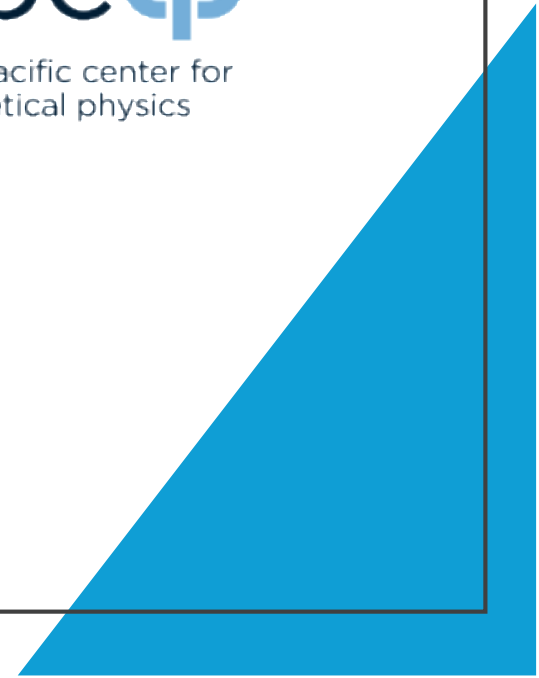


APCTP: Current Status and Future Prospects

Misao Sasaki



Founded in 1996 (2026 is 30th anniversary)



APCTP



The Asia Pacific Center for Theoretical Physics (APCTP), the nation's first and only international research institute, was established in Korea in June 1996, with Professor C. N. Yang as its founding President.

As an international non-governmental organization, its current 19 member countries & regions include Australia, Beijing, Canada, India, Indonesia, Japan, Kazakhstan, Korea, Kyrgyzstan, Lao PDR, Malaysia, Mongolia, Philippines, Singapore, Taipei, Thailand, Uzbekistan, Vietnam, Cambodia. More countries & regions in the Asia-Pacific region are expected to join the Center in the near future.

Aim : As an international organization in the field of theoretical, the Center aims the lead basic science in the Asia Pacific region.

Roles : To create a basic research hub and to enhance global leadership capability To provide an academic platform for theoretical physics community in the Asia Pacific region

- **C.N. Young** as the founding President
- Int'l NGO w/. **19** member countries/regions
- **Endorsed by APEC**, serves as a hub for scientific collab. across the Asia-Pacific

International Research Collaborations

- Summary for
2020 - 2023

Year	2020	2021	2022	2023
Academic Program	49	50	36	41
Visitor	3,367	5,257	5,555	5,822

- Data breakdown
for 2024

approx. 5000 visitors/yr

1/2 from abroad

Program Category	No. of Programs	Number of Participants				
		Total	Korea	Member Countries (Excl. Korea)	Non-Member Countries (Incl. Unconfirmed)	
Academic Programs	Focus Programs	6	235	105	70	60
	Topical Research Programs	9	1,006	800	42	164
	Schools	6	608	437	21	150
	Conferences	10	982	687	203	92
	External & Joint Programs	14	1,170	36	238	896
	Special Programs	2	178	132	27	19
	Extra Activities	4	128	82	17	29
Total	51	4,307	2,279	618	1,410	

Education & Research

- **Junior Research Group (JRG)**: led by mid career physicist (JRG leader), composed of a few JRG postdoc fellows. 3+2 years
 - ~11 JRG leaders/yr. ~22 JRG fellows /yr.
 - 159 (+20 current JRG) in total since 2008, 138 got academic positions.
- **POSTECH Affiliated Professors**: Most JRG leaders are affiliated with POSTECH, informally mentoring graduate students. Some give lectures for undergraduate courses.
- **Young Scientists Training Program (YST)**: A program for nurturing the next generation of talent from the Asia-Pacific region, focused on enhancing their research capability. 1+1 years
 - ~16 YST /yr. 78 (+12 current) in total since 2004, only one of them left academia right after graduation.
- **APCTP Associate Fellow Program**: Engages mid-career scientists to provide research vision, enhance networks, mentor young researchers, and drive collaborative projects in physics in the AP region.

Public Outreach

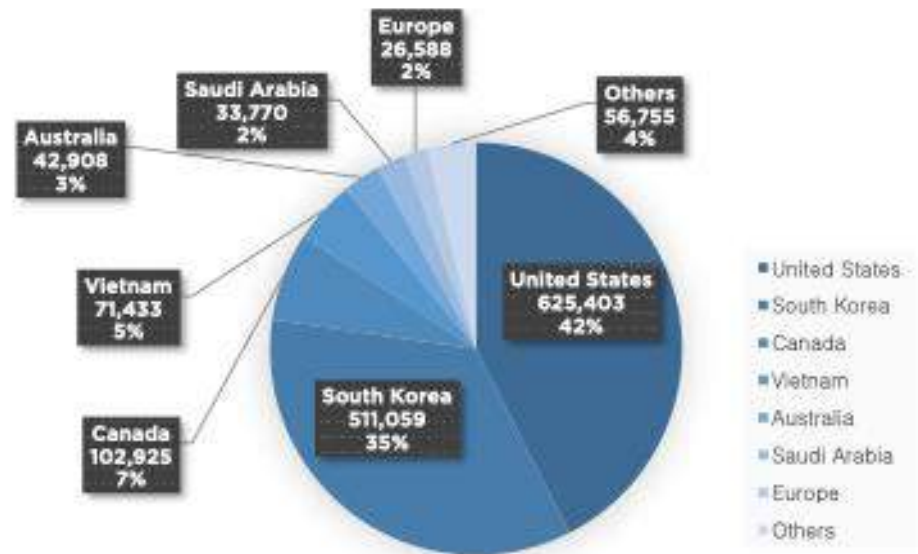
- **Crossroads**: monthly web magazine exploring future visions of science through diverse genres—scientific features, essays, columns, and fiction.

- **APCTP Science Book of the Year**: selecting 10 best science books each year to broaden scientific worldview among students and the general public.

- Science Book Author Lectures
- Science Book Essay Contest
- Gyeongsangbuk-do Youth Science Essay Contest

- **Science in City Hall**: collab. w/ Pohang City, featuring high-quality science lectures and programs that integrate Science, Education, Art, and Experience.

Crossroads Views by Country



Future Prospects

- Enhancing international collaborations **not limited to AP region**
 - collaborations with institutes **outside AP region**
 - increasing international **visibility worldwide**
- Establishing **APCTP networks** in
 - **CMSP** (condensed matter and statistical physics)
 - **HECAP** (high energy, cosmology and astrophysics)
 - **ICG** (individual collaboration group: any individual researchers)
- Establishing a new **student internship** program
 - for **graduate students** from any institutes in AP region
 - **JRG leader as mentors**
- Expanding research areas to include **quantum information**
 - **JRG leaders** recruitment (on-going)
 - **YST fellows** recruitment (to be implemented)

Your advice and support are highly appreciated!