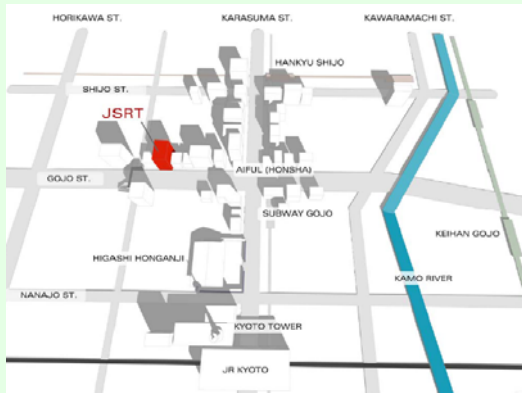


## Web site & Office



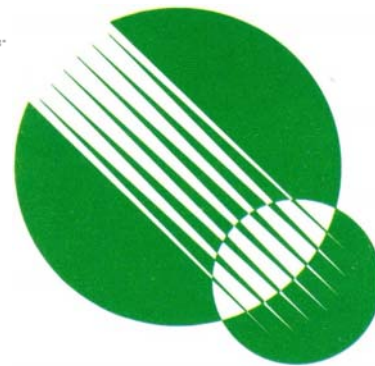
<http://www.jsrt.or.jp>



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*The Unique Society  
in the World  
that covers Everything for  
Radiological Science  
and Technology*



Japanese Society of  
Radiological  
Technology  
(JSRT)

## Welcome to the JSRT

The Japanese Society of Radiological Technology (JSRT) was established in 1942 and started anew on March 1, 2011 as a Public Interest Incorporated Association. Our aim is to evolve our organization such that it can contribute to public welfare in terms of the standardization of optimal use of radiation in medical fields and development of new technologies in radiological sciences.

In March 11, 2011, the unprecedented accident at the Fukushima nuclear power plant has given us, an organization that bears the word "radiological" in its name, a mission to accomplish as a group of professionals. Although nuclear energy and medical fields are different, we cannot simply consider it as an issue not related to us. Our organization exists with the support of society, and as a group of professionals, we are obligated to support society through our professional activities. Currently, related committees and professional subcommittees have joined forces and are working toward solving various issues, but we believe long-term effort combined with medical support is important.

As an organization, academic exchange and development of cooperation with other organizations worldwide are very important. The first important step is to be aware of internationalization of radiological technology and believe in "Japan for the globe!", i.e., our academic work should be accessible for the medical field worldwide. In addition, I believe that interdisciplinary and transdisciplinary collaborations will become increasingly important.

We would like to engage in activities that will not only help maintain stable continuity in our operations but also attach importance to innovative ideas.

Shigeru Sanada, Ph.D., RT  
Representative Director



## Outline of JSRT

The **JSRT** have a membership of **16,740** persons (February 28, 2011) which consists of radiological technologists, medical doctors, engineers, and researchers in the field of radiological science and technology, including domestic and overseas.

The **JSRT** has **eight domestic regional branches** in Hokkaido, Tohoku, Kanto, Tokyo, Chubu, Kinki, Chūgoku-Shikoku, and Kyusyu, and one international branch for all foreign members.

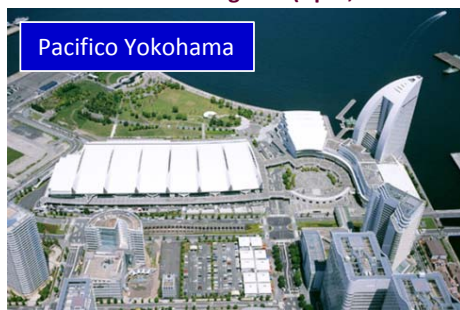
The **JSRT** holds **two annual meetings**, the spring annual scientific congress sponsored by JRC (Japan Radiology Congress of Medical Congress Promotion) and the autumn scientific congress. In addition to the annual meetings, workshops and lectures are held for educational purposes and skill-up of novice members.

There are **seven scientific sections** in the **JSRT**. They are Imaging, Radiation Examination, Radiotherapy, Nuclear Medicine, Measurement, Radiation Protection, and Medical Information.

The **JSRT** has published **two official journals**. They are a Japanese Journal of Radiological Technology (12 issues/year), and English journal of Radiological Physics and Technology (RTP, 2 issues/year), which is also the official journal of the Japan Society of Medical Physics (JSMP).

