

7th  
Environmental Radioactivity Measures &  
Radioactive waste Disposal International Exhibition

**RADiEX 2018**

2nd  
Hazardous Waste Control Technology Exhibition

**HAWTEC 2018**

DATE October.10(Wed.)-12(Fri.), 2018 10:00~17:00

VENUE Science Museum

Exhibition Guide

Organizer : The Environmental News

## Objective of **RADIEX 2018**

"Towards Promotion of Steady Environmental Regeneration and Decommissioning of Reactors"

It will soon be eight years since the accident occurred at TEPCO's Fukushima Daiichi Nuclear Power Plant. State-run decontamination work on the ground surface in Fukushima was completed by the end of FY 2016, and the restoration of the temporary storage areas is required for the time being. Decontamination integrated with infrastructure development in the "Specific Reconstruction and Reclamation Base Area" within Fukushima's difficult-to-return zone has been implemented by the government and its affiliated organizations including the Ministry of Environment, local municipalities, and operators since December 2017. Since the land acquisition for the interim storage facility has progressed, construction of receiving/sorting facilities and soil storage facilities that began in November 2016 is steadily under way. In addition to the safe and early operation of receiving/sorting facilities and soil storage facilities, the construction of facilities necessary for transportation of the soil and demonstration projects for volume reduction and reuse of soil, etc., which will reduce the final disposal, are required, and those movements from now on are to be watched.

While it might take 40 years to complete the decommissioning of the Fukushima Daiichi Nuclear Power Plant, the influx of contaminated water into the reactor building is prevented by the groundwater bypass sub drains and the frozen soil barrier walls. As regards the decommissioning of the reactors, removals of debris and retrievals of nuclear fuels in the spent fuel pools are to be conducted, followed by removals of nuclear fuel debris. Utilization of robot technology that Japan has as its strength is indispensable for this decommissioning operation. In order to accelerate the work, international collaborative research centers for decommissioning have also been set up, in which domestic and foreign experts analyze the behavior of radioactive materials and investigate nuclear fuel debris.

While full-scale transportation of removed soils and full-scale construction & operation of interim storage facilities have progressed as mentioned above owing to the measures against environmental radioactivity and waste disposal, advanced nuclear technology must be maintained and succeeded so that TEPCO Fukushima Daiichi Nuclear Power Station and other aging nuclear power plants can smoothly and safely be decommissioned. Therefore, development of relevant technologies and cultivation of human resources are required.

The Environmental News will hold RADIEX 2018 (Environmental Radioactivity Measures & Radioactive Waste Disposal International Exhibition) under the theme, "Towards Promotion of Steady Environmental Regeneration and Decommissioning of Reactors", in order to respond to these movements.

We do wish you to understand the objectives and participate in this exhibition.

## Objective of **HAWTEC 2018**

In recent years, in order to prevent health impacts and environmental pollution, proper management and processing of "hazardous waste", i.e. waste containing PCB, mercury, hazardous heavy metals, asbestos and medical waste, have been enhanced.

In August 2016, the revised PCB Special Measures Law came into force, and operators who store highly concentrated PCB waste are obliged to consign its disposal to JAPAN ENVIRONMENTAL STORAGE & SAFETY CORPORATION (JESCO) one year before the commitment date. Since processing must be completed by the end of FY 2018 in Kyushu District, one of the five regions across the country, measures such as digging investigation need to be taken immediately. Regulations on mercury waste have also been tightened, and standards for collection, transportation, storage and final disposal have been added according to the Minamata Convention. In order to prevent health damage caused by asbestos, the implementation status of countermeasures to prevent exposure to scattered asbestos due to building demolitions and disasters was investigated by the Ministry of Internal Affairs and Communications in May 2016, and recommendations on necessary improvement measures were issued and countermeasures were required.

While regulations on hazardous waste are being tightened in this way, more appropriate and safe processing and new business methods are being developed. So the relevant markets are expanding and are expected to develop not only in Japan but also in emerging or developing countries.

So, the Environmental News will hold "HAWTEC 2018 (Hazardous Waste Disposal Technology Exhibition)" by assembling measures and researches related to hazardous waste countermeasures, corporate efforts, technologies, products, and services in a single facility this year, too.

We do wish you to understand the objectives and participate in this exhibition.

