Official Report

Outline

■What is Science Agora

Science Agora is an open forum, in which people from all positions of society (including citizens, researchers, specialists, media, and persons involved in industry and politics) can participate and converse, the purpose of which is to deepen the relationship between "science" and "society."

■Vision

The vision sets forth the long-term objective that we wish to make through the Science Agora.

A future woven through dialogue between science & daily life

Science and technology have developed in parallel with wealth and power in the 20th century. However, in the face of limited resources on Earth and growing strain on the world, we are now beginning to see the limitations of science and technology. In particular, as we make the transition from a growth society into a mature society, the Japan of today is confronted by many problems and it has become extremely difficult to see ahead into the future. In such a Japan, it is important for the relevant stakeholders to create a space where they can come together to consider the future of science and society, respect the views of others, and create a future. We hope to foster such a culture. Furthermore, there are diverse attitudes and approaches depending on the country/region and culture, and we hope to explore methods that are unique to Japan.

[Key points]

①We not only placed the emphasis on "creating a space," but also on having the approach of having everyone put their heads together to create a future society.

②The concept embedded in "daily life": In addition to placing the focus on the daily lives and ways of life of each individual, close to their heart, this approach also considers society as a whole.

③The concept embedded in "weaving": The importance of exploring methods that are unique to Japan for the creation of a future society has been incorporated into this concept. We call to mind the image of spinning thread a process of creating harmony in the sense of bringing thin and short, disjointed fibers closer together, and gradually building up and creating something meaningful rather than taking a single leap all at once.

■Themes of Science Agora

Beyond the boundaries

Amidst the development of science and technology, the specialization and professionalism of the academic disciplines have become dramatically refined, and we have gained the ability to pursue knowledge with greater depth. However, to gain an awareness of the new values of society and solve the diverse issues that it faces in modern times, it is not sufficient to harness just one academic discipline and standpoint, or the wisdom of a single generation. Already, we are beginning to witness moves to interweave the wisdom and knowledge of people across various boundaries. How should we introduce science and technology into our lives so that every individual can be enriched in mind and spirit? What can science and technology achieve? Let's create a space to think about these questions together, across the boundaries of academic discipline, standpoint, country, culture, and generation.

Outline

■Name：Science Agora 2018

■Period：November 9 (Fri) to 11 (Sun), 2018, 10:00 to 16:00　(From 13:00 to 16:15 on November 9)

■Venue：Nov 9, Miraikan (venue for ceremonies)
Nov 10 and 11, TELECOM CENTER BUILDING (main venue)

■Host: Japan Science and Technology Agency (JST)

Collaborator: TOKYO TELEPORT CENTER INC. / Fuji Television / Sony Mobile Communications Inc. / Unity Technologies Japan / Kyoto Institute of Technology KYOTO Design Lab

Supporter: Cabinet office / Ministry of Foreign Affairs / Ministry of Education, Culture, Sports, Science and Technology / Ministry of Economy, Trade and Industry / Science Council of Japan / Keidanren / Tokyo Waterfront City Association / The Japan Association of National Universities / Federation of Japanese Private Colleges and Universities Associations / RIKEN / National Institute of Advanced Industrial Science and Technology

GlobalPartner: American Association for the Advancement of Science (AAAS) / EuroScience / Korea Foundation for the Advancement of Science and Creativity (KOFAC) / Department of Science and Technology, Republic of South Africa

Sponsor: Asahi Kasei Corporation / Elsevier Japan KK / NIPPON TELEGRAPH AND TELEPHONE CORPORATION

■Participation fee：Free of charge (Note: some programs may have fees, such as for materials.)

■How to participate：Participation is free. (Note: some programs may require preregistration.)

Numerical Results

■Science Agora 2018 (Annual Meeting)

Participants

	Attendees	Contributors	Invitees	Press	Total
<Tokyo> Science Agora 2018 9 (Fri) to 11 (Sun) November	2,764	1,218	14	25	4,021

Contributed programs

	Science Agora 2018 9 (Fri) to 11 (Sun) November
Booths	70
Sessions	50
Total programs	120

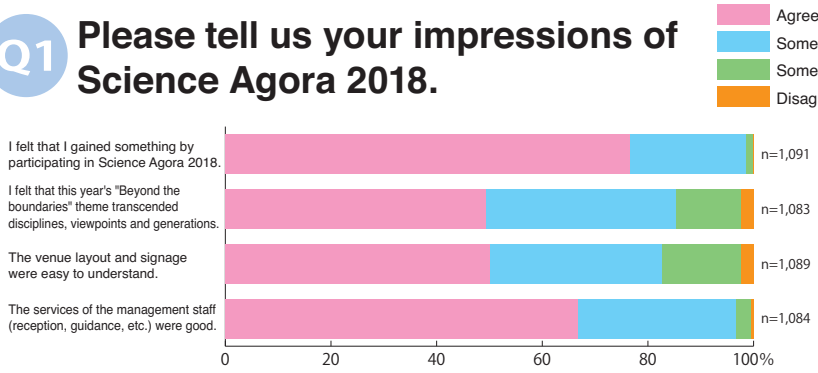
■Science Agora 2018 (cooperative projects)

