



***The Summer Festival  
for the 30th Anniversary  
of the JSPS Washington Office***

***Co-sponsored by  
US and Canada JSPS Alumni Association***

Capital Hilton  
Washington, DC  
September 3, 2021



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

日本学術振興会



## *Foreword*

JSPS Washington Office was established in December of 1990. The first director Dr. Kasuke Takahashi was sent from KEK (National Laboratory for High Energy Physics, at that time) and prepared the office with Mr. Takashi Asai from the Ministry of Education, Science, Sports and Culture (at that time). The opening ceremony was held in April 1991 with the honorable guests from DOE, NIH, NRC and NSF. Also invited were researchers from nearby universities and science attaches from the various embassies in Washington D.C. The toast was given by H.E. Mr. Takayuki Kimura, the Ambassador, Permanent Observer of Japan to the Organization of American States.

In the first stage, the information gathering of US science policy and the mediation of scientific collaboration between Japan and the US were the most important roles of the Washington Office. Gradually, however, the network formation with various institutes in US and Canada, provision of information on Japanese sciences, and the support of exchange of researchers and students became more and more important.

The “Science in Japan” forum was started by Dr. Masatoshi Koshihara when he was the director in 1996 and is the annual event ever since (the only exceptions were in 2020 and 2021 due to the influence of COVID-19). At this forum, researchers from Japan and other countries present leading-edge results in a rapidly developing academic field. In 1996 the new fellowship scheme with NIH, now called “Kaitoku-NIH” was introduced. JSPS sends post-doc fellows to NIH laboratories for two years. The latest ten fellows have started their fellowships in early 2021. NSF runs the PIRE program with JSPS since 2012. A new series of Forum, “The Japan-US Science Forum in Boston,” started from 2016 with the collaboration of the Consulate General of Japan in Boston, and United Japanese Researchers Around the World (UJA). The alumni association with former awardees of JSPS fellowship to Japan, established in 2005 as the US Alumni Association is now renamed as the “US and Canada JSPS Alumni Association”. These are just examples of the activities of the Washington office. In the occasion of its 30<sup>th</sup> anniversary, I would like to thank all the friends of ours for their continuous support.

平田 光司

Kohji Hirata  
Director, JSPS Washington Office  
September 3<sup>rd</sup>, 2021



# Agenda

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[EDT]

10:00am - 10:10am

**Opening Remarks**

**HIRATA Kohji**, *Director, Japan Society for the Promotion of Science  
Washington Office*

**ARIBAYASHI Koji**, *Science Counselor, Embassy of Japan in the United States  
of America*

10:10am - 10:55am

**Lecture**

**KAJITA Takaaki**, *Director, Institute for Cosmic Ray Research, The  
University of Tokyo*  
"Research in Kamioka - Neutrinos and Gravitational Waves -"

10:55am - 11:25am

**Commentaries Part I – Video Addresses**

**SATOMI Susumu**, *President, Japan Society for the Promotion of Science*

**Corey A. Cohn**, *Senior S&T Advisor for International Programs, Office of  
Science, US Department of Energy*

**Shaun Baron**, *International Policy Advisor, Natural Sciences and  
Engineering Research Council of Canada*

**Mary Voytek**, *Senior Scientist for Astrobiology, NASA*

**Christine Pilcavage**, *Managing Director, MIT-Japan Program,  
Massachusetts Institute of Technology*

**Ranil Wickramashinghe**, *Distinguished Professor, Ralph E Martin  
Department of Chemical Engineering, University of Arkansas*

**Anthony Tosi**, *Associate Professor, Anthropology Department & School of  
Biomedical Sciences, Kent State University*

**Christina Laffin**, *Associate Professor, Canada Research Chair in Premodern  
Japanese Literature and Culture, Department of Asian Studies, University  
of British Columbia*

**Jamie Kass**, *JSPS Postdoctoral Fellow, Biodiversity and Biocomplexity Unit,  
Okinawa Institute of Science and Technology Graduate University*

**Baofeng Feng**, *Professor, School of Mathematical and Statistics Sciences,  
University of Texas Rio Grande Valley*

**Kimberly Bowen**, *Associate Professor, Kokoro Research Center, Kyoto  
University*

**Shelly Bagchi**, *Robotics Engineer, National Institute of Standards and  
Technology*

**Sampa Bhadra**, *Professor Emeritus, Physics and Astronomy, York University*

**Rodney D. Priestley**, *Pomeroy and Betty Perry Smith Professor, Chemical and Biological Engineering, and Vice Dean for Innovation, Princeton University*

