【Joint Sessions for Japan Radiology Congress】

Opening Ceremony: April 17 (Fri) 13:00～14:30 (Main Hall)
Performance: Ensemble Dunamiz

Keynote lecture
President Kuni Ohtomo (The University of Tokyo)
The 74th Annual Meeting of the Japan Radiological Society (JRS)
Conference President Hiroshi Hirano (Shinshu University Hospital)
The 71st Annual Scientific Congress of the Japanese Society of Radiological Technology (JSRT)
Congress Chair Shinichi Wada (Niigata University)
The 109th Scientific Meeting of the Japan Society of Medical Physics (JSMP)
Chairman Kenichi Komatsu
Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Joint Special Lecture
April 17 (Fri) 14:00～14:30 (Main Hall)
Severe Earthquake Disaster in Tokyo Metropolitan Area and the Gigantic Earthquake Imaged by a Seismic Tomography Method
Moderator: HIMEDIC Imaging Center at Lake Yamanaka/
Emeritus professor of Keio Univ. Sachio Kuribayashi
Earthquake Research Institute, the Univ. of Tokyo Naoshi Hirata

Joint Symposium 1
April 17 (Fri) 15:10～17:10 (Main Hall)
Patient Dose in Radiology: Manage the Invisible
Moderator: Aichi Medical Univ. Tsuneo Ishiguchi
NIRS Keiichi Akahane
1. We Can And We Must Reduce Radiation Exposure Perspective of
The American College of Radiology American College of Radiology, USA Paul H. Ellenbogen
2. Radiation Protection (EUROSAFE IMAGING) University of Crete, Greece John Damilakis
3. Activities for the Management of Medical Radiation Exposure in Japan
Asahi General Hosp. Takayuki Igarashi
4. Should the Radiological Community Continue the Present Radiation Dose-reduction Campaign and Efforts?
Fox Chase Cancer Center, USA Mohan Doss
Joint Symposium 2
April 18 (Sat)  9:50~11:50 (National Convention Hall)
The Importance of Team Care in Radiation Therapy

Moderator: Keio Univ. Naoyuki Shigematsu
Kinki Univ. Hosp. Masahiko Okumura

1. From the Position of Radiation Oncologist
Gunma Univ. Takashi Nakano

2. Radiation Therapy and Medical Physicists in Hokkaido University
Hokkaido Univ. Hosp. Ryusuke Suzuki

3. An Effectiveness and the Present Conditions That the Teamwork Brings at Miyakojima iGRT Clinic
Miyakojima iGRT Clinic Daisaku Tatsumi

4. Connecting Research and Clinical Applications
NIRS Shinichiro Mori

5. The Role of Nurse in Radiation Oncology
National Cancer Center Hosp. Kumi Shimotani

Joint Symposium 3
April 19 (Sun)  9:30~11:50 (Main Hall)
How Should We Face to the Automation Technologies in Radiology?

Moderator: Kyoto Univ. Masahiro Hiraoka
National Cancer Center Hosp. East Teiji Nishio

1. Modeling of Anatomical Structures for Computational Understanding of Medical Images
Hiroshima City Univ. Yoshitaka Masutani

2. Clinical Development of Computer-aided Diagnosis Systems
Yamaguchi Univ. Shoji Kido

3. Research and Development of Computer-Assisted Radiation Therapy Approaches and
Their Clinical Applications
Kyushu Univ. Hidetaka Arimura

4. Use of Image Registration for Radiotherapy
Tohoku Univ. Noriyuki Kadoya

Reception for All Participants
April 17 (Fri)  18:15~19:30 (Yokohama Bay Hotel Tokyu B2F Queen’s Grand Ballroom)

Closing and Awards Ceremony
April 19 (Sun)  15:00~16:15 (Main Hall)
Performance: JRC Festival Orchestra
Program: Overture for “Die Fledermaus” Radetzky March
【JSMP Program】

(A) Plenary Lectures
(1) April 17 (Fri)  11:00–11:50 (418, 419)  
Moderator: Kyushu Univ.  Hidetaka Arimura  
Importance of Adaptive Response in Cancer Prevention and Therapy  
Invited Speaker: Fox Chase Cancer Center, USA  Dr. Mohan Doss

(2) April 18 (Sat)  11:00–11:50 (418, 419)  
Moderator: Tokyo Metropolitan Univ.  Hidetoshi Saitoh  
Addendum to the AAPM’s TG-51 Protocol for Clinical Reference Dosimetry of High-Energy Photon Beams  
Invited Speaker: National Research Council, Canada  Dr. Malcolm McEwen

(B) Morning Educational Lectures
(1) April 17 (Fri)  8:15–8:55 (418)  
Moderator: Juntendo Univ.  Satoru Sugimoto  
DICOM Basics and Application  
Invited Speaker: JIRA  Makoto Suzuki

(2) April 18 (Sat)  8:15–8:55 (418)  
Moderator: NIRS  Shunsuke Yonai  
Basis of Estimations of Radiation Exposures  
Invited Speaker: NIRS  Keiichi Akahane

(3) April 19 (Sun)  8:15–8:55 (418)  
Moderator: NIRS  Hideyuki Mizuno  
Introduction to Electromagnetics - Vector Calculus and Maxwell’s Equations -  
Invited Speaker: Tokyo Institute of Technology  Toshiyuki Kohno