Participants

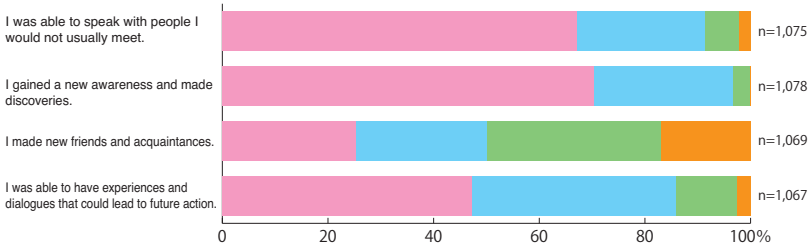
	Attendees	Contributors	Invitees	Press	Total
<Hyogo> Science Agora in KOBE 23th (Fri) November	165	8	0	5	176

Results of Attendee Questionnaires

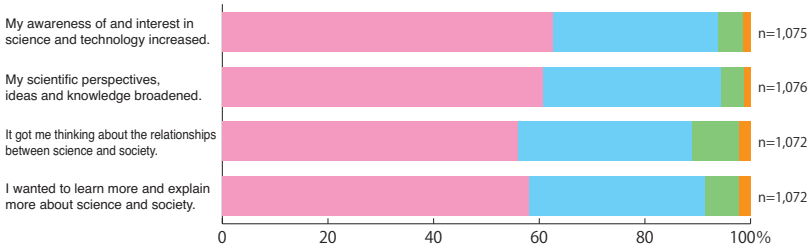
Q1 Please tell us your impressions of Science Agora 2018.



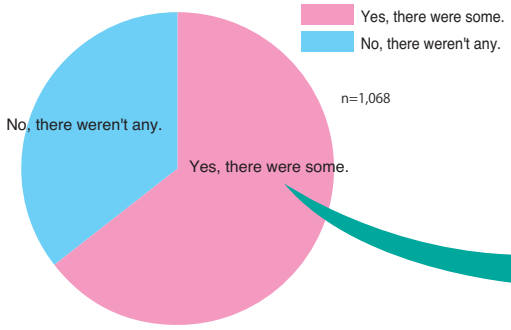
Q2 Please tell us about your experiences at Science Agora 2018.



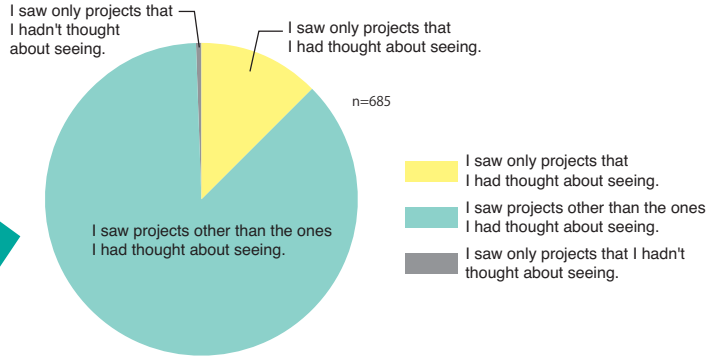
Q3 How did your attitudes or ways of thinking change by participating in Science Agora 2018?



Q4 Were there any projects you thought about seeing before you came?

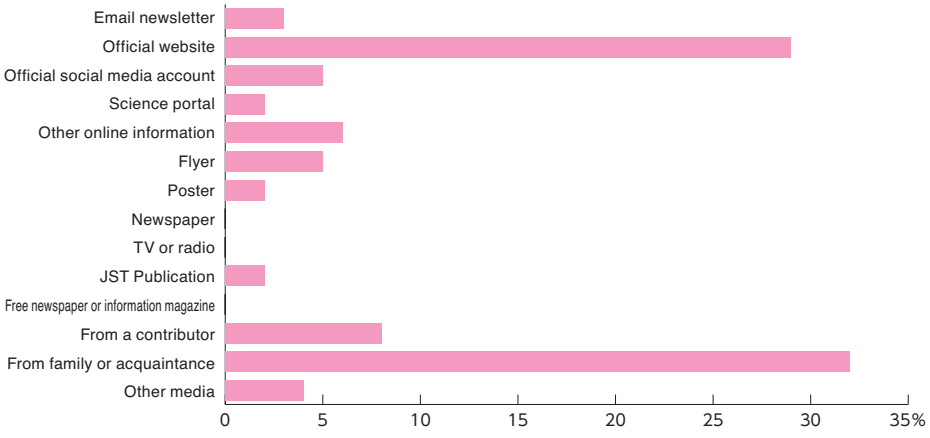


Q5 Did you see any projects other than those you thought about seeing before you came?

