

For Overseas Cooperating Institutions

13th HOPE MEETING

with Nobel Laureates



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Objective

HOPE Meetings are held for excellent graduate students and young researchers specially selected from countries/areas around the Asia-Pacific and Africa region. These meetings give an opportunity for the participants to engage in interdisciplinary discussions with Nobel laureates and other distinguished scientists pioneering the frontiers of knowledge. They also give the participants, who lodge together over the course of the event, a chance to make friends and form collegial networks with peers from the regions.

ONLINE
CONFERENCE

7-11 March, 2022

13th HOPE Meeting will be held online
via web conferencing system



Organizer

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE



JSPS

Office of the HOPE Meetings, JSPS

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<https://www.jsps.go.jp/english/e-hope/index.html>



Organizing Committee of the 13th HOPE Meeting

Chair



KAJITA Takaaki

Nobel Laureate in Physics 2015

Distinguished University Professor, The University of Tokyo

Director, Institute for Cosmic Ray Research (ICRR), The University of Tokyo

Organizing Committee Members

See: <https://www.jsps.go.jp/english/e-hope/sosiki13.html>

Participants

About 100 doctoral students and young researchers from the following countries/areas:

Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Senegal, Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam

Program of the 13th HOPE Meeting

The program is planned with consideration for time differences between domestic and overseas participants. For programs (mainly lectures) that are held at times when it is difficult to attend due to time differences, videos will be distributed on demand.

*day before e.g.) Tokyo: Monday → Boston: Sunday

Tentative (as of July 2021)

	12:00	13:00	14:00-15:00	20:00	21:00	22:00	23:00-24:00
Auckland							
TOKYO	09:00	10:00	11:00-12:00	17:00	18:00	19:00	20:00-21:00
Bangkok	07:00	08:00	09:00-10:00	15:00	16:00	17:00	18:00-19:00
Delhi	05:30	06:30	07:30-08:30	13:30	14:30	15:30	16:30-17:30
Cairo	02:00	03:00	04:00-05:00	10:00	11:00	12:00	13:00-14:00
London	24:00 (00:00)	01:00	02:00-03:00	08:00	09:00	10:00	11:00-12:00
Boston	*19:00	*20:00	*21:00-22:00	03:00	04:00	05:00	06:00-07:00
San Francisco	*16:00	*17:00	*18:00-19:00	24:00 (00:00)	01:00	02:00	03:00-04:00

Day	12:00-13:00	13:00-14:00	14:00-15:00	20:00-21:00	21:00-22:00	22:00-23:00	23:00-24:00
MONDAY 7 March				Opening Ceremony	Lecture 1	Group Discussions	Poster Session
TUESDAY 8 March				Lecture 2	Group Discussions	Lecture 3	Poster Session
WEDNESDAY 9 March	Lecture 4	Group Discussions	Lecture 5	Group Discussions	Cultural Program	Lecture 6	Poster Session
THURSDAY 10 March	Lecture 7	Group Discussions	Lecture 8	Group Discussions	Lecture 9	Preparation for Team Presentations	
FRIDAY 11 March				Team Presentations			Closing Ceremony

The conference program will be held [online](#) and will feature the following:

- 1 Lectures by Nobel laureates, distinguished researchers and cultural authorities
- 2 Small group discussions with the lecturers (seminar style)
- 3 Poster session including oral presentation by each participant
- 4 Oral presentations by multinational participant teams
- 5 Cultural experience program, introduction to the research facility



Selection Criteria

HOPE Meeting participants are selected based on the following criteria:

Please note: People selected to participate in the 12th HOPE Meeting are eligible to attend the 13th Meeting even if they no longer satisfy the requirements stipulated in items a) and/or b) below.

- Be a PhD student or young researcher (who received a PhD after 2 April 2016) with a record of excellent academic performance ^{a)}
- Have not been selected to participate in a past HOPE Meeting ^{b)}
- Have an excellent record of research and a high level of interest in the societal influence of scientific knowledge and its application
- Have a strong interest in a wide scope of science and research
- Be expected to go on to advance future research in the Meeting's subject field(s)
- By participating in the meeting, be expected to initiate joint research and/or build collegial networks in the future
- Have a strong desire to participate actively in the Meeting's exchanges and discussions
- Possess ample English proficiency to do so
- Be able to participate in the entire Meeting program from 7 to 11 March.

Cost Sharing

- JSPS covers the costs of holding the meeting.
- JSPS will not cover the cost of the participants' internet environment, internet connection, or meals during the conference.

