

# SCIENCE AGORA

Building relations between future society and science

**Admission  
Free**



Designed by  
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**November 7<sup>th</sup> [Fri] – 9<sup>th</sup> [Sun], 2014**



**サイエンスアゴラ 2014**



**Science Agora** is an annual event aimed at linking science and society through science communication. In 2014, the theme of Science Agora is "Building relations between future society and science". The word "Agora" is Greek for "gathering place", and so we invite the public, researchers, media, industries, policymakers, and any other stakeholders to "gather in one place to have a conversation about science as it is currently, and what we hope for in the future".

- It is an event consisting of a variety of programs for discussing policies from various angles to improve society by utilizing S&T.
- Since its establishment in 2006, it has been growing year by year, and in 2013 we had more than 200 programs and more than 8500 attendees.

### **Message from JST President :**

The theme for this year's Science Agora is "building together tomorrow's science and society". It is an opportunity for scientists, and the scientific community to interact with the general public, policy makers, the media, and a multitude of other stakeholders in order to build common ground on understanding and discussing issues our society is facing today.

It is also a chance for the Japan Science and Technology Agency to unveil top scientific projects it has produced, and by sharing it with the public and other scientists, it can pave the way to new collaborations and new developments in science and technology in society.



Dr. Michiharu Nakamura  
President, Japan Science and Technology Agency

### **NOTE**

**This program is made for non-Japanese audiences. Even though most of the events are run in Japanese, some of the sessions detailed in this program either have simultaneous translations, or have been selected as they can be enjoyed by a non-Japanese audience.**



## Programs

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### 061 Opening Session

#### **Agora: How can we come together for building relations between future society and science ?**

(Organizer: Center for Science Communication, JST)

*If you thought about who science affects in society today, you would come up with a very long list of stakeholders. Academia, businesses, governments, and the public are all affected by science, but the real question is by how much? Also, how are these groups going to affect the future development of science? In this plenary session we invite leaders from different fields to share their views, and discuss how Science Agora should evolve in today's changing world.*

Date: 10:30-12:30 November 7th (Fri), 2014

Venue: Miraikan Hall (Floor7), Miraikan

### 072 Agora Keynote Session 3

#### **What we can learn from international research collaborations : Global environmental issues and Japan's role in science and technology**

(Organizer : Department of International Affairs, JST)

*We introduce various approaches and achievements of international research in global warming, sea-level rise, acid precipitation, and deforestation. A dialogue session will follow to discuss what we could learn, what we could do, and how Japan should act hereafter. We invite you to enjoy this session facilitated by an experienced science communicator and professional commentator.*

Date : 10:30-12:30 November 8th (Sat), 2014

Venue : Miraikan Hall (Floor 7), Miraikan

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### 005 Initiatives tackling global environmental issues: What we can learn from international research collaborations:

(Organizer: Department of International Affairs, JST)

*We will introduce various approaches and achievements of international research in global warming, sea-level rise, acid precipitation, and deforestation. We invite you to hear from four top scientists who will share details about their experiences in this symposium "What we can learn from international research collaborations" (<AKN-3>: 10:30-12:30 8th, Miraikan Hall / Floor 7). We will also introduce JST's international research collaboration programs such as SATREPS, SICP, SICORP and e-ASIA. Let's discuss what we can do, and what Japan could do to tackle global environmental issues.*

Date: 10:00-17:00 November 7th (Fri)-8th (Sat), 2014

Venue: Exhibition zone (Floor 1), Miraikan

## 063 Agpra Keynote Session 2

### Science in Transition - Bridging Science, Society and Policy -

( Organizer: Center for Science Communication, JST)

*Climate change, economic crisis, natural disasters, terrorism, food safety, disease outbreaks - these are a handful of the complex challenges humanity is facing right now as a result of rapid globalisation which began following the end of the Cold War and the start of the information technology revolution.*

*In order to resolve these issues, we need to adapt the way scientific knowledge is created and applied. This means revolutionizing the way science, society, and policy interact with one another. The 2011 Japan earthquake was a wake up for the Japanese that bridges between science, society, and policy need to evolve.*

