho Cheung	Asst. RF	RCEC	Aerosol Science, New particle formation, Characterization of ultrafine particles, Cloud Condensation Nuclei activation, Implication of aerosols on Cloud Formation and Climate	joaoc@as.edu.tw
Mei-Hua Yuan	Asst. RF	RCEC	Ecosystem services assessment, water-food-energy nexus, Social-ecological system	meihuayuan@as.edu.tw
Yi-Hsuan Cehn	Asst. RF	RCEC	Expert in cloud and radiation processes, climate model tuning, and marine stratocumulus simulation using TaiESM1.	yihsuanc@as.edu.tw

# TIGP-ESS Faculty from Academia Sinica

Name	Title	Institution	Expertise	Email
Bor-Shouh Huang	DRF	IES	Seismology, Geophysics, Geosciences	hwbs@earth.sinica.edu.tw
Kuo-Fong Ma	DRF	IES	Seismology, Source Mechanics	fong@earth.sinica.edu.tw
Sun-Lin Chung	DRF	IES	Igneous Petrogenesis; Chemical Geodynamics; East Asia Tectonics	sunlin@earth.sinica.edu.tw
Danie Mao-Chang Liang	RF	IES	Atmospheric photochemistry, Biogeochemical cycles of nitrogen and carbon, Astrobiology	mcl@earth.sinica.edu.tw
Frederic Deschamp	RF	IES	Geophysics	frederic@earth.sinica.edu.tw
Jian-Cheng Lee	RF	IES	Geodynamic, Computer Earth Science, Remote sensing, Morpho-structural Geology	jcle@earth.sinica.edu.tw
Wen-Pin Hsieh	RF	IES	Experimental high pressure physics, Geophysics, Ultrafast optics	wphsieh@earth.sinica.edu.tw
Wu-Cheng Chi	RF	IES	Ocean-Bottom Seismology, Seismic Source, Tectonophysics	chi@earth.sinica.edu.tw
Ya-Ju Hsu	RF	IES	Earthquake cycle deformation, Global Navigation Satellite System, Seafloor geodesy, Seismicity and hydrological cycles	yar@earth.sinica.edu.tw
Yu-Chang Chan	RF	IES	Neotectonics, Structural Geology, Geomorphology	yuchang@earth.sinica.edu.tw
Der-Chuen Lee	ARF	IES	Isotope geochemistry	dlee@earth.sinica.edu.tw
Eh Tan	ARF	IES	Geodynamics, Geophysics, Parallel supercomputing	tan2@earth.sinica.edu.tw
Hsin-Hua Huang	ARF	IES	Seismology, Seismotectonics, Geohazards monitoring	hhhuang@earth.sinica.edu.tw
Kuo-Fang Huang	ARF	IES	Isotope geochemistry, Paleooceanography, Paleoclimatology, Marine Chemistry, Environmental Geochemistry	kfhuang@earth.sinica.edu.tw
Kuo-Lung Wang	ARF	IES	Isotope Geochemistry, Igneous Petrogenesis, Petrology, Mantle Geodynamics	kwang@earth.sinica.edu.tw
Kwan-Nang Pang	ARF	IES	Igneous Petrogenesis, Magmatic Petrology and Geochemistry	knpan@earth.sinica.edu.tw
Wen-Che Yu	ARF	IES	Seismology, Geophysics	fgsyw@earth.sinica.edu.tw

# TIGP-ESS Faculty from Academia Sinica

Name	Title	Institution	Expertise	Email
Yunung Nina Lin	ARF	IES	Application of synthetic aperture radar on ground deformation and environmental studies	ninalin@earth.sinica.edu.tw
Ching-Chou Fu	Asst.RF	IES	Gas and fluid geochemistry, Noble gas	ccfu@earth.sinica.edu.tw
Yi-Wei Liu	Asst.RF	IES	Isotope Geochemistry, Paleoclimate, Paleo-environmental change, Biogeochemistry	liuyiwei@earth.sinica.edu.tw