11:25am - 12:10pm **US and Canada JSPS Alumni Association Session**

<Board of Directors>

**HIRATA Kohji**, *Director, Japan Society for the Promotion of Science Washington Office*

**Alan Tokunaga**, *Astronomer Emeritus, University of Hawaii*

**Christopher A. Loretz**, *Associate Professor, Department of Biological Sciences, University at Buffalo, The State University of New York*

**Dana Buntrock**, *Professor, Department of Architecture, University of California, Berkeley*

**Lawrence T. Scott**, *Professor Emeritus, Department of Chemistry, University of Nevada, Reno and Boston College*

**Mark C. Elliott**, *Vice Provost for International Affairs, Mark Schwartz Professor of Chinese and Inner Asian History, Harvard University*

**Duy H. Hua**, *University Distinguished Professor, Department of Chemistry, Kansas State University*

<IT Committee>

**Timothy Devarenne**, *Associate Professor, Department of Biochemistry and Biophysics, Texas A&M University*

**Sven K. Nelson**, *Director of Plant Science, Heliponix, Inc.*

**Dana A. Freiburger**, *Doctoral Candidate, History of Science Program, University of Wisconsin*

<Communications Committee>

**Louis Esparza**, *Associate Professor, Department of Sociology, California State University, Los Angeles*

**Chris Packham**, *Professor, Department of Physics & Astronomy, The University of Texas at San Antonio*

12:10pm - 1:10pm **Break** - Video

1:10pm - 2:00pm **History Session**

**HIRATA Kohji**, *Director, Japan Society for the Promotion of Science Washington Office*

<Video Lecture>

**SUGAWARA Hirotaka**, *Advisor and Former Director General, High Energy Accelerator Research Organization (KEK)*

<Live Comment>

**Jonathan A. Bagger**, *Chief Executive Officer, American Physical Society*

<Video Comments>

**MASAIKE Akira**, *Professor Emeritus, High Energy Accelerator Research Organization (KEK)*

**NOZAKI Mitsuaki**, *Professor Emeritus, High Energy Accelerator Research Organization (KEK)*

2:00pm - 2:50pm

**Commentaries Part II – Live Addresses**

**Michael M. Gottesman**, *Deputy Director for Intramural Research, National Institutes of Health*

**Anne L. Emig**, *Cluster Lead, Office of International Science and Engineering, National Science Foundation*

**Kimberly Montgomery**, *Director of International Affairs and Science Diplomacy, American Association for the Advancement of Science*

**Keiko Ozato**, *Senior Investigator, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health*

2:50pm - 3:05pm

**Break** – Video (JSPS Washington Office Memories)

3:05pm - 3:50pm

**Lecture**

**Rita R. Colwell**, *Distinguished University Professor, University of Maryland College Park and Johns Hopkins Bloomberg School of Public Health*  
“Thirty years with JSPS: Highlights and Observations”

3:50pm - 4:00pm

**Closing Remarks**

## Research in Kamioka - Neutrinos and Gravitational Waves -

Takaaki KAJITA  
(Professor, Director  
Institute for Cosmic Research, The University of Tokyo)



### Education

- 1977 - 1981 Undergraduate Student in the Faculty of Science,  
Saitama University, Obtained B.Sc.  
1981 - 1986 Graduate Student in the School of Science,  
The University of Tokyo, Obtained Ph.D.  
(Thesis advisor; Dr. Masatoshi Koshihara)

### Academic Career

- 1986 - 1988 Research Associate, International Center for Elementary Particle Physics, School of Science, The University of Tokyo  
1988 - 1992 Research Associate, Institute for Cosmic Ray Research (ICRR), The University of Tokyo  
1992 - 1995 Associate Professor, ICRR, The University of Tokyo  
1995 - 1999 Associate Professor, Kamioka Observatory, ICRR, The University of Tokyo  
1999 - Present Professor, Research Center for Cosmic Neutrino, ICRR, The University of Tokyo  
1999 - 2016 Director, Research Center for Cosmic Neutrino, ICRR, The University of Tokyo  
2008 - Present Director, ICRR, The University of Tokyo  
2017 - Present Council Member of Science Council of Japan (SCJ)  
2017 - Present Director, Next-generation Neutrino Science Organization  
2019 - Present Membership of the Japan Academy  
2020 - Present President, Science Council of Japan

