

Joint JHPS-SRP-KARP Workshop of Young Generation Network
"The future of radiation protection profession"

December 4, 2019 Ground floor, IRIDeS (International Research Institute of Disaster Science), Aobayama Campus, Tohoku University

9:00 Registration
10:00 Welcome and opening remarks
10:05 IRPA YGN session

IRPA YGN Session		
Co-chair Akihiro Sakoda / JHPS Pete Bryant / SRP		
Time	Presentation	
10:05	Introduction	Akihiro Sakoda / JHPS
10:10	IRPA and SFRP YGNs activity	Sylvain Andresz / SFRP
10:30	JHPS YGN activity	Noriaki Kataoka / JHPS
10:45	SRP YGN activity	Pete Bryant / SRP
11:00	KARP YGN activity	Geehyun Kim / KARP
11:15	CSRP YGN activity	Rui Qiu / CSRP
	Discussion	All participants

11:55 Photograph
12:00 Lunch
13:00 Technical Session – Where are we now? Where are we heading?

Technical Session		
*Presentation 7 min; Discussion 2 min		
Time	Sub-session Chair	Presentation
13:00	Environmental radiation and radioactivity Takahiko Kono / JHPS	[1] Transfer of natural radionuclides to animals living in the vicinity of the closed uranium mine at Ningyo-toge, Japan Akihiro Sakoda JAEA
		[2] Dose assessment of ²²⁶Ra in drinking water from high background radiation area Mamuju, Indonesia Eka Djatnika Nugraha BATAN; Hirosaki University
		[3] Calibration chamber for radon, thoron and their progenies measurements at Hirosaki University, Japan Yuki Tamakuma Hirosaki University
		[4] Radon behavior estimation of living environment in Ningyo-toge area, Japan Hasan Md. Mahamudul The University of Tokyo
		[5] Natural gamma radiation measurement of placer sands from southern coast of Tamil Nadu, India Nimelan Veerasamy Tokyo Metropolitan University; QST
	Radiation measurement and simulation Seiko Hirota / JHPS	[6] Numerical calibration of portable NaI detector for rapid screening of internal exposure following radiation emergencies Wi-Ho Ha KIRAMS
		[7] Development of direct-type alpha dust monitor for in-situ measurement of airborne concentration during fuel debris retrieval and decommissioning of nuclear fuel cycle facilities Yoichi Tsubota JAEA; Hirosaki University
		[8] MCNP simulation of ²²³Ra and ²¹¹At alpha spectrum for radiation control in nuclear medicine Masato Narita Tokyo Metropolitan University; QST
		[9] Application of new tissue equivalent materials to Korean physical phantom for radiation protection purposes Jeongin Kim Radiation Health Institute, KHNP

	Radiation protection and regulation Jeongin Kim / <i>KARP</i>	<p>[10] Revised requirements for emergency preparedness & response in the UK outline planning Laura Macintosh <i>UK SRP</i></p> <p>[11] Regulatory challenges and optimisation in decommissioning of UK nuclear sites David Brazier <i>Environment Agency, England</i></p> <p>[12] A brief scrutiny of Malawi's development agenda vis-à-vis status of atomic regulatory infrastructure Estiner W Katengeza <i>The University of Tokyo; University of Malawi</i></p> <p>[13] Overview of CIRP and BRIUG – two CNNC institutes involved in radiation protection research Yadong Wang <i>CIRP; The University of Tokyo</i></p> <p>[14] Problems in developing plans for decontamination of radioactive contamination area Naoki Nomura <i>Fukui University of Technology</i></p>
15:25	Coffee Break	
15:45	Cs and Sr analysis Emergency monitoring Estiner W Katengeza / <i>Malawi</i>	<p>[15] A study on the optimum condition of Sr preconcentration method in seawater samples Takahiko Kono <i>JAEA</i></p> <p>[16] Desorption of radioactive cesium from montmorillonite using cationic surfactants with different headgroup Herry Wijayanto <i>Hiroshima University</i></p> <p>[17] Evaluation of ¹³⁷Cs dissolution rate into digestive juice from mushrooms by <i>in vitro</i> simulation Kanoko Nishiono <i>KINDAI University</i></p> <p>[18] Role of monitoring radionuclides in air to estimate internal exposure under nuclear disaster Yu Igarashi <i>The University of Tokyo</i></p>
	Other topics Laura Macintosh / <i>SRP</i>	<p>[19] Visible light photocatalysis of Nb2O5-doped iron oxide nanoparticle Habibur Rahman <i>Hiroshima University</i></p> <p>[20] Dosimetry by using fingernail ESR derived from alpha keratine Seiko Hirota <i>Hiroshima University</i></p> <p>[21] How to manage radiation safety from the Crookes tube used in the teaching of science? Duy Khiem Do <i>Graduate School of Engineering, Osaka Prefecture University</i></p> <p>[22] Surface treatment for shell egg by low energy electron beam Noriaki Kataoka <i>Tokyo Metropolitan Industrial Technology Research Institute</i></p> <p>[23] The making of "Information booklet for returnees" – re-building trust through collaboration with local communities Yujiro Kuroda <i>Fukushima Medical University</i></p>

17:20 Best presentation award* and Closing Remarks

17:30 Closing

***Best presentation award**

- This award will be presented to a few speakers of Technical Session.
- Winners will be selected by mutual vote among workshop participants.
- The award benefit is to publish his/her paper in "*Journal of Radiation Protection and Research (JRPR)*" without publication charge.

JRPR has been an official co-publishing journal of KARP (Korea), JHPS (Japan) and ARPS (Australia) since September 2019.

<http://jrpr.org/>