## Exhibition Outline

**Name:**

◆**RADIEX 2018**

“Environmental Radioactivity Measures & Radioactive waste Disposal International Exhibition”

◆**HAWTEC2018** “Hazardous Waste Control Technology Exhibition”

**Venue:** Science Museum (2-1, Kitanomaru-koen, Chiyoda-ku, Tokyo 102-0091)

**Date:** Oct. 10 (Wed.) – 12 (Fri.) 2018 <3 Days> (10:00~17:00)

**Scale of Exhibition:** About 100 booths (expected) <Last year: 68 companies, 80 booths>

**Organizer:** The Environmental News (Kankyoshimbunsha Co., Ltd.)

**Secretariat:** The Environmental News (Kankyoshimbunsha Co., Ltd.)

**Expected Audience:** 10,000 <Last year: 5,671>

**Admission Fee:** Free

### RADIEX 2018

**Sponsored by** (Application expected):

Ministry of the Environment/ Reconstruction Agency/ Ministry of Internal Affairs and Communications/  
Ministry of Economy, Trade and Industry/ Ministry of Land, Infrastructure, Transport and Tourism/  
Fukushima Prefecture/ Independent Administrative Institution of National Institute for Environmental Studies/  
Independent Administrative Institution of Japan Atomic Energy Agency/ Japan Science and Technology  
Agency/ National Institute of Radiological Sciences

**Special Supports** (Application expected):

Japan Environmental Sanitation Center/ Geo-Environmental Protection Center/ Waste Management Fund /  
Japan Industrial Waste Information Center/ National Federation of Industrial Waste Management  
Associations/ Japan Environmental Storage & Safety Corporation (JESCO)

**Endorsed by** (Application expected):

Japan Environmental Sanitation & Incineration Facilities Maintenance Association/ The Society for  
Remediation of Radioactive Contamination in Environment/ Radwaste and Decommissioning Center/  
International Research Institute for Nuclear Decommissioning/ Technical Advisory Council on Remediation  
and Waste Management/ Japan Waste Management Association/ Japan Industrial Safety and Health  
Association/ Japan Environmental Facilities Manufacturers Association/  
Japan Clean Environmental Promotion Organization/ Japan Atomic Industrial Forum, Inc./ The Japan Society  
of Industrial Machinery Manufacturers/ Japan Waste Management Consultant Association/ Japan Chemical  
Analysis Center/ Japan Society Engineering Managers For Waste Disposal Facilities/ Japan Society of  
Material Cycles and Waste Management/ Japan Waste Management & 3R Research Foundation

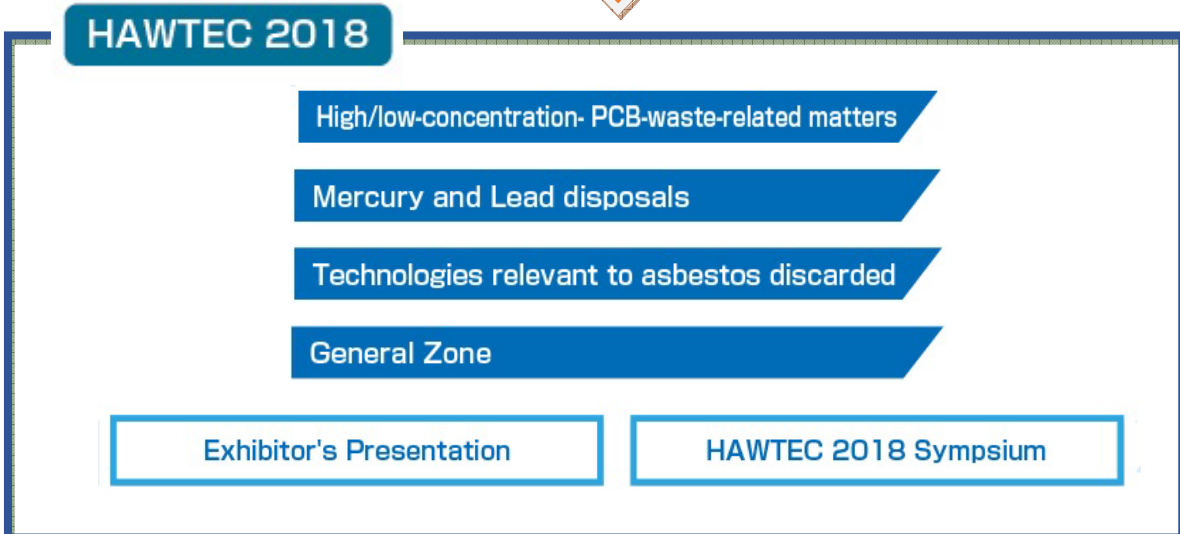
### HAWTEC 2018

**Sponsored by** (Application expected):

Ministry of the Environment/ Ministry of Economy, Trade and Industry

**Special Supports** (Application expected): Japan Environmental Sanitation Center/ Geo-Environmental  
Protection Center/ Waste Management Fund/ Japan Industrial Waste Information Center/ National  
Federation of Industrial Waste Management Associations/ Japan Environmental Facilities Manufactures  
Association/ Japan Environmental Storage & Safety Corporation (JESCO)