### Academic awards

- 1988 1987 Asahi Prize (As a member of the Kamiokande Collaboration)  
1989 1989 Bruno Rossi Prize (As a member of the Kamiokande Collaboration)  
1999 1998 Asahi Prize (As a member of the Super-Kamiokande Collaboration)  
1999 The 45th Nishina Memorial Prize  
2002 2002 W.K.H. Panofsky Prize (with Drs. Masatoshi KOSHIBA and Yoji TOTSUKA)  
2010 The 1st Yoji Totsuka Prize  
2012 Japan Academy Prize  
2013 Julius Wess Award  
2015 2016 Breakthrough Prize in Fundamental Physics (with Super-Kamiokande Collaboration)  
2015 The Order of Culture  
2015 Person of Cultural Merit  
2015 The Nobel Prize in Physics 2015  
2016 Chunichi Cultural Award  
2016 2016 Harvard Foundation Scientist of the Year  
2017 The 37th GITAM Foundation Annual Award 2017  
2017 Berkeley Japan Prize  
2019 IUPAP-TIFR Homi Bhabha Medal and Prize

## Thirty years with JSPS: Highlights and Observations

Rita R. Colwell  
Distinguished University Professor  
University of Maryland College Park  
and  
Johns Hopkins Bloomberg School of Public Health



### Education

1956 B.S. (With Distinction), Bacteriology, Purdue University, Lafayette, Indiana, 1956  
1958 M.S. Genetics, Purdue University  
1961 Ph.D. Oceanography, University of Washington, Seattle  
1961-1963 Guest Scientist, National Research Council of Canada

### Academic Career

1955-1956 Laboratory Assistant, *Brucella* Laboratory, Purdue University, Lafayette, Indiana (part-time)  
1956-1957 Research Assistant, *Drosophila* Genetics Laboratory, Purdue University  
1957-1958 Research Assistant, Department of Microbiology, University of Washington  
1959-1960 Predoctoral Associate, University of Washington  
1961-1964 Assistant Research Professor, University of Washington  
Guest Scientist, Division of Applied Biology, National Research Council of Canada, Ottawa  
1963-1964 Visiting Assistant Professor of Biology, Georgetown University  
1964-1966 Assistant Professor of Biology, Georgetown University  
1966-1972 Associate Professor of Biology, with tenure, Georgetown University  
1972- Professor of Microbiology, with tenure, University of Maryland  
1977-1983 Director, University of Maryland Sea Grant College  
1980-1981 Acting Director, Center for Environmental and Estuarine Studies  
1983-1987 Vice President for Academic Affairs, University of Maryland  
1987-1991 Founding Director, Center of Marine Biotechnology, University of Maryland  
1987-1991 Founding Director, Maryland Biotechnology Institute, University of Maryland  
1998-2004 Director, National Science Foundation  
2004-Present Distinguished University Professor, University of Maryland, College Park, Maryland  
2004-Present Distinguished University Professor, Johns Hopkins Bloomberg School of Public Health