(C) Lunch Time Lectures (Educational Lecture)
(1) April 17 (Fri)  12:00–12:50 (418, 419)  
Moderator: Osaka Univ.  Masao Matsumoto  
High energy resolution spectroscopy with superconducting transition edge sensors  
Invited Speaker: The Univ. of Tokyo  Masashi Ohno

(2) April 18 (Sat)  12:00–12:50 (418, 419)  
Moderator: Niigata Univ.  Satoru Utsunomiya  
The Initiation and Assessment of TG-142  
Invited Speaker: Washington Univ., USA  Dr. Eric E. Klein

(3) April 19 (Sun)  12:00–12:50 (418, 419)  
Moderator: Niigata Univ.  Shinichi Wada  
Ionizing radiation-induced DNA damage and its cellular responses  
Invited Speaker: NIRS  Takeshi Yasuda
(D) The 109th JSMP Symposium

(1) April 18 (Sat) 14:20～17:05 (418, 419)
How to establish clinical training program of medical physicists in Japan?

Moderator: NIRS Kumiko Karasawa
Niigata Univ. Satoru Utsunomiya

1. Objectives of a Medical Physicist Clinical Training Program (Residency Program)
Washington Univ., USA Dr. Eric E. Klein

2. Clinical Training of Medical Physicists Specializing in Radiation Oncology
IOMP and Hong Kong Sanatorium & Hosp. Dr. Kin Yin Cheung

3. Medical physics residency program at University of Tsukuba
Univ. of Tsukuba Takeji Sakae

4. Medical physics clinical training at Osaka University
Osaka Univ. Iori Sumida

5. JBMP’s policies on Medical Physics Clinical Training
Hokkaido Univ. Hiroki Shirato

6. General Discussion

(2) April 19 (Sun) 13:00～14:40 (419)
How could we contribute in reducing the lung cancer mortality?
–Facing to CMS decision for lung cancer with low dose CT screening –

Moderator: National Cancer Center Hosp. East Hironobu Ohmatsu
Niigata Univ. Shinichi Wada

1. Current situation and perspective of CT lung cancer screening: trials in Hiroshima prefecture
Hiroshima Univ. Kazuo Awai

2. A decrease in lung cancer mortality following the implementation of CT screening for general population.
Hitachi General Hosp., Hitachi, Ltd Takeshi Nawa

3. Current Status and Future Perspectives in Lung Cancer CT Screening CAD system
Gifu Univ. Hiroshi Fujita

4. Reduction of Lung Cancer Mortality by Disseminating CT Screening: Action as a Medical Physicist
Niigata Univ. Shinichi Wada

5. Specified Remarks and Discussions

[JSRT-JSMP Joint Session]

(E) How to get Grants-in-Aid, -Research field “Medical Physics and Radiological Technology”
April 18 (Sat) 13:00～14:00 (F201)

Moderator: Osaka Univ. Hosp. Tsukasa Doi
Osaka Univ. Masahiko Koizumi

(1) Desirable application from a reviewer’s standpoint
Tokyo Metropolitan Univ. Hidetoshi Saitoh

(2) Important things in determining a research theme
Hokkaido Univ. Masayori Ishikawa
(3) The survey results for the acquisition of Grants-in-Aid
Osaka Univ. Hosp.  Tsukasa Doi

(4) The present situation and future in university hospital
Kumamoto Univ. Hosp.  Masahiro Hashida

(5) Way to apply the JSPS KAKENHI at a private clinic
Miyakojima iGRT Clinic  Daisaku Tatsumi

[JSMP-JSRT Joint Session]
(F) RPT Doi Awards Ceremony and Winners’ Lectures
April 19 (Sun)  12:00–13:00 (Annex Hall; F201)
General Moderator: RPT Editor-in-Chief  Kunio Doi
Moderator: Kyushu Univ.  Junji Morishita

1) Diagnostic Imaging
Moderator: RPT Deputy Editor  Sigehiko Katsuragawa

RPT Vol.7 No.2
Development and evaluation of statistical shape modeling for principal inner organs on torso CT images
Gifu Univ.  Xiangrong Zhou

2) Nuclear Medicine and MR
Moderator: RPT Deputy Editor  Tomoyuki Hasegawa

RPT Vol.7 No.2
A method for assessing metabolic information on liver and bone marrow by use of double gradient-echo with spectral fat suppression
Nagoya City Univ. Hosp.  Harumasa Kasai

3) Radiotherapy
Moderator: RPT Deputy Editor  Masahiro Endo

RPT Vol.7 No.1
A formulation of cell surviving fraction after radiation exposure
Hokkaido Univ.  Hiroyuki Date

[JCMP/JASTRO Joint meeting]
(G) Brief meeting of the graduate course and employment for medical physicist
April 18 (Sat)  13:00–14:10 (418)

JSMP Board of Directors
April 16 (Thu)  12:00–17:00 (421)

JSMP General Meeting of Members
April 18 (Sat)  17:10–18:10 (419)

Japanese College of Medical Physics
April 18 (Sat)  18:15–19:15 (419)

Various Committees
April 16 (Thu) –April 19 (Sun)