*Countries around the world have been working in different ways to resolve this issue, and today we invite leaders from Europe, the USA, Asia, and Africa to share their views on scientific responsibilities in the 21st century.*

Date: 15:30-18:00 November 7th (Fri), 2014

Venue: Miraikan Hall (Floor 7), Miraikan



Sir Peter Gluckman,  
Chief Science Advisor,  
New Zealand



Dr. Alan I. Leshner,  
CEO, The American  
Association for the  
Advancement of  
Science



Dr. Peter Tindemans,  
Secretary General,  
Euroscience



Prof. Romain  
Murenzi,  
Executive Director,  
The World  
Academy of  
Science



Eudy Mabuza,  
Minister-Counsellor:  
Science and  
Technology, South  
African Embassy in  
Tokyo

## 041 South Africa, the living Laboratory – from paleontology to the latest radio astronomy

*During 2014 South Africa celebrates its 20 years of freedom and democracy. This momentous occasion presents an opportunity to showcase the country's successes in various areas. Today, we showcase SA's science and technology development and activities. With this exhibition you will be able to see the *Australopithecus Sediba* (replica) and touch by building the latest radio telescope – MeerKAT – a precursor to the SKA (Square Kilometre Array). Within the exhibition booth, you will also get to feel South African science and technology atmosphere. Plus, there will be mini-workshops of current activities on SA's science and technology.*

Date: 10:00-17:00 November 8th (Sat)-9th (Sun), 2014

Venue: Exhibition zone (Floor 1), Miraikan

### **053 PICO factory Japan: The wings of science for children all over the world - the case in Malawi, Africa-**

*We were involved in science education in Malawi, Africa, as a governmental organization, JICA's volunteers. We will introduce our science educational performance to share the fun of science with Malawian children. It includes simple experiments with local materials, and a windmill our student designed will be displayed. Enjoy these experiments that African children have conducted and find out how they enjoy science.*

Date: 10:00-17:00 November 8th (Sat)-9th (Sun), 2014

Venue: Exhibition zone (Floor 1), Miraikan

### **059 The Science of Eating Insects: Our diet in the year 2030**

*A year has passed since the United Nations released a report urging people to eat insects to fight world hunger. Slowly, the Japanese have begun to accept insects as a form of food. We invite you to try our insect food samples and have a talk about what insects are being eaten in Japan, what insects we'd like to see on our dinner plates, and how important insects are as a food source.*

Date: 10:00-17:00 November 8th (Sat)-9th (Sun), 2014

Venue: Exhibition zone (Floor 1), Miraikan

### **090 The Mind of Science, The Mind of Japan: Science of Bamboo**

*We have delicacy which is a part of the virtue of Japanese culture. It is in our scientific researches as well. Through a traditional tea ceremony, we discover the mind of science in it. Let's enjoy the science of bamboo in tea and our everyday life this year.*

Date: 10:00-17:00 November 9th (Sun), 2014

Venue: Miraikan, Lounge E (Floor 7)

### **105 Come on over! Lots of technologies for the future.**

*At the this venue, meet Paro, the Guinness world record holder for Most Therapeutic Robot, join in a craft workshop, or play on the high-tech Noboreon.*

Date: 10:00-17:00 (Last admission 16:30) November 8th (Sat)-9th (Sun), 2014

Venue: AIST Tokyo Waterfront (Floor 1 etc.)

### **113 How to implement the UNSCEAR report into Japan**

UNSCEAR (United Nations Scientific Committee on the Effects of Atomic Radiation)

*In response to the UNSCEAR report published in April 2014 regarding the doses and effects of radiation from the Fukushima Daiichi Nuclear Power Plant Station accident, the event will first explain details within the report. Following this, participants will discuss the best way the report could be used for people living in Japan.*

Date 10:30-12:00 November 9th (Sun), 2014

Venue Conference Room 1 (Floor 11), AIST Tokyo Waterfront Annex

### **118 Tokyo Metropolitan Industrial Technology Research Institute (TIRI) Lab Tour**

*TIRI helps the small to medium sized enterprises of the manufacturing industry in Tokyo. What technology do they use to achieve this? Take a tour and have a look at the facilities and machines in TIRI that are used for manufacturing.*