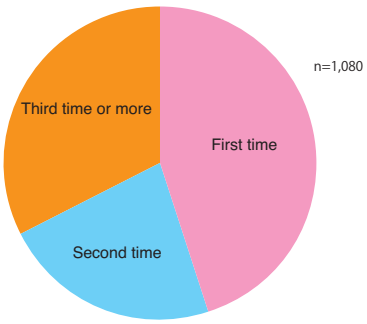


■Results of Attendee Questionnaires

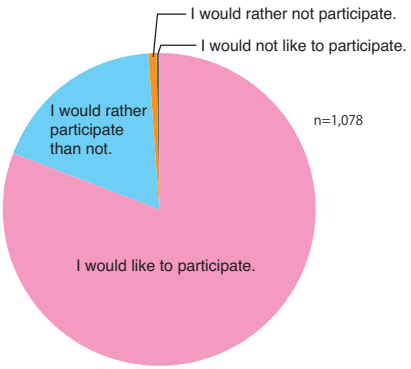
Q6 How did you hear about Science Agora 2018? (Please list as many as apply.)



Q7 How many times have you visited Science Agora?



Q8 Do you think you would like to participate in Science Agora again?



■Opening Ceremony

Date: 13:00-13:30, November 9(Fri), 2018
Venue: Miraikan Hall, 7th Floor, Miraikan
Organizer: Japan Science and Technology Agency

〈Speakers〉
Michinari Hamaguchi President, Japan Science and Technology Agency
Takaki Shirasuka Parliamentary Vice-Minister of Education, Culture, Sports, Science and Technology
Fumikazu Sato Deputy Director General for Science ,Technology and Innovation, Cabinet Office
Takashi Yoshimura Director, Industrial Technology Bureau, KEIDANREN
Yeon Goo Choi Head Director, Division for the Cooperation in Science Culture, Korea Foundation for the Advancement of Science and Creativity (KOFAC)
Masato Masaki Senior Executive Director, Japan Science and Technology Agency

President Hamaguchi delivered an opening address on behalf of the organizer, followed by greetings from domestic and overseas guests and a declaration of opening by Senior Executive Director Masaki.

●Key messages

- ◆This year marks the 13th year of Science Agora. Next year will mark the 20th anniversary of the Budapest Declaration, and I'm feeling the profound meaning of its fourth declaration, "science in society and science for society." It is becoming critical to free science from the exclusive domain of scientists and extend it to the wider society, where science is something we create through collaboration. Science Agora this year picks up "co-creation" as an important concept. (President Hamaguchi, JST)
- ◆Science Agora is an important place where all types of people come together to think about science and technology and share diverse knowledge and values through dialogue and collaboration. A scientific approach is becoming even more important toward the realization of "Society 5.0," which is envisioned as a model of the future society in the 5th Science and Technology Basic Plan, as well as the Sustainable Development Goals. (Parliamentary Secretary Shirasuka for the Minister of Education, Culture, Sports, Science and Technology)
- ◆The integration between information, human capital, and wisdom forms the heart of scientific innovation, and the need for co-creation among diverse stakeholders has increased. The significance of Science Agora—a place of dialogue and collaboration—becomes even more significant as that is exactly the approach we need to apply toward our global problems. (Deputy Director-General Sato, Cabinet Office)
- ◆We will make a serious effort toward the realization of "Society 5.0." While knowledge from natural sciences brings prosperity, it is undeniable that it also generates problems such as disparities. In order to overcome such problems, we need to fully mobilize science in the broader sense of the term, encompassing humanities and social sciences. This is a place where our future, Society 5.0, can be co-created. (Director Yoshimura, Industrial Technology Bureau, Japan Business Federation)
- ◆We are entering an era in which we must work out how to coexist with artificial intelligence. Citizens must develop greater curiosity toward science and have a better understanding of it. I believe that we can make a change by combining the knowledge of the participants of Science Agora. Science Agora is a place that mediates between science and society. (President Choi, KOFAC)
- ◆This year's Science Agora establishes four topics, and each topic has assembled select projects along the respective theme. In addition, each topic has its "questions," which we'd like to invite everyone to contemplate. Let's spend the next three days to consider together how we can incorporate science to ensure an emotionally prosperous life for everyone, and what science can do. (Senior Executive Director Masaki, JST)

■Keynote Lectures

ANA's endeavor to connect all 7.5 billion people on Earth

Date: 13:30-14:30, November 9(Fri), 2018
Venue: Miraikan Hall, 7th Floor, Miraikan
Organizer: Japan Science and Technology Agency

〈Speakers〉
Yoshiaki Tsuda Vice President, ANA Digital Design Lab, ANA HOLDINGS INC.
Akira Fukabori / Kevin Kajitani AVATAR Program Director, ANA Digital Design Lab, ANA HOLDINGS INC.

