

【Joint Sessions for Japan Radiology Congress】

Opening Ceremony

- Opening Ceremony: April 14 (Fri.) 13:00–14:30 (Main Hall)

Performance: Ensemble Dunamiz

Keynote lecture

President:	Masumi Kadoya (Shinshu University)
	The 76th Annual Meeting of the Japan Radiological Society (JRS)
Conference President:	Tosiaki Miyati (Kanazawa University)
	The 73rd Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
Congress Chair:	Koji Noda (QST/NIRS)
	The 113th 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

- Joint Special Lecture1: April 14 (Fri.) 14:00–14:30 (Main Hall)

	Moderator: Shinshu Univ.	Masumi Kadoya
Hidetoshi Nakata's Special Talk	A former Japanese professional footballer	Hidetoshi Nakata

- Joint Special Lecture2: April 14 (Fri.) 17:20–17:50 (Main Hall)

	Moderator: QST/NIRS	Koji Noda
Prospect of Medicine with Quantum Science and Technology	QST	Toshio Hirano

Joint Symposium

- Joint Symposium 1: April 14 (Fri.) 15:10–17:10 (Main Hall)

「What should we do for reaching the summit and the horizon of Radiology?」

	Moderator: International Univ. of Health and Welfare	Kuni Ohtomo
	Marunouchi Hosp.	Hiroshi Hirano
1. To the summit of Radiology, to the horizon of Radiology: from the point of view of Diagnostic Radiology	Juntendo Univ.	Shigeki Aoki
2. Interventional radiology, desirable now and future	Okayama Univ.	Susumu Kanazawa
3. The point of View from Radiation Oncologists	Keio Univ.	Naoyuki Shigematsu
4. Considering Collaborative Education: Medical Radiation Exposure	QST/NIRS	Yasuo Okuda
5. What Medical Physics Promotes in Radiology	Hokkaido Univ.	Toru Yamamoto

• Joint Symposium 2: April 15 (Sat.) 9:40–11:50 (Main Hall)

〔International standards and protocols for radiology〕

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| | Moderator: Kindai Univ. | Takahiro Yamada |
| | QST/NIRS | Shigekazu Fukuda |
| 1. International Electrotechnical Commission (IEC) standards for light ion beam medical electrical (ME) equipment | Shanghai Proton and Heavy Ion Center | Michael Moyers |
| 2. IEC/TR 62926 for radiotherapy systems for moving targets | Hokkaido Univ. | Yuichi Hirata |
| 3. International Standards for Nuclear Medicine and Molecular Imaging | Tohoku Univ. | Hiroshi Watabe |
| 4. International Standards and Protocols of Dosimetry for Radiology with Activities of ISO/TC85/SC2/WG22 | Korea Univ. | Changbum Kim |
| 5. Current status and update of the IAEA code of practice for external beam radiotherapy dosimetry | IAEA | Karen Christaki |

• Joint Symposium 3: April 15 (Sat.) 13:00–15:00 (Main Hall)

〔Current Status and Issues of Radiological Protection in Pediatric Radiology〕

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| | Moderator: Oita Univ. of Nursing and Health Sciences | Michiaki Kai |
| | QST/NIRS | Yoshiya Shimada |
| 1. Progress in Radiation Protection of Children in Large Part of the World and Issues for Future | Massachusetts General Hosp. | Madan M. Rehani |
| 2. Pediatric CT in Japan 2017: State of the art | National Center for Child Health and Development | Osamu Miyazaki |
| 3. Skills to reduce radiation dose in pediatric orthopedic imaging | Shiga Medical Center for Children | Atsushi Fukuda |
| 4. Revealed of the facts by Japan DRLs 2015 for Pediatric CT | Hamamatsu Univ. Hosp. | Yasutaka Takei |

Reception for All Participants (Congress Party)

- Reception for all participants (Congress Party): April 14 (Fri.) 18:15–19:30

(Yokohama Bay Hotel Tokyo B2F Queen's Grand Ballroom)

Closing and Awards Ceremony

- Closing and Awards ceremony: April 16 (Sun.) 15:00–16:15 (Main Hall)

