



# 10<sup>th</sup> HOPE MEETING

with Nobel Laureates

## 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.

## Date

***11-15 March, 2018***

- Saturday, 10 March: Orientation & Registration
- Sunday, 11 March: Nobel Prize Dialogue Tokyo 2018

## Venue

**Yokohama,  
JAPAN**

## Organizer

**JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE**



**JSPS**

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# Organizing Committee of the HOPE Meetings

## ■ Chair

**Makoto Kobayashi** <Nobel Laureate in Physics 2008>

Honorary Professor Emeritus,  
High Energy Accelerator Research Organization (KEK)

## ■ Members

**Noriko Osumi**

Tohoku University

**Mitsuhiko Shionoya**

The University of Tokyo

**Takaaki Kajita** <Nobel Laureate in Physics 2015>

The University of Tokyo

**Yousuke Takahama**

Tokushima University

**Kazuhiro Kosuge**

Tohoku University

**Fumio Hanaoka**

Tsukuba University

# Program of the HOPE Meeting

The program of the HOPE Meeting 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 1 minute oral presentation by each participant
- 4 Oral presentations by multinational participant teams
- 5 Cultural experience program
- 6 Excursion (research facilities and historical heritages)





## 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, Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam

## Selection Criteria

Participants are selected based on the following criteria:

- Be a PhD student or young researcher (within 5 years from his/her PhD as of 1 April 2017) with excellent academic performance
- Have not been selected to participate in the past HOPE Meetings
- Be able to participate in the entire Meeting program
- An excellent record of research and a high interest in the societal influence of scientific knowledge and its utilization
- Strong interest in a wide scope of science and research
- Expectation that the applicant will go on to advance future research in the subject field(s)
- Expectation that by participating in the meeting the applicant will initiate joint research and/or build collegial networks in the future
- A strong desire to participate actively in the meeting exchanges and discussions
- Ample English proficiency to do so

## Cost Sharing

- JSPS will cover the cost of holding the meeting, in-country costs and overseas travel insurance
- Cooperating institutions will cover the international travel expenses of their own participants

## Schedule (tentative)

2017	June	Send out nomination requests to cooperating institutions
	29 September	Nomination deadline (for cooperating institutions)
	Early December	Notify cooperating institutions of the selection results
	Late December	Participants prepare for participation in meeting (1) submit registration forms, photos, abstracts
2018	Mid-January	(2) confirm travel plans, submit slides for Flash Talks
	10 March	Hotel Check-in and Orientation
	11 - 15 March	10th HOPE Meeting
	Late March	Participants submit reports
	April -	Send reports to cooperating institutions

**Nomination Deadline**

**29 September, 2017**

E-mail [hope-meetings@jspm.go.jp](mailto:hope-meetings@jspm.go.jp)

# Outline of the Previous HOPE Meetings

## 1st HOPE Meeting, 2008

### Date and Venue:

February 25-28, 2008 (Tsukuba, Japan)

### Subjected Fields:

Nanoscience and Nanotechnology

### 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.

### 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

### Date and Venue:

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

### Subjected Field:

Chemistry (and related fields)

### 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.

### 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

### Date and Venue:

March 7-11, 2011 (Tokyo, Japan)

### Subjected Field: Physics (and related fields)

### 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.

### 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

# Outline of the Previous HOPE Meetings

## 4th HOPE Meeting, 2012

### Date and Venue:

March 7-11, 2012 (Tsukuba, Japan)

**Theme:** Chemistry for Creating the Future

### 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.

### 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

### Date and Venue:

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

### Subjected Field:

Life Sciences (and related fields)

### 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.

### 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

### Date and Venue:

March 11-15, 2014 (Tokyo, Japan)

**Subjected Field:** Physics, Chemistry,

Physiology/Medicine (and related fields)

### 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.

### 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

# Outline of the Previous HOPE Meetings

## 7th HOPE Meeting, 2015

### Date and Venue:

March 1-5, 2015 (Tokyo, Japan)

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

### 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.

### 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

### Date and Venue:

March 7-11, 2016 (Tsukuba, Japan)

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

### 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.

### 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

### Date and Venue:

February 26-March 2, 2016 (Tokyo, Japan)

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

### 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.

### 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