

# **RAMPS INC.**

## ***Radiological and Medical Physics Society of New York***

Memorial Sloan Kettering Cancer Center, Department of Medical Physics, 1275 York Ave., New York, NY 10065, (212) 639-7353

### **2020 RAMPS Sal Vacirca YIS symposium program**

**June 5<sup>th</sup>, Webex**

**(<https://meetmsk.webex.com/meetmsk/j.php?MTID=m74b4bbc247af9c704a519bac0c31a074>)**

**6:00 – 8:00 pm**

**Talks (8 min presentation, 2 min Q &A)**

**6:00 – 6:10 pm: Welcome**

**1. 6:10 – 6:20 pm**

**Automatic segmentation of organs at risk in CBCT scans for ablative radiotherapy of locally advanced pancreatic cancer**

Presenter: Jun Hong

Memorial Sloan Kettering Cancer Center

**2. 6:20 – 6:30 pm**

**Detection and segmentation of brain metastases on MR and CT images using machine learning and a novel optimized thresholding technique**

Presenter: Dylan Hsu

Memorial Sloan Kettering Cancer Center

**3. 6:30 – 6:40 pm**

**Auto-Segmentation On Liver With 3D U-Net And Pixel Deconvolutional Net**

Presenter: Huan Yao

Northwell Health

**4. 6:40 – 6:50 pm**

**Failure Mode and Effects Analysis of the Paraspinal Stereotactic Body Radiotherapy (SBRT) Program: Memorial Sloan Kettering Experience**

Presenter: Sang Kyu Lee

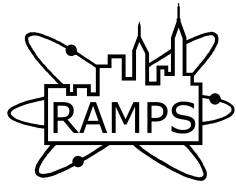
Memorial Sloan Kettering Cancer Center

**5. 6:50 – 7:00 pm**

**Workflow analysis of Gamma Knife framed and frameless treatments**

Presenter: Jian Liu

Northwell Health



# ***RAMPS INC.***

6. 7:00 – 7:10 pm:

**End-to-end Automatic Prostate CT Contouring: from Body Region Selection to Organ Segmentation using CNN**

Presenter: Yucheng Liu

Columbia University

7. 7:10 – 7:20 pm

**Replacing Gamma Knife beam profile on film with in-phantom and in-air point-detector scans**

Presenter: Benedikt Rudek

NYU Langone Health

8. 7:20 – 7:30 pm

**Assessing robustness of CBCT texture features using a novel 3D-printed phantom**

Presenter: Karl Spuhler

NYU Langone Health

9. 7:30 – 7:40 pm

**IMRT QA Workflow Automation Using a Custom Script**

Presenter: Thomas Wolken

Mount Sinai

## Webex Information

Link: <https://meetmsk.webex.com/meetmsk/j.php?MTID=m74b4bbc247af9c704a519bac0c31a074>

MeetingPlace: 1-646-888-6338

Cisco Unified MeetingPlace meeting ID: 160 702 6708