## Annual Meetings

- **The Annual Scientific Congress (April, Yokohama, Japan)**



Pacifico Yokohama

- **The Autumn Scientific Congress (October, Japan)**
- **International Conference on Radiological Science and Technology (ICRST)**



## Academic Activities

### Scientific Sections

Seven scientific sections have been organized by experts in the specific field of radiological science and technology in order to expand their knowledge and to research new applications. Recent research topics in each section are shown below;

**Imaging Section:** Image processing, Image quality control, Computer-aided diagnosis (CAD), Image display, Observer study

**Radiation Examination Section:** CR, DR, FPD, I.I., DSA, IVR, CT, CT-DI, MR, MR spectroscopy, functional MRI, Tomosynthesis, US, Bone mineral, contrast agent, Positioning

**Radiotherapy Section:** IMRT, IGRT, stereotactic irradiation, dose evaluation, brachytherapy, 3D radiation planning

**Nuclear Medicine Section:** SPECT, PET, PET/CT, PET/MR

**Measurement Section:** QA&QC, Monte Carlo simulation, effective dose, Dosimeter, Organ dose, Half value layer (HVL)

**Radiation Protection Section:** Patient dose, Dose optimization, Risk analysis, Safety management, Tissue reaction, Public exposure, Medical exposure, Human error

**Medical Information Section:** DICOM, HL7, PACS, RIS, HIS, IHE, Data mining, Education, Information security, Ontology

The **JSRT** also sponsored various lectures and short courses for members such as Breast imaging, Chest-CT reading, CAD, ROC, Image quality control for digital image, CT, MRI, and US, PACS, Radiotherapy physics, Radiation safety, Trauma imaging, MR Imaging, etc.

## International Exchange Programs

Since 1985, the **JSRT** selects some members annually, and dispatches to the Kurt Rossmann Radiologic Image Research Laboratories in The University of Chicago, USA, and other research institutes for 3-4 months.

### Short-term study abroad program 1985- (2-3 persons/year)

The University of Chicago [28], Stanford University [3], The University of Arizona [2], Washington University [2], The State University of New York, MIT, Université de Paris, University of Minnesota, University of Nebraska, University of Freiburg, University of Texas (Total 42 persons)

### Dispatch to international meetings 1995- (10 persons/year)

RSNA [80], ECR [29], ISMRM [10], Others (AAPM, ASTRO, ESTRO, SNM, SNMTS, etc..) [21] (Total 140 persons)

### Short-term study community 2006- (20 persons/year)

Stanford University (Total 100 persons)

The University Chicago Hospital



The Lucas Center Stanford University

## Publications

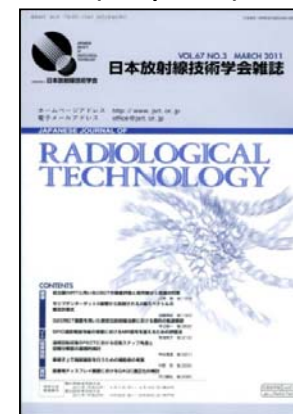
### Radiological Physics and Technology

a biannual journal devoted to continuing medical education in radiological sciences, is the official journal of the Japanese Society of Radiological Technology and the Japan Society of Medical Physics, Kunio Doi, Editor-in-Chief.

<Objectives>

1. To provides an ideal forum for sharing new knowledge related to research and development in radiological science and technology.
2. To contributes to progress and improvement in medical practice and patient health care.
3. To offer readers the achievement of the multidisciplinary research involved in basic research and clinical applications in radiological sciences.

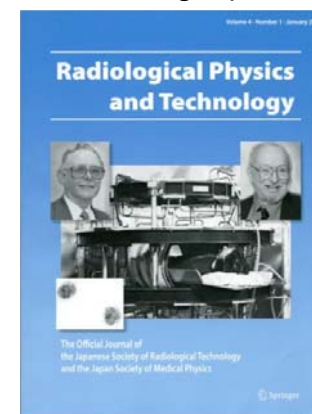
### Japanese Journal of Radiological Technology (In Japanese)



1944 Sep. -  
12 issues/year

<http://www.jstage.jst.go.jp/browse/jjrt>

### Radiological Physics and Technology (In English)



2008 Jan. -  
(2 issues / year)

## Application for New Membership

- Membership:** All memberships are renewed annually and follow the calendar year schedule
- Annual Fee:** Full member **13,000** Japanese Yen/year  
Student **3,000** Japanese Yen/year
- Benefits:** Full member will receive Japanese Journal of JSRT monthly and RTP 2 times per year  
All members are able to submit papers to annual meetings and JSRT journals with no submission fees. All members are also able to register annual meetings at a reduced fee.

In order for applying a membership, please visit our website.