Date: 10:00-17:00 November 7th (Fri)-9th (Sun), 2014

Venue: Tokyo Metropolitan Industrial Technology Research Institute

### **154 Future Studio: Technology to Make Dreams Come True**

*Step into the Future Studio and get a glimpse into leading edge technology that will make your dreams come true. Don't just look at it either, listen to it, touch it, experience it!*

Date: 10:00-17:00 November 8th (Sat)-9th (Sun), 2014

Venue: Fuji Television Wangan Studio (Floor 1)

### **185 Let's Go on a Miraculous Voyage with MICRO**

*Why am I here? Why now? What does it mean to "live"?*

*Explore the inside of the human body, inside a cell, together with MICRO in a space-time cube.*

*MICRO will guide you to a time when your life began and started growing.*

*Life is so powerful and beautiful.*

*Since 1968, ICAM have been producing life-science documentaries using microscopic filming techniques. This Science Agora, we will present real images from inside a living body for children at the dome theatre. (Running time 32min)*

Date: 10:00-17:00 November 8th (Sat)-9th (Sun), 2014

Venue Tokyo International Exchange Center (Outside of Floor 1)

## Memo

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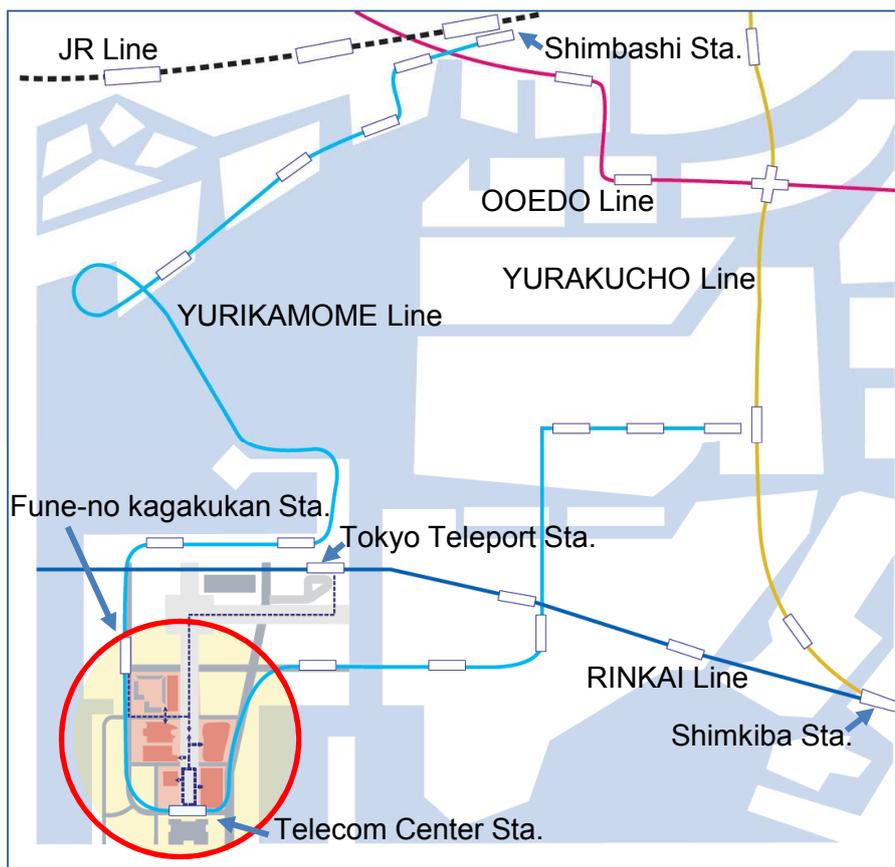
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## Access



## Train

Tokyo Waterfront New Transit YURIKAMOME:

5 minutes' walk from "Fune-no Kagakukan station" / 4 minutes' walk from "Telecom Center station"

Tokyo Waterfront Area Rapid Transit RINKAI LINE:

15 minutes' walk from "Tokyo Teleport station"