### Academic awards

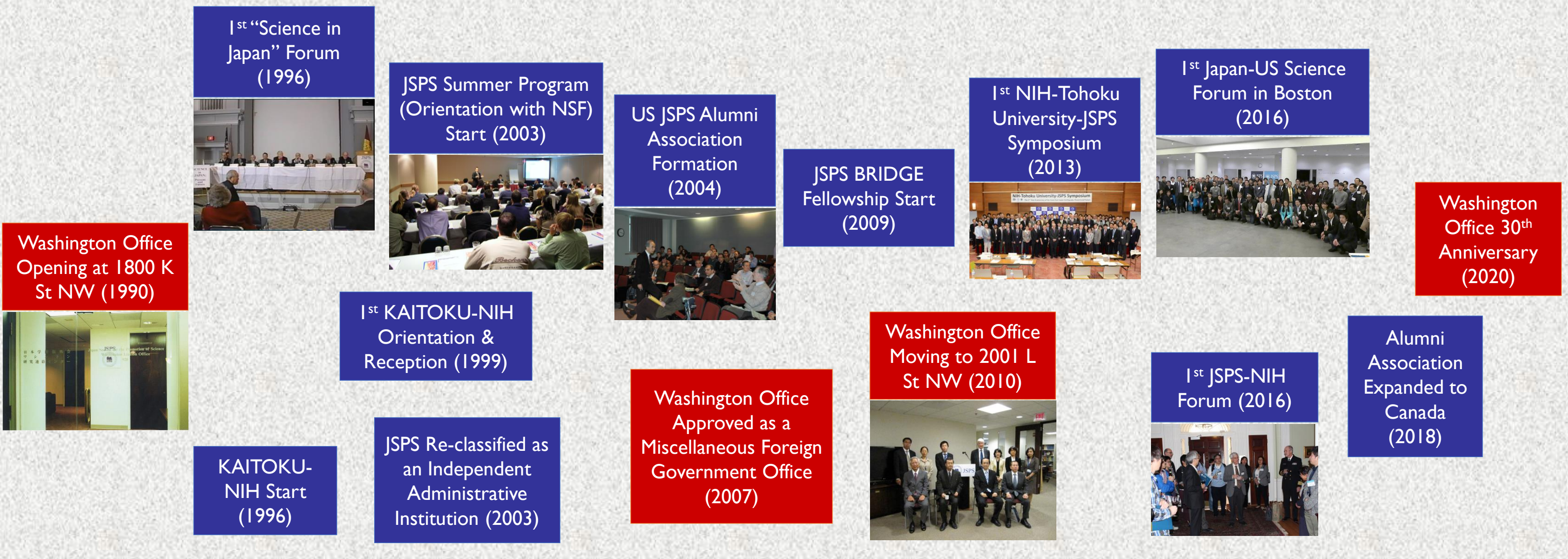
1952-1956 Purdue University Special Merit Scholarship  
1956 Purdue University Mortar Board Fellowship  
1956 Delta Gamma Senior Award  
1960 National Commercial Company Research Award  
1960 Fellow, Sigma Xi  
1968- Charter Member and Fellow, Marine Technology Society  
1968- Life Member, The Estuarine and Coastal Sciences Association  
1970 Fellow, Washington Academy of Sciences  
1971 Fellow, American Association for the Advancement of Science  
1972-1973, Foundation for Microbiology Lecturer, American Society for Microbiology  
79-80, 85-86

1972 Fellow, Sigma Delta Epsilon  
 1973 Fellow, American Academy of Microbiology  
 1975 Alpha Chi Sigma Professional Service Award  
 1978 Fellow, Canadian College of Microbiologists  
 1982 Tenth Annual Sea Grant Lecturer and Research Award, Massachusetts Institute of Technology  
 1984-1985 President, American Society for Microbiology (ASM)  
 1985 Fisher Award in Environmental Microbiology, American Society for Microbiology  
 1985 Fellow, World Academy of Art and Sciences  
 1988 Alice Evans Award, Outstanding Woman Microbiologist, American Society for Microbiology  
 1988 Fellow, Society for Industrial Microbiology  
 1988 Elected to Cosmos Club, Washington, DC (1st woman member of the Cosmos Club)  
 1992-1993 President, Sigma Xi  
 1992 Foreign Fellow, Bangladesh Academy of Sciences  
 1992 Honorary Member, Czechoslovakian Society of Microbiology  
 1994 Honorary Member, Israeli Society for Microbiology  
 1995 Honorary Member, French Society of Microbiology  
 1995-1996 President, American Association for the Advancement of Science (AAAS)  
 1995-1998 President, Washington Academy of Sciences  
 1998 Life Member, Society for Applied Microbiology (U.K.)  
 1998 Fellow, New York Academy of Sciences  
 2000 Elected Member, National Academy of Sciences  
 2003 Elected Member, Royal Swedish Academy of Sciences  
 2004 First Bass Fellow, Yale University  
 2005 “The Order of the Rising Sun, Gold and Silver Star,” awarded by the Emperor of Japan  
 2007 2006 National Medal of Science, awarded by President George W. Bush  
 2010 2010 Stockholm Water Prize, awarded by the King of Sweden  
 2010- Honorary Member, Royal Irish Academy  
 2016 Malaysian Academy of Science Mahthir Science Award for Scientific Excellence in Work in the Tropical Regions  
 2016 Prince Sultan Bin Abdulaziz International Prize for Water, Creativity Prize, Saudi Arabia  
 2017 Honorary Member, New York Academy of Science  
 2017 Vannevar Bush Award, National Science Board and National Science Foundation, Washington, D.C.  
 2017 International Prize for Biology, Japan Society for the Promotion of Science, Tokyo, Japan  
 2017 Chevalier de la Légion d’Honneur (“Knight of the Legion of Honor”), France  
 2018 Lee Kuan Yew (Singapore) Water Prize, Singapore