The keynote lecture, delivered by three members of ANA's Digital Design Lab, focused on the Avatar project, which seeks to create a brand-new market and demand through ANA's innovative ideas, and the ANA Avatar X Prize program, a collaboration between ANA and a US non-profit organization, X Prize Foundation. The audience responded by asking questions about the applications of Avatar and the length of time it would take for Avatar to become widely adopted.

●Key messages

- ANA's history goes back to its beginning as a start-up company with just two helicopters. ANA has kept growing until today by continuing to transform itself. We have established the ANA Digital Design Lab within the company, where diverse members work on the realization of the themes we freely create under the guidance of our corporate philosophy, "Wings within Ourselves." (Mr. Yoshiaki Tsuda)
- Avatar is a mode of transportation of the future. It is a technology that allows us to transport ourselves over time, distance, cultures, ages, and physical abilities. The aeronautical business currently directly impacts only six percent of the world's population. The Avatar Project sets out to contribute to 100 percent of them and connect 7.5 billion people. (Mr. Kevin Kajitani)
- The ANA Avatar X Prize is a global prize competition. The competition began last year, competing to come up with the theme of the race, resulting in the adoption of the ANA Avatar Project. Although we initially proposed the idea of teleportation, we switched it to our current focus on Avatar, to aim for something achievable within five to 10 years. We will create a technology that enables people to go where humans cannot presently go, and provide the services and technologies of professionals across time and distance to individuals who desperately need them. (Mr. Akira Fukabori)
- It is important to make rules to prevent abuse. In order for Avatars to be used across regions, countries, and cultures, we must consider not only the technology but also the rules for employing this technology in society. (Mr. Tsuda and Mr. Fukabori)

■Keynote Session

Expectation for co-creative activities towards and beyond achievement of SDGs

Date: 14:45-16:15, November 9(Fri), 2018
Venue: Miraikan Hall, 7th Floor, Miraikan
Organizer: Japan Science and Technology Agency

The keynote session explored the values that R&D and industries will provide in the future, the directions in which we should go, and the challenges we must overcome, by examining the society we envision through achieving the Sustainable Development Goals (SDGs) and what might constitute a genuine form of happiness that we want to pass on to future generations.

〈Speakers〉

Taro Komatsu Professor, the Department of Education in the Faculty of Human Sciences /Director, the Center for Global Education and Discovery at Sophia University
Hideyo Kunieda Senior Fellow of Japan Science and Technology Agency (JST)
Akira Fukabori AVATAR Program Director, ANA Digital Design Lab, ANA HOLDINGS INC.
Kay Firth-Butterfield Head, Artificial Intelligence and Machine Learning, World Economic Forum LLC
Hank Kune Founding Partner of the Future Center Alliance (FCA)
Martha Russell Executive Director of mediaX at Stanford University and Senior Research Scholar at the H-STAR Institute
Michiel Kolman Senior Vice President-Information Industry Relations and President International Publishers Association Diversity and Inclusion in the publishing at Elsevier