Schedule (tentative)

2021	July	Send out nomination requests to cooperating institutions
	30 September	Nomination deadline (for overseas cooperating institutions)
	Early December	Notify cooperating institutions of the selection results
	Late December	Participants prepare for their participation in the meeting (1) Submit registration forms, photos, poster presentation abstracts
2022	Mid-January	(2) Submit posters and slides for poster presentation
	7-11 March	13th HOPE Meeting (Online)
	Late March	Participants submit reports to JSPS
	April -	JSPS sends participants' reports to cooperating institutions

Nomination Deadline

30 September, 2021

E-mail: hope-meetings@jsps.go.jp



1st HOPE Meeting, 2008

Lecturers:

Leo Esaki (Physics, 1973) **Chair**
 Heinrich Rohrer (Physics, 1986)
 Robert B. Laughlin (Physics, 1998)
 Hideki Shirakawa (Chemistry 2000)
 Alan Heeger (Chemistry, 2000)
 and other distinguished researchers.

Date and Venue:

February 25-28, 2008 (Tsukuba, Japan)

Subjected Fields:

Nanoscience and Nanotechnology

Participants:

81 PhD students and young scientists
 from the **13** countries/areas in the Asia-Pacific region:
 Australia, China, India, Indonesia, Japan, Korea,
 Malaysia, New Zealand, Philippines, Singapore, Taiwan,
 Thailand, Vietnam

2nd HOPE Meeting, 2009

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008)
 Yuan Tseh Lee (Chemistry, 1986)
 Ryoji Noyori (Chemistry, 2001) **Chair**
 Koichi Tanaka (Chemistry, 2002)
 Peter Agre (Chemistry, 2003)
 Susumu Tonegawa
 (Physiology or Medicine, 1987)
 and other distinguished researchers.

Date and Venue:

September 28-October 1, 2009 (Hakone, Japan)

Subjected Field:

Chemistry (and related fields)

Participants:

100 PhD students and young scientists
 from the **14** countries/areas in the Asia-Pacific region:
 Australia, Bangladesh, China, India, Indonesia, Japan,
 Korea, Malaysia, New Zealand, Philippines, Singapore,
 Taiwan, Thailand, Vietnam

3rd HOPE Meeting, 2011

Lecturers:

Leo Esaki (Physics, 1973),
 David J. Gross (Physics, 2004),
 Makoto Kobayashi (Physics, 2008) **Chair**
 Toshihide Maskawa (Physics, 2008)
 Richard R. Ernst (Chemistry, 1991)
 Hideki Shirakawa (Chemistry, 2000)
 Ryoji Noyori (Chemistry, 2001)
 Koichi Tanaka (Chemistry, 2002),
 Ada Yonath (Chemistry, 2009)
 and other distinguished researchers.

Date and Venue:

March 7-11, 2011 (Tokyo, Japan)

Subjected Field: Physics (and related fields)

Participants:

99 PhD students and young scientists
 from the **14** countries/areas in the Asia-Pacific region:
 Bangladesh, China, India, Indonesia, Israel, Japan, Korea,
 Malaysia, New Zealand, Philippines, Singapore, Taiwan,
 Thailand, Vietnam

4th HOPE Meeting, 2012

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008) **Chair**
 John Ernest Walker (Chemistry, 1997)
 Ryoji Noyori (Chemistry, 2001)
 Roderick Mackinnon (Chemistry, 2003)
 Akira Suzuki (Chemistry, 2010)
 Ei-ichi Negishi (Chemistry, 2010)
 Dan Shechtman (Chemistry, 2011),
 and other distinguished researchers.

Date and Venue:

March 7-11, 2012 (Tsukuba, Japan)

Theme: Chemistry for Creating the Future

Participants:

100 PhD students and young scientists from the **17**
 countries/areas in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India, Indonesia,
 Israel, Japan, Korea, Malaysia, Mongolia, New Zealand,
 Philippines, Singapore, Taiwan, Thailand, Vietnam

5th HOPE Meeting, 2013

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Hideki Shirakawa (Chemistry, 2000)
 Ryoji Noyori (Chemistry, 2001)
 Aharon Jehuda Ciechanover (Chemistry, 2004)
 Susumu Tonegawa
 (Physiology or Medicine, 1987)
 Mario Renato Capecchi
 (Physiology or Medicine, 2007)
 and other distinguished researchers.

