



**KSMP & KAMPiNA Invite you to attend the
Special Session on the State of the Art in Medical Physics
Sunday, July 25 and Monday, July 26 • 7:00–9:00 pm ET**

The Korean Society of Medical Physicists (KSMP) and The Korean Association of Medical Physicists in North America (KAMPiNA) are hosting an inaugural Special Session on the State of the Art in Medical Physics. This event will celebrate the profession in Korea as well as review exciting technologies such as particle therapy, artificial intelligence, and MR-linac systems. Please join us to learn the latest research coming from Korea and the world.

To participate in this special session, you must be a registered attendee of the **AAPM 2021 Virtual 63rd Annual Meeting & Exhibition**. The virtual experience will offer great meeting content including SAM credits and MPCEC hours and engagement with vendors. See this year's enticing program [here](#). Plan to attend – You won't want to miss it!

[Register Now](#)

Sunday, July 25

Session Chairs: Dr. Byung-Chul Cho; Dr. Sang-June Park

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| 7:00 pm | Welcome Remarks from AAPM President, Dr. James Dobbins III, Professor
Duke University Medical Center |
| 7:05 pm | Welcome Remarks from AAPM Chair of the Board, Dr. Saiful Huq, Professor
UPMC Hillman Cancer Center and University of Pittsburgh School of
Medicine |
| 7:10 pm | Recent technological advances and current status of carbon ion
radiotherapy, Seoul National University Hospital
Dr. Jong Min Park, Professor Seoul National University Hospital |
| 7:35 pm | Techniques and workflows for adaptive proton therapy
Dr. Harald Paganetti, Professor Massachusetts General Hospital |
| 8:00 pm | AI-Driven Research & Clinic in Radiation Therapy
Dr. Jinsung Kim, Associate Professor Yonsei Cancer Center |
| 8:25 pm | How to Deal with the ART Part of the RT with AI?
Dr. Steve Jiang, Professor UT Southwestern Medical Center |
| 8:50 pm | Q&A |

Monday, July 26, 2021

Session Chairs: Dr. Seungryong Cho; Dr. Choonik Lee

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| 7:00 pm | Welcome and Organizational Intro from KSMP President
Dr. Byung-Chul Cho, Professor Asan Medical Center |
| 7:05 pm | Welcome and Organizational Intro from KAMPiNA President
Dr. Sang-June Park, Associate Professor UCLA School of Medicine |

- 7:10 pm **Research on adaptive radiation therapy using deep learning models**
Dr. Youngyih Han, Professor | Samsung Medical Center
- 7:35 pm **The evolution, current state, and future prospect of the 1.5T MRI linac**
Dr. Bas Raaymakers, Professor | University Medical Center Utrecht
- 8:00 pm **The evolution, current state, and future prospect of the 0.35T MRI linac**
Dr. Daniel A. Low, University of California, Los Angeles
- 8:25 pm **Dose profile modulation of proton mini-beam for clinical application**
Dr. Young Kyung Lim, Professor | Korea National Cancer Center
- 8:50 pm Q&A