〔Performance: JRC Festival Orchestra〕

【JSMP Program】

(A) JSRT-JSMP Joint Session Plenary Lecture

(1) April 15 (Sat.) 15:10–16:10 (503)

Radiomics: The new frontier in quantitative image modeling

Moderator: Kyushu Univ. Hidetaka Arimura
Univ. of Michigan Issam El Naqa

(2) April 16 (Sun.) 10:50–11:50 (503)

Current Trends of Patient Radiation Dose Monitoring and Tracking Systems

Moderator: Hokkaido Univ. of Science Takumi Tanikawa
Kagawa University Hosp. Naoki Nishimoto

1. Part I (Technical Aspect)

Virginia Commonwealth Univ. Medical Center Pei-jan Paul Lin

2. Part II (Operational Infrastructure)

Virginia Commonwealth Univ. Medical Center Shelia Regan

(B) Morning Educational Lecture

(1) April 14 (Fri.) 8:15–8:55 (418 + 419)

Moderator: HIPRAC Shuichi Ozawa
Fundamentals of Diodes as Radiation Detectors – n Type versus p Type
Sun Nuclear Corporation Jie Shi

(2) April 15 (Sat.) 8:15–8:55 (418 + 419)

Moderator: QST/NIRS Shinichiro Mori
Mathematical Techniques for Markerless Tumor Motion Following Radiation Therapy
Tohoku Univ. Noriyasu Homma

(3) April 16 (Sun.) 8:15–8:55 (418 + 419)

Moderator: Kyoto Univ. Mitsuhiro Nakamura
Risk-based analysis for radiotherapy according to AAPM TG-100
National Cancer Center Hospital Hiroyuki Okamoto

(C) Lunch Time Lecture

(1) April 14 (Fri.) 12:00–12:50 (418 + 419)

Moderator: QST/NIRS Taiga Yamaya
Development of State-of-The-Art Quality Assurance Dosimetry at CMRP:
International Collaboration (Overview)
Univ. of Wollongong Anatoly B. Rozenfeld

(2) April 15 (Sat.) 12:00–12:50 (418 + 419)

Moderator: Kyushu Univ. Hidetaka Arimura
Deep Learning Techniques for Computer Aided Diagnosis
Fujita Health Univ. Atsushi Teramoto

(3) April 16 (Sun.) 12:00–12:50 (418 + 419)

Radiation Protection for the lens of the eye

Moderator: QST/NIRS Shunsuke Yonai

1. Reduction of the dose limit by the ICRP and the current status

QST/NIRS Keiichi Akahane

2. The trend of the international and national standards for the dose of eye lens

AIST Tadahiro Kurosawa

(D) JSRT-JSMP Joint Symposium

April 14 (Fri.) 9:50–11:50 (501)

Radiological Physics and Technology

Moderator: Kumamoto Univ. Junji Shiraishi

Teikyo Univ. Shinji Kawamura

1. Radiological Physics and Technology: Brief History, Current Status and Future

RPT Editor-in-Chief Kunio Doi

2. Cited and non-cited articles – From the analysis of articles published in RPT

RPT Deputy Editor Masahiro Endo

3. Medical Physics 3.0

Duke Univ. Ehsan Samei

(E) Information Exchange Meeting on Medicine Physics Education Course

April 15 (Sat.) 13:00–14:30 (419)

Moderator: The Japanese College of Medical Physics Masahiro Fukushi

Teiji Nishio

(F) JSMP-JSMBE Joint Session

April 16 (Sun.) 11:00–11:50 (419)

Exchange meeting with Japanese Society for Medical and Biological Engineering (JSMBE)

Moderator: Kyoto Univ. Tsuyoshi Shiina

QST/NIRS Shigekazu Fukuda

NCVC Masaru Sugimachi

Kyoto Univ. Tsuyoshi Shiina

(G) Session for students

April 16 (Sun.) 14:00–14:50 (419)

“Are you satisfied with studying in Japan?”

Kindai Univ. Hajime Monzen

HIPRAC Shuichi Ozawa

JSMP Board of Directors

April 13 (Thu.) 12:00–17:00 (421)

JSMP General Meeting of Members

April 15 (Sat.) 17:10–18:10 (419)