〈Moderator〉

Shoji Komai Associate Professor, Nara Institute of Science and Technology

●Key messages

- ◆There exist diverse values and problems in the world. We must ask ourselves whether it is enough for us to just keep moving forward with technology. We also have to consider what form of happiness we want, and in what ways we are using technology to resolve problems in achieving that goal. (Dr. Shoji Komai)
- ◆When we achieve the SDGs, I'd like to give a greater focus to the social and ethical aspects that we want to maintain. Places that experience armed conflicts tend to have a history of injustice preceding such conflicts. We also should remember that the politicians and their supporters who promoted ethnic conflicts in the former Yugoslavia were highly educated. In our effort to achieve the SDGs, the education we need must integrate science, technology, engineering and mathematics (STEM) and social sciences/humanities. The important things are social justice and responsibility for the next generation. (Dr. Taro Komatsu)
- ◆Stanford University's mediaX is an interface that enables industry–government–academic dialogue. It serves as a virtual network for about 30 research institutes. It takes time to discuss how we use technology and what impacts it might have on our lives. The key is to "continue the dialogue." We set the melody and the keys, just as in jazz music, and each player takes turns to play while listening to how others play. A dialogue that builds up such interactions is very productive. Our focus should not be so much on technology (cocerning the technology facilitating the achievement of SDGs), but rather on the community. Humans must create communities while respecting the uniqueness of everyone. We welcome the role that technology plays in that effort but we need to be reminded that technology does not fill all gaps. We must be thoughtful and recognize that we owe a duty to the future. (Dr. Martha Russell)
- ◆JST's Mirai Program looks ahead 10–20 years and seeks to use innovative technologies to solve problems that are anticipated in the future society. To "solve problems anticipated in the future," science and technology will certainly be required, but it also demands social change. In addition, we can forecast problems with some level of certainty, but it is much more difficult to create a dream. I propose to incorporate more useful things into our dialogue with society so that we can accomplish what we set out to do, instead of just continuing to debate for the sake of debating. (Dr. Hideyo Kunieda)
- ◆We firmly believe that any social problem can be resolved. The problem is that the people who have the ability to solve them are not in the right place at the right time. I believe that solving this problem would accelerate our efforts on the global agenda and the SDGs. (Mr. Akira Fukabori)
- ◆The SDGs call for universal actions, and this requires "co-creation." No single entity will be able to accomplish it alone. As a scientific publisher, Elsevier has been supporting "reading" and "discovering" through the dissemination of quality information, but we'd now like to expand, and to support "doing." An example would be Elsevier providing correct information to a surgeon so that the surgeon would be able to judge whether surgery is needed or not. (Dr. Michiel Kolman)
- ◆I believe that the world in 2050 will be in an age of "New Commons." Resilience will be critical at the individual, organization, and society levels. We will be required to have the capability to recover from crises and drive toward new opportunities. The Joint Research Center of the European Commission is undertaking multiple projects. Those projects exemplify the importance of cross-border cooperation, innovative ecosystems, empowerment of individuals to promote citizen-led innovation, and listening to children. (Mr. Hank Kune)
- ◆AI is not a magic wand that solves every single problem. Just as it took years for Harry Potter to learn how to use his magic wand, we need to create a roadmap and foundation to adopt and take advantage of AI. That's exactly what we are trying to do at the World Economic Forum. What is of critical importance is to incorporate ethics, inclusion, and human-centric design into the governance of AI. We must examine the goals pursued by the government and also train AI researchers so that they would understand the social impact of AI. When we apply AI to education, we must create the foundation that addresses children's privacy, what they should learn, and what devices they will use. (Dr. Kay Firth-Butterfield)
- ◆Even though it is not as if we already have a clear answer to the "SDGs and beyond," I believe that we have at least managed to stimulate everyone. There was an international conference in which we debated "Enlightenment 2.0," and some of us suggested that even though it is important to develop logic, we should also more carefully consider emotion and passion that give meanings and values to logic. I think this point is applicable to our own debate today. (Dr. Shoji Komai)

Science Agora 2018 Promotion Committee

Chair	**Shoji Komai** (Associate Professor, Nara Institute of Science and Technology)
Committee member	**Seita Emori** (Deputy Director, National Institute for Environmental Studies Center for Global Environmental Research)
Committee member	**Keiichi Hirotsune** (CEO, Institute of Creative Industries and Culture)
Committee member	**Satoko Fujiwara** (Professor, Graduate School of Humanities and Sociology The University of Tokyo)
Committee member	**Komi Matsubara** (Deputy Manager, Mitsubishi Electric Corp. Industrial Design Center Solution Design Department)
Committee member	**Kouta Minamizawa** (Associate Professor, Graduate School of Media Design, Keio University)
Committee member	**Naoki Miyano** (Associate Professor, Center for the Promotion of Interdisciplinary Education and Research, Kyoto University)