Date and Venue:

February 26-March 2, 2013 (Tokyo, Japan)

Subjected Field:

Life Sciences (and related fields)

Participants:

98 PhD students and young scientists from the **16** countries/areas in the Asia-Pacific and Africa region: Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Korea, Malaysia, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand

6th HOPE Meeting, 2014

Lecturers:

Makoto Kobayashi (Physics, 2008) **Chair**
 Braian P. Schmidt (Physics, 2011)
 Hideki Shirakawa (Chemistry, 2000)
 Martin Chalfie (Chemistry, 2008)
 Ei-ichi Negishi (Chemistry, 2010)
 Richard J. Roberts
 (Physiology or Medicine, 1993)
 and other distinguished researchers.

Date and Venue:

March 11-15, 2014 (Tokyo, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine (and related fields)

Participants:

106 PhD students and young scientists from the **19** countries/areas in the Asia-Pacific and Africa region: Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Vietnam

7th HOPE Meeting, 2015

Lecturers:

Johannes Georg Bednorz (Physics, 1987)
 Douglas Dean Osheroff (Physics, 1996)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Hideki Shirakawa (Chemistry, 2000)
 Ei-ichi Negishi (Chemistry, 2010)
 Dan Shechtman (Chemistry, 2011)
 and other distinguished researchers.

Date and Venue:

March 1-5, 2015 (Tokyo, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine (and related fields)

Participants:

97 PhD students and young scientists from the **17** countries/areas in the Asia-Pacific and Africa region: Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Korea, Malaysia, New Zealand, Philippines, Singapore, Taiwan, Thailand, Vietnam, Turkey

8th HOPE Meeting, 2016

Lecturers:

Makoto Kobayashi (Physics, 2008) **Chair**
 Serge Haroche (Physics, 2012)
 Shuji Nakamura (Physics, 2014)
 Jean-Marie Lehn (Chemistry, 1987)
 Ada Yonath (Chemistry, 2009)
 Barry J. Marshall
 (Physiology or Medicine, 2005)
 and other distinguished researchers.

Date and Venue:

March 7-11, 2016 (Tsukuba, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine (and related fields)

Participants:

107 PhD students and young scientists from the **18** countries/areas in the Asia-Pacific and Africa region: Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Korea, Malaysia, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Vietnam, Myanmar

9th HOPE Meeting, 2017

Lecturers:

Klaus von Klitzing (Physics 1985)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Takaaki Kajita (Physics, 2015)
 Ryoji Noyori (Chemistry, 2001)
 Jean-Pierre Sauvage (Chemistry, 2016)
 Edvard I. Moser (Physiology or Medicine, 2014)
 and other distinguished researchers.

Date and Venue:

February 26-March 2, 2017 (Tokyo, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine
 (and related fields)

Participants:

110 PhD students and young scientists from the **22** countries/areas in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam

10th HOPE Meeting, 2018

Lecturers:

J. Georg Bednorz (Physics, 1987)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Takaaki Kajita (Physics, 2015)
 K. Barry Sharpless (Chemistry, 2001)
 Ada Yonath (Chemistry, 2009)
 J. Fraser Stoddart (Chemistry, 2016)
 Tim Hunt (Physiology or Medicine, 2001)
 and other distinguished researchers.

Date and Venue:

March 10-15, 2018 (Yokohama, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine
 (and related fields)

Participants:

108 PhD students and young scientists from the **21** countries/areas in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Turkey

11th HOPE Meeting, 2019

Lecturers:

Hiroshi Amano (Physics, 2014)
 Takaaki Kajita (Physics, 2015) **Chair**
 Aaron Ciechanover (Chemistry, 2004)
 Ada Yonath (Chemistry, 2009)
 Ben L. Feringa (Chemistry, 2016)
 Tim Hunt (Physiology/Medicine, 2001)
 and other distinguished researchers.

Date and Venue:

March 4-8 2019 (Okinawa, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine
 (and related fields)

Participants:

104 PhD students and young scientists from the **19** countries/areas in the Asia-Pacific and Africa region:
 Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Myanmar, Nepal, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Vietnam

12th HOPE Meeting, 2020

* Cancelled due to concern about COVID-19 epidemic.

Lecturers:

J. Georg Bednorz (Physics, 1987)
 Takaaki Kajita (Physics, 2015) **Chair**
 Barry C. Barish (Physics, 2017)
 Johann Deisenhofer (Chemistry, 1988)
 Gregory Winter (Chemistry, 2018)
 Tim Hunt (Physiology/Medicine, 2001)
 Randy W. Schekman
 (Physiology/Medicine, 2013)

Date and Venue:

March 9-13 2020 (Tsukuba, Japan)

Subjected Field: Physics, Chemistry, Physiology/Medicine
 (and related fields)

Participants:

109 PhD students and young scientists from the **22** countries/areas in the Asia-Pacific and Africa region:
 Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Senegal, Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam