

Radiological and Medical Physics Society of New York, Inc.

2023 RAMPS Annual Symposium



# Artificial Intelligence In Radiotherapy

Friday September 8<sup>th</sup>, 2023

9:00 am – 4:15 pm

Bohemian National Hall  
321 E 73rd St, New York, NY 10021

## Continuing Education:

This meeting has been approved for 3.75 MPCEC hours.

## Meeting Program:

### Time

9:00 - 9:30

**Registration, Visit the vendors**

Coffee and Beverages

9:30 - 9:40

**Welcome**

Haibo Lin, PhD, FAAPM, President, RAMPS, New York Proton Center

**Introduction**

Xiang Li, PhD, President-Elect, RAMPS, Department of Medical Physics, MSKCC

9:40 - 10:25

**Artificial Intelligence-Enabled Automatic Treatment Planning**

**Xun Jia, PhD, FAAPM**

Professor and Director of the Medical Physics Division, Johns Hopkins University

10:25 - 11:10

**Ultrasound Radiomics and AI: Unveiling Radiation-Induced Toxicity in Radiotherapy**

**Tian Liu, PhD, FAAPM**

Professor and Chief of Physics, Icahn School of Medicine at Mount Sinai

11:10 – 11:30

**Vendor Presentations**

11:30 – 12:20

**Showcase with vendors**

12:20 - 1:20

**Lunch/Coffee – Visit the vendors**

1:20 - 2:05

**Artificial Intelligence Empowered Target Decomposition Technique for Markerless Intrafraction Motion Monitoring**

**Xiang Li, PhD**

Chief Attending Physicist, Regional Radiotherapy Physics Service, Department of Medical Physics, MKSCC

2:05 - 2:50 **Clinical Implementation of AI Methods for Radiation Treatments: Challenges and Opportunities.**

**Harini Veeraraghavan, PhD**

Associate Attending Physicist, Department of Medical Physics, MSKCC

2:50 – 3:20 **Coffee Break – Visit the Vendors**

3:20 - 4:05 **Artificial Intelligence in Radiotherapy Outcome Modeling**

**Issam El Naqa, PhD, FAAPM, FIEEE, FAIMBE**

Chair of the Department of Machine Learning at Moffitt Cancer Center

4:05-4:15 **Closing Remark**

### **Registration**

Registration is by PayPal: [https://chapter.aapm.org/ramps/RAMPS/Symposium\\_2023.html](https://chapter.aapm.org/ramps/RAMPS/Symposium_2023.html)

**In-person and virtual registration are available:**

<b>In-person registration</b>	<b>before Aug 25<sup>th</sup>, 2023</b>	<b>after Aug 25<sup>th</sup>, 2023</b>
RAMPS Members	\$85	\$95
Non-Members	\$110	\$120
Student/Resident/Postdoc (with an attesting letter or ID)	\$5	\$5
Member plus Guest	\$190	\$200

### **Virtual registration**

RAMPS Members \$35

Non-Members \$45

Student/Resident/Postdoc (with an attesting letter or ID) \$5

(The Zoom meeting link will be sent to attendees who registered for the virtual option a day before the event. If you don't receive it, please contact [RAMPS NY\\_AAPM\\_chapter at rampsnyc@gmail.com](mailto:RAMPS_NY_AAPM_chapter@rampsnyc@gmail.com) ).

### ***For Students/Residents***

\$5.00 fee + letter from the advisor attesting status or student ID is required at registration

### **Accreditation Statement**

This meeting has been approved for 3.75 MPCEC hours.

Vendors' sponsors:

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