



KOREAN ASSOCIATION FOR RADIATION PROTECTION

IRPA Executive Council

26 December 2019

Dear All Members of IRPA Executive Council,

I would like to express my willingness to be considered for the position of IRPA Executive Council member for the term 2020-2028.

With more than 30 years of my professional experience in the area of radiation protection and with current mandates in international radiation protection community, I would like to assure you that I will make my utmost effort to fulfill and discharge successfully the responsibilities of the member of the IRPA Executive Council for further development and globalization of IRPA.

I look forward to having the opportunity to serve as a member of IRPA Executive Council.

Yours sincerely,

Kun-Woo Cho PhD

Korean Association for Radiation Protection (KARP)

Vice-President

Enclosure: a brief CV





KOREAN ASSOCIATION FOR RADIATION PROTECTION

Dr Roger Coates OBE
IRPA President

26 December 2019

Dear Dr Roger Coates,

Nomination for a member of the IRPA Executive Council for the term 2020-2028

This is to confirm that Korean Association for Radiation Protection (KARP), which belongs to Asia/Oceania region, nominates Dr Kun-Woo Cho to the position of the IRPA Executive Council member for the term 2020-2028.

Dr Cho has been the Vice-President of KARP since 2012 and has been highly instrumental and an invaluable asset for the globalization and development of KARP with relentless devotion and affluent knowledge on radiological protection. He was an official delegate from KARP at IRPA13 and IRPA14, and has been a member of the Executive Committee of Asian and Oceanic Association for Radiation Protection (AOARP) since 2012. He has also been a member of the working groups for radiation protection culture and radiation protection certification and qualification, and has been a member of the Rules Committee of IRPA since 2012. He is currently the Vice-Chair of IRPA15 International Congress Organizing Committee.

My Association is extremely pleased to nominate Dr Cho with full confidence and support, and is firmly convinced that he will make a significant contribution for IRPA to become the true international voice of the radiation protection profession in coming future.

Yours sincerely,

Woo-Yoon Park MD
President, Korean Association for Radiation Protection (KARP)



Curriculum Vitae

Kun-Woo Cho
Korean Association
for Radiation Protection (KARP)

Date of Birth: 9 October 1959

Nationality: Korean



Current Position:

Principal Researcher
Natural Radiation Safety Department
Korea Institute of Nuclear Safety

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Kun-Woo Cho is a principal researcher at the Korea Institute of Nuclear Safety (KINS). He has also been an adjunct professor at the Department of Nuclear and Quantum Engineering of Korea Advanced Institute of Science and Technology (KAIST) since 2010. He teaches the Radiation Protection, Regulations and Safety at KAIST.

In 1981, Dr. Cho graduated from the Department of Nuclear Engineering, Seoul National University (SNU). He earned a Master's degree at the same department of SNU in 1983. He holds a PhD in nuclear engineering from the University of Cincinnati, Ohio, USA.

After working several years in academia, Dr. Cho joined KINS in 1989 as safety inspector. Later on, he had served as the head of the departments for radiation protection, radiation safety research and international policy. He had also served as the director of the radiation regulation division and the vice-president for the office of radiation safety. In KINS, he is now mainly working for the development and implementation of radiation protection rules and regulations at Naturally Occurring Radioactive Materials (NORM) safety department.

From 1992 to 1994, Dr. Cho held the position of Science Attaché at the Permanent Mission of the Republic of Korea to the International Atomic Energy Agency (IAEA) dealing with nuclear safety, security and non-proliferation matters. Between 2011 and 2013, he had led the response activities of KINS to the Fukushima Daiichi NPP disaster in the areas of radiation protection and safety. He also served as liaison of IAEA Integrated Regulatory Review Services (IRRS) extended follow-up mission to Korea in 2014. He had been United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) Representative of the Republic of Korea from 2013 to 2015.

Dr. Cho has been the vice-president and the chair of International Relations Committee of the Korean Association for Radiation Protection (KARP) since 2012 and a member of the Executive Committee of the Korean Nuclear Society (KNS). He was an official delegate from KARP to the General Assembly of the IRPA Congresses of IRPA13 and IRPA14, and has been a member of the Executive Committee of Asian and Oceanic Association for Radiation Protection (AOARP) since 2012. He had also been a member of the IRPA working groups for radiation protection culture and radiation protection certification and qualification, and has been a member of the Rules Committee of IRPA since 2012. He is currently the vice-chair of IRPA15 International Congress Organizing Committee.

Dr. Cho had been a member and the vice-chair of International Commission on Radiological Protection (ICRP) Committee 4 from July 2013 to June 2017. He had also served as the chair of ICRP Task Group 94 in order to produce the Publication 138 “Ethical Foundations of the System of Radiological Protection” in 2018. He is currently a member of the ICRP Main Commission from July 2017.

Dr. Kun-Woo Cho received the Medal of Industrial Service Merit from the President of the Republic of Korea in 2012.

Education:

- Ph.D in Nuclear Eng., University of Cincinnati, Cincinnati, Ohio, US, 1989
- MS in Nuclear Eng., Seoul National University, Korea, 1983
- BS in Nuclear Eng., Seoul National University, Korea, 1981

Employment Experience:

- 1989-1992: KINS, Principal Researcher, Health Physics Department
- 1992-1994: Science Attache at the Korean Embassy in Austria
- 2007-2011: KINS, Head for Radiation Safety Research Department
- 2011-2012: KINS, Director for Radiation Safety Regulation
- 2012-2013: KINS, Vice-President for Radiation Safety
- 2014-2015: KINS, Senior Advisor for Radiation Safety
- 2016-present: KINS, Principal Researcher, Natural Radiation Safety Department

Membership of Professional Associations:

- Korean Association for Radiation Protection, Vice President
- Korean Nuclear Society, Member of Executive Committee

Awards and Honors:

- Prize for Nuclear and Radiation Safety, Minister of Science and Technology, 1996
- Prize for Radiation Safety, Commissioner of the Korea Customs Service, 2003
- Prize for International Cooperation in Radiation Safety, Minister of Science and Technology, 2008
- Medal of Industrial Service Merit from the President of the Republic of Korea, 2012

Recent Publications:

Kun-Woo Cho et al., ICRP, 2018. Ethical foundations of the system of radiological protection. ICRP Publication 138. Ann. ICRP 47(1) (2018)

Gyuseong Cho, Jong Hyun Kim, Tae Soon Park and **Kunwoo Cho**, Proposing a simple radiation scale for the public: Radiation Index, Nuclear Engineering and Technology, 49, pp. 598-608 (2017)

Kun-Woo Cho, The Work of ICRP on the ethical foundations of the system of radiological protection, Radiation Protection Dosimetry, Nov. pp. 1-6 (2016)

Chieko Kurihara, **Kunwoo Cho** and Richard E. Toohey, Core ethical values of radiological protection applied to Fukushima case: reflecting common morality and cultural diversities, Journal of Radiological Protection, 36, pp. 991-1003 (2016)

Kun-Woo Cho, Ethical Foundation of the radiological protection system, Annals of ICRP, Proceedings of the third International Symposium on the system of radiological protection, ICRP 2015, pp.297-308 (2016)

Seunghwan Kim and **Kunwoo Cho**, Analysis of University Student Awareness of Radiation Exposures from consumer products, Journal of Radiation Protection and Research, Vol. 41, No. 1 (2016)

Khalid Khasawneh and **Kun-Woo Cho**, Suggestion for improvements of the radiation protection for the emergency workers during the Fukushima nuclear power plant accident, Journal of Radiation Protection and Research, Vol. 39, No. 2 (2014)

Yeon Soo Yeom, Jong Hwi Jeong, Chan Hyeong Kim, Min Cheol Han, Bo Kyung Ham, **Kun-Woo Cho** and Sung Bae Hwang, HDRK-Woman: whole-body voxel model based on high-resolution color slice images of Korean adult female cadaver, Phys. Med. Biol. 59, pp 3969-3984 (2014)

Chan Hyeong Kim, Jong Hwi Jeong, Wesley E Bolch, **Kun-Woo Cho** and Sung Bae Hwang, A polygon-surface reference Korean male phantom (PSRK-Man) and its direct implementation in Geant4 Monte Carlo simulation, Physics in Medicine and Biology, 56 , 3137-3161 (2011)

Myeong Han Song, Byung-Uck Chang, Yongjae Kim, **Kun-Woo Cho**, Radon Exposure Assessment for the Underground Workers; A Case of Seoul Subway Police Officers in South Korea, Radiation Protection Dosimetry, pp. 1-5 (2011)

Ji Seok Kim, Jong Hwi Jeong, Wi Ho Hac, **Kun-Woo Cho**, Jai Ki Lee, A validation of computational phantoms from photographic images for patient-tailored whole body counting, Applied Radiation and Isotopes, 68, 776-779 (2010)

Kun-Woo Cho, Yong-Min Kim, Implementation of the ICRP 2007 recommendations in Korea, Applied Radiation and Isotopes, 2009/67/7-8 (2009)

Jong Hwi Jeong, Sungkoo Cho, Choon-Sik Lee, **Kun-Woo Cho**, Chan Hyeong Kim, Development of Deformable Computational Model for Korean Adult Male Based on Polygon and NURBS Surfaces, Journal of Nuclear Science and Technology, Vol. 168, p.227-230 (2009)

Sang Hyoun Choi, Jong Hwi Jeong, Sungkoo Cho, Min Suk Chung, Hyun Do Huh, Woo Chul Kim, **Kun-Woo Cho**, Chan Hyeong Kim, Construction of a High-quality Voxel Model VKH-Man Using Serially Sectioned Images from Visible Korean Human Project in Korea, Journal of Nuclear Science and Technology, S5: p.179-182 (2008)

Jong Hwi Jeong, Sang Hyoun Choi, Sungkoo Cho, Choon-Sik Lee, **Kun-Woo Cho**, Chan Hyeong Kim, Development of a Reference Korean Voxel Model by Adjusting the Size of the Organs and Tissues, Journal of Nuclear Science and Technology, S5: p.321-324 (2008)