# TIGP-ESS Faculty from NCU

Name	Title	Institution	Expertise	Email
Chuen-Fa Ni	D. Prof	Graduate Institute of Applied Geology	Groundwater Modeling, Stochastic Hydrogeology, Groundwater Inverse Problems, Applied Geostatistics, Development of Software Environment for Engineering Education	nichuenfa@geo.ncu.edu.tw
Shu-Kun Hsu	D. Prof	Dept. of Earth Sciences	Marine geophysics, Gravity and magnetics, Tectonics	hsu@ncu.edu.tw
Andrew Tien-Shun Lin	Prof	Dept. of Earth Sciences	Geodynamics, Petroleum Geology, Sedimentary Geology	andrewl@ncu.edu.tw
How-Wei Chen	Prof	Dept. of Earth Sciences	Computational Seismology, Wave motion Theory, Seismic and GPR EM prospecting, Geophysical Data Analysis	hwchen@ncu.edu.tw
Li-Wei Kuo	Prof	Dept. of Earth Sciences	Clay mineralogy, Experimental rock physics, and fault deformation	liweikuo@ncu.edu.tw
Ping-Yu Chang	Prof	Dept. of Earth Sciences	Geotechnology, GPR Method, Hydrogeology, Electromagnetic Geophysics Exploration	pingyuc@ncu.edu.tw
Po-Fei Chen	Prof	Dept. of Earth Sciences	Seismology, Geophysics	bob@ncu.edu.tw
Hwa Chien	Prof	Graduate Institute of Hydrological and Oceanic Sciences	HF Radar and Microwave Radar Remote Sensing, Ocean SuResearch Fellowace Waves, Air-Sea Interactions, Sediment Transport in Coastal Ocean	hchien@ncu.edu.tw
Tso-Ren Wu	Prof	Graduate Institute of Hydrological and Oceanic Sciences	Tsunami Science, Local Scour Simulation, Storm Surge Simulation, 3D Numerical Modeling;Two-way Coupled Moving-Solid Model, Landslide and Debris Flow Simulation	tsoren@ncu.edu.tw
Jia-Yuh Yu	Prof	Dept. of Atmospheric Sciences	Tropical Meteorology, Low-Frequency Oscillation, Air-Sea Interaction, Climate Dynamics and Climate Change	jiayuh@atm.ncu.edu.tw
Shu-Chih Yang	Prof	Dept. of Atmospheric Sciences	Data Assimilation, Ensemble prediction and data assimilation for coupled model	shuchih.yang@gmail.com
Konstantinos I. Konstantinou	Prof	Dept. of Earth Sciences	Volcano Seismology, Volcanic hazards	kkonst@ncu.edu.tw
Yuei-An Liou	Prof	<b>CSRSR</b>	Microwave and Optical Remote Sensing; Hrdro-meteorology; Extreme Weather; GNSS-meteorology; Eco-environmental Vulnerability Assessment	yueian@csrsr.ncu.edu.tw
Chih-Tung Chen	A. prof	Dept. of Earth Sciences	Structural Geology, Geochronology, Tectonics, Geology	chihtung@cc.ncu.edu.tw
Chung-Han Chan	A. prof	Dept. of Earth Sciences	Engineering Seismology, Seismology	chchan@ncu.edu.tw
Chun-Hsiang Kuo	A. prof	Dept. of Earth Sciences	Strong Motion Seismology, Site Effects, Earthquake Engineering	chkuo@ncu.edu.tw
Wu-Lung Chang	A. prof	Dept. of Earth Sciences	Diastrophism, Modeling of Active Structures, Analysis of Seismic Disasters	wuchang@ncu.edu.tw
Yi-Ching Yeh	A. prof	Dept. of Earth Sciences	Large offset Multichannel Seismic Data Analysis, Marine Geophysical Exploration, Tectonics and Submarine Geohazards	ycyeh@cc.ncu.edu.tw



# TIGP-ESS Faculty from NCU

Name	Title	Institution	Expertise	Email
Kao-Shen Chung	A. prof	Dept. of Atmospheric Sciences	Radar meteorology, Cloud microphysics simulation, Short-term forecast errors, Mesoscale / Convective scale data assimilation	kschung@atm.ncu.edu.tw
Shih-Jung Wang	A. prof	Graduate Institute of Applied Geology	Coupled solid-fluid interaction, earthquake hydrology, Land subsidence, and Groundwater resources	sjwang1230@gmail.com
Wen-Jeng Huang	A. prof	Graduate Institute of Applied Geology	Mechanical Models on Faulting and Folding, Field Geology.	huang22@ncu.edu.tw
Maryline Le Beon	A. prof	Graduate Institute of Applied Geology	Active Tectonics and Earthquake Geology, Quaternary Geochronology, and Structural Geology	mlebeon@g.ncu.edu.tw
Hien X. Bui	Asst. Prof	Dept. of Atmospheric Sciences	Climate Change, Climate Extremes, Tropical Dynamics, Land-Atmosphere-Ocean Interactions, Tropical-Extratropical Interactions	hien.bui@atm.ncu.edu.tw