## Structure of Exhibition



## Targeted Exhibits of **RADIEX 2018**

### **1) Radioactivity Measures Zone**

Radioactive substance measurement device / Soil analyzer / Dosimeter & dose monitor / Area monitor / Radiation monitoring system / Dose display system / Survey meter / Personal exposure dosimeter / Fluorescent glass dosimeter / OSL dosimeter / Underwater radiation measurement device / Radiation measurement & analysis service ,etc.

Decontamination agent such as Cesium absorbent / Radioactive substance filter / Contaminated soil decontamination technology / Volume reduction of radioactive-contaminated soil / Cesium separation & removal technology / High-pressure washing machine & device / Road decontamination system / Dustless decontamination system / Blasting decontamination device / Phytoremediation technology / Electrolytic polishing decontamination technology / Ultrasonic decontamination technology / Various shielding products and technologies / Protective clothing & mask for radioactivity / Cesium absorbent textile / Decontamination technology for farmland, green space and forest / Decontamination technology for lumber / Purification technology for seawater, river and lakes, etc.

Contaminated water treatment technology & device / Technology & device related to decommissioning / Robotics, etc.

### **2) Radioactive-contaminated Waste Disposal Zone**

Recycling technology for low-level contaminated waste / Temporary storage container for contaminated waste / Covering material / Flexible container bag / Capping & isolation technology by bentonite clay layer / Consolidation process technology / Radiation insulation & waterproof sheet / Contaminated water treatment technology / Incineration technology / Solidifying agent/ Solidification & volume reduction technology for incineration ash / Transportation management system & technology / Intermediate storage facility / Final disposal plant / Construction safety management technology / ICT utilization technology at the interim storage facility, etc.

### **3) Nuclear Decommissioning Technology Zone**

Decontamination and dismantling technologies / Welding and dissecting technologies / Radioactive waste disposal technologies / Radioactive waste storage containers / High concentration contaminated water disposal devices & technologies / Remote-controlled vehicles & arms for dismantling / Remote-controlled robots / Remote-controlled measuring instruments / Remote control status monitoring systems, etc.

### **4) General Zone**

Zone for exhibitors having exhibition contents covering more than one from the three zones ("Radioactivity Measures Zone", "Radioactive-contaminated Waste Disposal Zone" and "Nuclear Decommissioning Technology Zone").

Reconstruction works such as restoration of infrastructure

### **5) Public Zone**

For supporting, special cooperation, or cooperative organizations.  
Books & Publishing businesses.

### **6) Reconstruction and Environmental Restoration Zone**

“Planning of towns with carbon and resource circulation”

## Targeted Exhibits of **HAWTEC 2018**

### **1) High/low-concentration-PCB-waste-related matters**

Consultations / Analyses / Collection and transportation / Disposals / Decontamination technology for PCB contaminants / Detoxification technologies for low concentration PCB waste / Products for PCB management

### **2) Mercury and Lead disposals**

Analyses / Collection and transportation / Covering material / Processing and disposals / Mercury recycling technology / Sulphidizing solidification technology / Products for lead management

### **3) Technologies relevant to asbestos discarded**

Consultations / Survey and analyses / Construction technology / Collection and transportation / Processing and disposals / Agents for processing asbestos and for preventing asbestos from scattering / Technologies for detoxifying asbestos discarded

### **4) General Zone**

Dioxin-related matters / Infectious-waste-related matters / Specially-controlled-waste-related matters such as wasted oil / Wasted acid and wasted alkaline / POPs(persistent organic pollutants)-related matters / Analytical instruments and services, etc.

# Registration Guideline

## Exhibition Fee / Dimensions of Booth

### Raw Space Booth

**¥324,000-** JPY (per one booth) \*tax included

\*Booth is only a space with panels to separate neighboring booth.

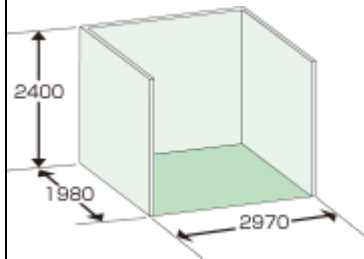
#### Raw Space Booth specifications

Width on centers: 2,970mm

Depth on centers: 1,980mm

Height: 2,400mm

\* Corner booth will not have side panels.