As of December 2018

	Program Title	Organizer
01	**Touch rally in Science Agora 2018**	National Institute of Advanced Industrial Science and Technology AI Technology Consortium
02	**★Innovation by Design**	KYOTO Design Lab, Kyoto Institute of Technology
03	**Fashion Tech Lab - a case study of fashion tech prototype and idea -**	Fashion Tech Lab Digital Hollywood University Graduate School
04	**★Cyborg, Self-driving car, and Flood forecast - Master the future technologies!**	Institute of Industrial Science, the University of Tokyo
05	**★Development of a sustainable science education system for schools after a disaster**	Science & Education Center, Ochanomizu University
06	**HARDWARE in your life! ～Incubator Lab MONO～**	Asia Startup Office MONO
07	**Europa Open Science House**	Delegation of the European Union to Japan
08	**Goldfish-Man: Feeling the perspective on nature through Ukiyo-e**	Tokyo University of the Arts Center of Innovation (COI)
09	**Design X**	MITSUBISHI ELECTRIC CORPORATION INDUSTRIAL DESIGN CENTER
10	**Share your opinions!**	Japan Science and Technology Agency, SONY
11	**What is IoT? Utilizing IoT, Smart TOKYO**	Tokyo Metropolitan Industrial Technology Research Institute
12	**Experience The Wonder of Light**	Osaka Prefecture University, Research Group of Solid State Physics
13	**Let's experience Fusion Energy in VR!**	Fusion Energy Research and Development Directorate National Institutes for Quantum and Radiological Science and Technology
14	**A longing for space and a research facility in Tsukuba Science City**	Tsukuba Science Tour Office
15	**What is cosmic radiation? - Active dosimeter in the International Space Station**	High Energy Accelerator Research Organization
16	**ImPACT SHIRASAKA Program 「Small Synthetic Aperture Radar (SAR) Satellite System」**	Impulsing Paradigm Change through Disruptive Technologies Program (ImPACT)
17	**Let's make your earth heart through the experience of 4D2U / Mitaka**	Culture & Science Communication Project, Kanazawa Institute of Technology
18	**New suggestion Mscale. Warning!　extratropical cyclone.**	Meidai junior high school
19	**Air is powerful!?　～let's feel the power of the air that can not be seen～**	Okayama university Of Science.Science Volunteer Center
20	**Touchy & Watery Soft Aqua-Ball**	Science à la carte Ecole Project@OIT
21	**Experiments with a River Geomodel : "What is gonna happen if we have heavy rain?"**	Little River Research & Design
22	**"Uminomanabi" museum support program　Let's exprole the tide pools! －The outcome of our program－**	Uminomanabi Museum Support from the Museum of Maritime Science (Supported by The Nippon Foundation).
23	**Original rock specimens making -let's enjoy geoparks!**	Japanese Geoparks Network
24	**Small marine creatures supporting our daily lives**	Ocean Literacy and Education Panel, the Oceanographic Society of Japan
25	**Let's watch invisible living things: our tiny little friends**	Japanese Society of Microbial Ecology
26	**★Biodiversity - Alien species and the value of lives**	The Japan Biodiversity Association
27	**Let's study biology using handmade teaching tools.**	Department of Applied Bioscience, Kanagawa Institute of Technology
28	**The silkworm "An attractive bioresource supplied by Japan"**	Kyushu University・The Japanese society of sericultural science
29	**★Gunma★Raw Silk★Slime★**	Jutoku high school Science club
30	**Mysterious and interesting!　Welcome to the wonderland of quantum beam.**	National Institutes for Quantum and Radiological Science and Technology

	Program Title	Organizer
31	**Watching and Touching 'atoms and molecules'!**	Society of Computer Chemistry, Japan
32	**MoleQrious! 2018 - Molecular Detective -**	MoleQrious! - Feel the molecules -
33	**Starting Burner Work with Glass Miniatures of Small Molecules**	Glass Miniatures Guild, College of Liberal Arts and Sciences, Kitasato University
34	**Fun in the Micro World – Let's Play with Model Atoms**	3D Active-Site Science", JSPS Grain-in-Aid for Scientific Research on Inovative Areas
35	**"Shape" of proteins, which supporting the life**	IPR of Osaka Univ., PDBj, Hiroshima City Univ., Ritsumeikan Univ.
36	**Let's find brain mechanisms creating our minds**	QST-NIRS
37	**Sugar science for opening up healthy society in Japan**	Tokyo University of Technology, Biopharmaceutical laboratory
38	**MM Lab – Human Body Crafts for kids –**	KAWASAKI MEDICAL SCHOOL MEDICAL MUSEUM
39	**What is Genomic Medicine? - Talk to Genetic Counselors -**	Graduate School of Medicine, Osaka University Immunology Frontier Research Center, Osaka University
40	**Breeding Technology: Past and Future**	Section of Biotech Research Promotion and Public Affairs, Institute of Agrobiological Sciences, NARO
41	**How do we prepare foods to support our lives in future?**	Advanced Program for Program manager`s Candidate Hub Project
42	**Let's taste the future super food "Insect"! - beyond the barrier of dietary practices -**	Japan edible insect science laboratory
43	**Find your WILL**	Doshisha unicersity Share Your Value Project
44	**Enjoying Science**	Communicators of Science and Technology
45	**What is an intermediary connecting social problems and science and technology**	OSAKA NPO CENTER
46	**STEM Challenge to encourage girls (Riko-challe)**	Gender Equality Bureau Cabinet Office
47	**Let's discuss about the relation and connection between company and school, with our experienced business masters**	Certified Management Support NPO Club
48	**South Africa - Living Laboratory**	Embassy of the Republic of South Africa
49	**Academic jewelry box found in Paris: creation of the future by transboundary**	Paris interdisciplinary researchers meeting
50	**Let's learn about social issues and solutions! Trial session of Original board game ～Sustainable World 2030～!**	Future Technology Association for Promotion
51	**Imagine and Create Your City in 10 Years ～Future Lifestyle Improved with Technology～**	Cross-ministerial Strategic Innovation Promotion Program, Cabinet Office
52	**delightful teaching aids of robot programming for beginners**	Fingerpost / TEPIA
53	**Let's make games with Unity!**	Unity Technologies Japan, G.K.
54	**Let's think by a programming!**	Tokyo Metropolitan Fuji High School, Junior High School Physical Science Club
55	**Amazing! Introductory Programming with "Scratch"**	F.C.Lab (Science and mathematics course) Gunma Prefectural Fujioka Chuo High School
56	**Free Programming Workshop for Kids with SkyBerryJAM**	Nittetsu Hitachi Systems Engineering, Inc. and Tochigi Technical High School
57	**We aim for the future of Drone fly freely ～Let's think safety of sky～**	safety first★Puropera squadron - DRONEJAI
58	**Stage Creator for four frames animation**	National Institute of Technology, Matsue College
59	**Curious image factory: Science classroom in liberal arts major.**	milcra media @ Tokyo Zokei University, Art and Design
60	**Let's make an Archimedean Screw**	Society of Professional Engineers of Keio University