# TIGP-ESS Faculty from NTU

Name	Title	Institution	Expertise	Email
Chih-Hao Hsieh	D. Prof	Institute of Oceanography	Theoretical Ecology, Ecoinformatics, Biological Oceanography, Fisheries Oceanography, Zooplankton Ecology	chsieh@ntu.edu.tw
Sen Jan	D. Prof	Institute of Oceanography	Geophysical Fluid Dynamics, Physical Oceanography, Numerical Modeling for Dynamics, Field Experiment.	senjan@ntu.edu.tw
Yih-Min Wu	D. Prof	Dept. of Geosciences	Seismic early warning, Observational seismology, Geophysics	drymwu@ntu.edu.tw
Cho-Ying Huang	D. Prof	Dept. of Geography	Ecosystem ecology, Biogeochemistry, Remote sensing of the environment, Non-native species	choying@ntu.edu.tw
Chen-fen Huang	Prof	Institute of Oceanography	Acoustical Oceanography, Passive Acoustical Tomography, Computational Ocean Acoustics, Array Signal Processing	chenfen@ntu.edu.tw
Cheng-Ku Yu	Prof	Atmospheric Sciences	Orographic precipitation; Severe weather and mesoscale atmospheric phenomena; Structure and dynamics of tropical cyclone (frontal) rainbands	yuku@ntu.edu.tw
Chun-Chieh Wu	Prof	Atmospheric Sciences	Typhoon Dynamics, Hurricane Dynamics, Quasi-balanced Dynamics, Targeted observations, numerical modeling and data assimilation of Typhoons	cwu@as.ntu.edu.tw
Jen-Ping Chen	Prof	Atmospheric Sciences	Cloud Microphysics and Chemistry, Atmospheric Chemistry, Aerosol Microphysics, Cloud and Aerosol Modeling	jpchen@ntu.edu.tw
Jr-Chuan Huang	Prof	Dept. of Geography	Hydrological modeling and simulation, Land sliding and sediment export, Nitrogen cycling within watersheds	riverhuang@ntu.edu.tw
Ludvig Lowemark	Prof	Dept. of Geosciences	Paleoceanography, Sedimentology, Paleoclimatology	ludvig@ntu.edu.tw
Min-Hui Lo	Prof	Atmospheric Sciences	Land-Atmosphere Interactions, Applications of remote sensing on the water cycle	mlo@as.ntu.edu.tw
Po-Hsiung Lin	Prof	Atmospheric Sciences	The instrumentation and measurement of the atmosphere, Monsoon climate, Computer Aided Learning	polin@ntu.edu.tw
Shenglin Chang	Prof	IPCS	Cultural landscape, Low-carbon community, New ruralism, Aging friendly planning, Open Innovation, Social design	shenglin@ntu.edu.tw
Shiuh-Shen Chien	Prof	Dept. of Geography	Air and Politics, Weather and Society, Geopolitics and geophysical politics, Global south and international development, Critical smart eco urbanism.	schien@ntu.edu.tw
Shu-Huei Hung	Prof	Dept. of Geosciences	Array seismology, Seismic tomography, Full waveform modeling, Ambient noise interferometry	shung@ntu.edu.tw
Tzai-Hung Wen	Prof	Dept. of Geography	Spatiotemporal modeling of geographical process, Geographic Information Systems and Spatial analysis	wenthung@ntu.edu.tw
Yu-Heng Tseng	Prof	Institute of Oceanography	Oceanic and atmospheric dynamics, Air-sea interaction, Earth system modeling, Climate change	tsengyh@ntu.edu.tw
Haojia Abby Ren	A. Prof	Dept. of Geosciences	Biogeochemical Cycling, Paleoclimate and Paleooceanography, Stable Isotope Geochemistry	abbyren@ntu.edu.tw
Ray Y. Chung	A. Prof	Dept. of Geography	Monitoring of topographic evolution, Integrating and applications of multiple techniques in geodesy and geoinformatics, Evaluation of natural hazards and applications of hazard mitigation	raychuang@ntu.edu.tw
Jeroen Groeneveld	A. Prof	Institute of Oceanography	Foraminifera and geochemical proxies in biogenic carbonates	jgroeneveld@ntu.edu.tw

# TIGP-ESS Faculty from NTU

Name	Title	Institution	Expertise	Email
Sze-Ling Ho	A. Prof	Institute of Oceanography	Paleoceanography, Paleoclimatology, Paleothermometry, Biogeosciences	slingho@ntu.edu.tw
Yu Wang	A. Prof	Dept. of Geosciences	Earthquake Geology, Paleoseismology, Neotectonics, Remote sensing	wangyu79@ntu.edu.tw
Mei-Fei Chu	Asst. Prof	Dept. of Geosciences	Igneous petrogenesis, Application of (LAM-) ICP- MS to Earth Sciences	mfchu@ntu.edu.tw
Ming-Tsung Chung	Asst. Prof	Institute of Oceanography	Isotope Ecology, Physiological ecology, Biogeography, Cephalopod ecology, Fish ecology	mingtsungchung@ntu.edu.tw
Brandon M. Stephens	Asst. Prof	Institute of Oceanography	Uses observational and experimental approaches to elucidate interactions among microbes and organic matter (OM)	bstephens@ntu.edu.tw
Yu-Te Alan Hsieh	Asst. Prof	Institute of Oceanography	Isotope geochemistry, Marine chemistry, Paleoceanography, Mass Spectrometry	alanhsieh@ntu.edu.tw

**Our faculty team consists of top experts in various fields, covering all aspects of Earth Sciences. They bring a wealth of experience in both teaching and research, dedicated to nurturing the next generation of scientists. To learn more about our professors and their research expertise, please visit our official website. There you will find detailed faculty profiles, including research fields, professional skills, and contact information.**

**Official Website:**

**<https://tigp-ess.rcec.sinica.edu.tw/en/research/faculty>**

**QR code:**