#### Included in exhibition fee of "Space and Packaged Booth"

- Booth usage fee.
- Side and back panels (not provided for independent booth)
- Exhibitor ID, Workers ID (Each 5 cards. Extras will subject to additional fee.)
- Company name on the guidebook.
- Operational fees for planning, running, and advertising.

#### Not included in exhibition fee of "Raw Space Booth"

- Decorations inside the booth (including the parapet) and installation fees.
- Electricity wiring work and utility fees.
- Water supply and drainage work, water utility fees.
- Venue facility usage fee and compensation for lost or damaged items.
- Insurance expenses for each company's exhibition.

### Space and Packaged Booth ("Raw Space Booth" + "Packaged Booth")

**1 booth ¥388,800-** JPY \*tax included

**2 booths ¥750,600-** JPY \*tax included

**3 booths ¥1,112,400-** JPY \*tax included

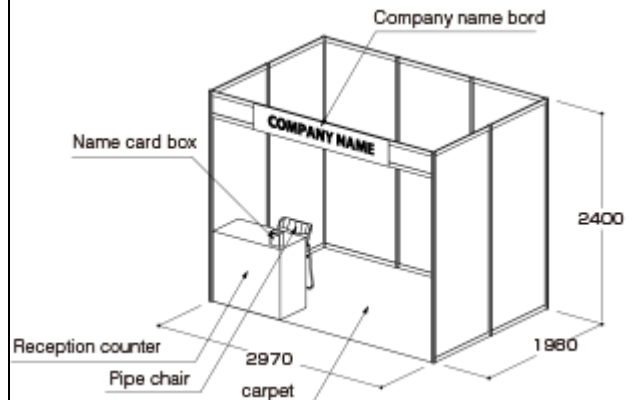
\*The foregoing amount have been added decoration fee of "Package Booth" to exhibition fee of "Raw Space Booth".

#### Space and Packaged Booth specifications

Width on centers: 2,970mm

Depth on centers: 1,980mm

Height: 2,400mm



#### Included in exhibition fee of "Space and Packaged Booth"

- Parapet (3m per booth)
- Company name board(Two company name boards, in case of 3 booths)
- Carpet (6m<sup>2</sup> per booth)
- Reception counter(one unit / W900 × D450 × H800)
- Pipe chair (one piece)
- Fluorescent lamp (one unit/booth)
- Electrical power outlets(one location per booth)
- Primary electrical mains work/electrical utility fee (1Kw/100V)

\* The side panels on the aisle sides of corner booths will be parapets and company name board.



## Deadline for Application : **June 30, 2018(Sat.)**

**<Application Method>** Please Ask to the following contact.

Contact:

Secretariat of RADIEX/HAWTEC  
General Department,  
Kankyoshimbunsha Co., Ltd.  
4F, No.1 Tomizawa Bldg. 3-1-3 Yotsuya Shinjuku-ku,  
Tokyo, 160-0004 Japan  
E-mail: radiex@kankyo-news.co.jp<RADIEX2018>  
hawtec@kankyo-news.co.jp<HAWTEC2018>

Remittance:

Kankyoshimbunsha Co., LTD.  
MUFG Bank, Ltd.  
(SWIFT Code:BOTKJPJT)  
Yotsuya 3 chome Branch (Branch No. 340)  
Account No. 3863890  
\*Bank transfer fees will be at the exhibitor's expand

### **<Hold and Cancellation>**

- The organizer may hold or reject an application if it is not in accordance with the purpose of the event.
- The organizer may cancel an application if the fees are not deposited.
- Exhibitors are not permitted to withdraw or cancel under any circumstances. However, if the exhibitor must cancel or withdraw, they will be subjected to the cancellation policy stipulated below.

<b>Cancellation Date</b>	<b>Cancellation</b>
Cancellation until June 30, 2018	50% of the total exhibition fee
From July 1st, 2018 until Last Day of the Exhibiton	100% of total exhibition fee

<Access Information>

By Train:

- 7 minutes walk from Tozai Line, Hanzomon Line, and Shinjuku Line the Kudanshita Station(Exit 2 or 4) .
- 7 minutes walk from Tozai Line the Takebashi Station(Exit 1b).



<Contact>

**Secretariat of RADEIX / HAWTEC**

General Department,

Kankyoshimbunsha Co., Ltd.

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