64 Honorary Degrees have been awarded.



# Brief History of JSPS Washington Office



1990 2000 2010 2020

Agreement between the Government of Japan and the Government of Canada on Cooperation in Science and Technology (1986)

Agreement between the Government of Japan and the Government of the United States of America on Cooperation in Research and Development in Science and Technology (1988)

Basic Act on Science and Technology (1995 Japan)

The Nobel Prize in Physics Dr. Masatoshi Koshiba (2002)

Great East Japan Earthquake (2011)

NRC 100<sup>th</sup> Anniversary (2016 Canada)

NIH-FIC 50<sup>th</sup> Anniversary (2018 US)

NSF 70<sup>th</sup> Anniversary (2020 US)

The Nobel Prize in Physics Dr. Takaaki Kajita (2015)

International Prize for Biology Dr. Rita R. Colwell (2017)

COVID-19 Epidemic (2019-)

# *Directors of JSPS Washington Office*



1990-1992  
Kasuke Takahashi



1992-1995  
Akihiro Maki



1995-1997  
Masatoshi Koshiba



1997-1998  
Ken Kikuchi



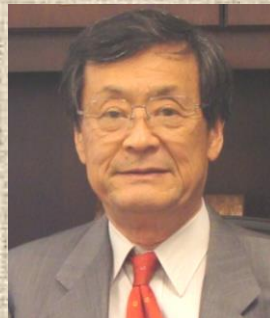
1998-2000  
Kasuke Takahashi



2000-2004  
Seishi Takeda



2004-2008  
Akira Masaie



2008-2012  
Hirotaka Sugawara



2012-2015  
Osamu Shimomura



2015-2017  
Mitsuaki Nozaki



2017-  
Kohji Hirata

## “Science in Japan” Forum Series

No.	Date	Topics
1	2/7/1996	Science in Japan; Present and Future
2	3/7/1997	Science and Science Policy of Japan
3	3/10/1998	Science in Japan
4	6/17/1999	Science in Japan
5	6/16/2000	Science in Japan
6	6/15/2001	Science in Japan
7	6/14/2002	Nanoscale Science and Technology
8	6/6/2003	Cosmos and Earth
9	6/11/2004	Science in Japan
10	6/10/2005	Progress in Interdisciplinary Fields of Physics: Cosmos, Elementary Particles, Nuclei, and Atoms
11	6/16/2006	Supercomputer and its Applications
12	6/15/2007	Science Policy, Fusion Science and Accelerator Science
13	6/20/2008	Interaction of Physics and Biology
14	6/11/2009	Women in Science
15	6/15/2010	Energy and Environment
16	6/21/2011	Immune System and Cancer
17	7/12/2012	Routes of Indigenous Research
18	7/21/2013	Chemistry Saves the Earth - Toward Sustainable Society -
19	10/3/2014	Frontiers of Research on Low-Dimensional Systems
20	6/12/2015	Frontiers of Research on Marine Biological Science
21	6/10/2016	US-Japan Collaboration in Space Science - Past, Present and Future -
22	6/9/2017	US-Japan Astronomy: Partnership & Opportunities
23	6/15/2018	Memory and the Museum
24	6/7/2019	New Eyes on the Universe

## Videos during Break

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### <JSPS Promotion>

-JSPS Supports Science

### <JSPS Programs>

-JSPS Summer Program

-WPI (World Premier International Research Center Initiative) Introduction

### <Newest WPI Research Centers>

-ASHBi (Kyoto University)

-ICReDD (Hokkaido University)

### <Web Japan by Ministry of Foreign Affairs> <http://web-japan.org/>

-Fireworks Traditional Skills in a Modern Entertainment

-Sado – The Way of Tea

-Manga – Inspiring Creators Worldwide

-Learning about Life with Robots

-Shokuiku – Food Education

-Life with Virtual Companions

-Japanese Style Hospitality - Cleanliness is Key

-A Paper Revolution

-Ekiben Boxed Lunches for Train Travel

-Clean Water for All

-The World of Yōkai - Mysterious Spirit Allies

-Enjoying the Autumn Colors

## Acknowledgement

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JSPS Washington Office  
2001 L Street NW, Suite 1050  
Washington D.C. 20036  
United States of America

Telephone : (202)659-8190  
Facsimile : (202)659-8199  
E-mail : was-info@overseas.jsps.go.jp  
Website : <https://jspsusa.org>