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.
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)

<table>
<thead>
<tr>
<th>Date</th>
<th>AM</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MON, 9 Mar.</td>
<td>Opening Ceremony</td>
<td>Lecture 2</td>
</tr>
<tr>
<td>TUE, 10 Mar.</td>
<td>Lecture 3</td>
<td>Poster Session</td>
</tr>
<tr>
<td>WED, 11 Mar.</td>
<td>Lecture 5</td>
<td>Poster Session</td>
</tr>
<tr>
<td>THU, 12 Mar.</td>
<td>Lecture 6</td>
<td>Poster Session</td>
</tr>
<tr>
<td>FRI, 13 Mar.</td>
<td>Team Presentations</td>
<td>Closing Ceremony</td>
</tr>
</tbody>
</table>

Tentative (as of June 2019)
Organizing Committee of the HOPE Meetings

■ Chair
Takaaki Kajita <Nobel Laureate in Physics 2015>
Director, Institute for Cosmic Ray Research (ICRR)
Special University Professor, The University of Tokyo

■ Members
Toru Iijima
Nagoya University

Noriko Osumi
Tohoku University

Mitsuhiko Shionoya
The University of Tokyo

Hiroyuki Takeda
The University of Tokyo

Akira Fujimaki
Nagoya University

Minoru Yoshida
RIKEN / The University of Tokyo

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 (receiving their PhDs after 2 April 2014) 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, travel costs* and overseas travel insurance**
- Cooperating institutions will cover the international travel expenses*** of their own participants

* Accommodations at the designated hotel in Tsukuba (check-in: 8 March, check-out: 14 March, 2020), meals (from dinner on 8 March to breakfast on 14 March) and transportation between Narita/Tokyo International Airport and the hotel/meeting venue.
** Designated travel insurance valid during the meeting period (8 to 14 March).
*** International airfare to Narita/Tokyo International Airport, Japan.

Schedule (tentative)

<table>
<thead>
<tr>
<th>2019</th>
<th>June</th>
<th>Send out nomination requests to cooperating institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 September</td>
<td>Nomination deadline (for cooperating institutions)</td>
<td></td>
</tr>
<tr>
<td>Early December</td>
<td>Notify cooperating institutions of the selection results</td>
<td></td>
</tr>
</tbody>
</table>
| Late December     | Participants prepare for participation in meeting 
|                   | (1) submit registration forms, photos, abstracts |
| 2020  | Mid-January           | (2) confirm travel plans, submit slides for Flash Talks |
| 8 March         | Hotel Check-in and Orientation |
| 9 - 13 March    | 12th HOPE Meeting |
| Late March      | Participants submit reports |
| April -         | Send reports to cooperating institutions |

Nomination Deadline 30 September, 2019

E-mail hope-meetings@jsps.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

**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

### 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

**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

### 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.

## 3rd HOPE Meeting, 2011

**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

### 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.

## 4th HOPE Meeting, 2012

**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, Isreal, Japan, Korea, Malaysia, Mongolia, New Zealand, Philippines, Singapore, Taiwan, Thailand, Vietnam

### 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.
# Outline of the Previous HOPE Meetings

## 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
# Outline of the Previous HOPE Meetings

## 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.
### Outline of the Previous HOPE Meetings

#### 11th HOPE Meeting, 2019

<table>
<thead>
<tr>
<th>Lecturers:</th>
<th>Date and Venue:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hiroshi Amano (Physics, 2014)</td>
<td>March 4-8 2019 (Okinawa, Japan)</td>
</tr>
<tr>
<td>Takaaki Kajita (Physics, 2015) <strong>Chair</strong></td>
<td><strong>Subjected Field:</strong> Physics, Chemistry, Physiology/Medicine (and related fields)</td>
</tr>
<tr>
<td>Aaron Ciechanover (Chemistry, 2004)</td>
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<tr>
<td>Ada Yonath (Chemistry, 2009)</td>
<td></td>
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<tr>
<td>Ben L. Feringa (Chemistry, 2016)</td>
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</tr>
<tr>
<td>Tim Hunt (Physiology/Medicine, 2001)</td>
<td><strong>Participants:</strong></td>
</tr>
<tr>
<td>and other distinguished lecturers.</td>
<td>104 PhD students and young scientists</td>
</tr>
<tr>
<td></td>
<td>from the 19 countries/areas</td>
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<td></td>
<td>in the Asia-Pacific and Africa region:</td>
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<tr>
<td></td>
<td>Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Myanmar, Nepal, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Vietnam</td>
</tr>
</tbody>
</table>