	Program Title	Organizer
61	**Let's learn about sand! ～Shall we draw a sand picture ''Sae''?～**	JAPAN CONSERVATION ENGINEERS & CO.,LTD.
62	**Make Animacy**	Special Interest Group on "Play and Robots" @ Robotics Society of Japan
63	**Scientific experience at a city area!**	National Institute of Technology, Hachinohe College. Science Club.
64	**Scientific Communication to be Connected from the Doujin Activities**	Alliance of Science Circles in the Comiket
65	**Wonder of Shape and Space: Let's play with Tessellation**	Japan Tessellation Design Association
66	**Science Now ! Let's make an exciting discovery**	Urawa-Higashi High School & SPP
67	**Baikins' World 2018**	Osaka City University x National Institute of Infectious Diseases x Notion
68	**Open the door of science's knowledge with creative magic!**	Science Magic Project by University of Toyama
69	**Chemistry is ∞ (Infinity) !? ～Learn familiar chemistry with games～**	The Workshop of Teaching Materials for Chemistry, College of Science and Technology, Nihon University
70	**UTokyo: Looking Forward**	The University of Tokyo (UTokyo)
101	**Opening Ceremony**	Japan Science and Technology Agency
102	**【Keynote Lecture】ANA's endeavor to connect all 7.5 billion people on Earth**	Japan Science and Technology Agency
103	**【Keynote Session】Expectation for co-creative activities towards and beyond achievement of SDGs**	Japan Science and Technology Agency
104	**Yoshimoto Robot Programming Workshop for SDGs**	Yoshimoto Robotics Laboratory, The Secretariat of Science Agora Cooperation：SoftBank Robotics Corp.
105	**★Fashion Tech Lab - a case study of fashion tech prototype and idea -**	Fashion Tech Lab Digital Hollywood University Graduate School
106	**Networking event for exhibitors and session organizers**	Department for Promotion of Science in Society, Japan Science and Technology Agency
107	**Social Haptics: Toward the Empathized Community based on Embodied Experience Sharing**	JST RISTEX Wellbeing Project / JST ACCEL Embodied Media Project
108	**★Innovative idea from "the Future Prime Minister"**	Department for Promotion of Science Education, Department of Industry-Academic Collaboration, Research Institute of Science & Technology for Society, Department for Promotion of Science in Society, Japan Science and Technology Agency
109	**Endangered species relief action ～Think about a sustainable society with Robots**	Tokyo＋Kanazawa＋Osaka High School Students United ～SeaGlobe
110	**A GREAT SCIENCE EDUCATOR: Marie Skłodovska-Curie ～Marie Curie's Science Lessons～**	Science Studio Marie (SSM)
111	**What is Blood?**	Non Profit Organization Minamisoma Science Lab.
112	**Kyushu University CSTIPS STS Statement Science Session**	Center for Science, Technology and Innovation Policy Studies, Kyushu University
113	**School×Science Museum ～How we can deepen learning**	The National Museum of Emerging Science and Innovation (Miraikan)
114	**Let's say "I do not know" with us**	YURUGEB
115	**Future prospect of silk science and technology**	The Japanese society of sericultural science
116	**The study of thermoacoustic engine and "narukama-shinji" in Kibitsu shrine**	Okayama prefectural Kurashiki Amaki junior high school and Kurashiki Amaki high school
117	**The Science Bridge**	SHOJI KOMAI
118	**A Chemical Reaction Vivid to Eyes: Reversible Color Changes**	College of Arts and Sciences, J. F. Oberlin University
119	**Finding the perfect study for you**	Naoki Miyano
120	**AI literacy workshop**	Students Project by shiga university

	Program Title	Organizer
121	**Trial Session of “Energy Circuit”: A Material for introducing Energy Mix**	National Institute of Technology, Kagawa College Director of Technical Education Support Center
122	**Journey to Concepts of Natural Science: Communication, Research, Infrastructure**	～travelling museum～ HAKUBUTSU Club
123	**Science Talks - presented by Miraikan volunteers**	Volunteers of the National Museum of Emerging Science and Innovation (Miraikan)
124	**HATENA-THON Workshop on SDGs and Our Future**	Kyoto Sangyo University Co-creation Lab HATENA-THON
125	**Children's science Olympics Challenge Hiraga Genji with aluminum cans**	Nico Nico Scientific Institute
126	**Designing the future super food 'insect' - on the table beyond the boundaries -**	Japan edible insect science lab.
127	**DNA linked to social life ～make a good judgement by correct knowledge～**	Kazusa DNA Research Institute
128	**Post-Environmental Issues - From pollution to environmental problems and beyond. Is there any hope for our future? -**	Social Dialogue and Co-production Office, National Institute of Environmental Studies
129	**Let's think about Science and Technology of Safety "Water"**	JST CRDS and Global Aqua Innovation Center of COI program
130	**Blind side of Science Technology and Innovation Policy of Japan - Expert discussion on practical solutions for Local SMEs -**	PwC Consulting LLC
131	**Super Smart Society and SDGs**	Subcommittee for Dialogue between Citizens and Science, Committee for Science and Society, Science Council of Japan
133	**★All Japan Collaborative Strategy for the Control of Infectious Diseases**	Japanese Association of Centers for Research and Education of Infectious Diseases
134	**What is "thinking ability"?: the role of philosophy and related studies in the education of thinking**	Science Council of Japan, Philosophy Committee
135	**Genome editing and experimental animals**	Setsuro Tech Inc.
136	**Let's Think about Community Support for Persons with Developmental Disabilities and their Families "Is My Kid Having Difficulties or Just a Little Too Unique? Final"**	Research Institute of Science and Technology for Society (RISTEX), Japan Science and Technology Agency (JST)
137	**What is learning in Society 5.0? Can AI technology change the way of learning**	Department of Innovation Research, Japan Science and Technology Agency
138	**Diarrhea and Food Poisoning ～Our Challenge for Cholera in Southeast Asia～**	Research Institute for Microbial Diseases, Osaka University
139	**Platform to promote sharing and utilization of human data**	National Bioscience Database Center (NBDC) of the Japan Science and Technology Agency (JST)
140	**Synchronization phenomenon and its mathematics**	Institute of Mathematics for industry, Kyushu University
141	**Let's talk honestly about harassment - Don't you want to break gaps between ideal and reality?**	Yoshiko Miwa, Eisuke Enoki, Hiroko Bannai
142	**How do we relate to science, technology and innovation?**	SciREX Center, National Graduate Institute for Policy Studies (GRIPS)
143	**Optics and Photonics Symposium: Beyond the Limits, part II**	Japan Science and Technology Agency, JST
144	**Drone links our future together.**	Consortium of Co-creation Drone Society Research Institute of Shonan Fujisawa Campus Keio University
145	**"Won't you eat genome-edited potato?" -Proposal for Genome-Editing Peer Meeting-**	Life & Bio Plaza21
146	**Science course will make you have greater choice for the future —STEM Girls Ambassadors panel session**	Cabinet Office / Japan Science & Technology Agency (JST),
147	**Scenario Analysis Workshop for Affluent Low Carbon Society**	Center for Low Carbon Society Strategy (LCS), JST
148	**The ideal way of science and technology to study together across generations**	The Institution of Professional Engineers,Japan (IPEJ)
149	**Career - Path to private companies for PhD.**	JREC-IN Portal, Japan Science and Technology Agency
150	**FSP Conference 2018 Fostering next-generation Scientists Program (FSP)**	Department for Promotion of Science Education / Japan Science and Technology Agency
151	**FSP Workshop 2018 Fostering next-generation Scientists Program (FSP)**	Department for Promotion of Science Education / Japan Science and Technology Agency

★Pick Up Programs

Science Agora 2019

will be held in the Odaiba district of Tokyo
on November 2019

https://www.jst.go.jp/sis/scienceagora/

Science Agora 2018

Contact: Science Agora Secretariat, Department for Promotion of Science in Society, Japan Science and Technology Agency (JST)
Science Plaza 8th Floor, 5-3, Yonbancho, Chiyoda-ku, Tokyo 102-8666 TEL: 03-5214-7493 Fax. 03-5214-8088 Email: agora@jst.go.jp