

# Hands-on **CT** Workshop <sup>for</sup> Physicists

Cleveland, OH  
September 27-29, 2019



## **MTMI**

Medical Technology  
Management Institute

*A continuing education division of*  
**THE COLLEGE OF HEALTH CARE PROFESSIONS**

# Workshop Schedule

## Day One - 1:30pm - 6:15pm

Introduction to CT - Review of Basic Principles  
Performance Testing  
ACR Accreditation of CT Facilities  
Joint Commission Requirements  
Simulation Lab 1- CT Protocol Optimization

## Day Two - 8:00am - 6:15 pm

Optimization of CT Protocols and Dose  
Considerations for Measuring CT Dose  
CT Artifacts: Recognition and Resolution  
CT Shielding Design, Testing & Scanner  
Measurement  
Spectral CT  
Lab Sessions 1-3

## Day Three - 8:00 am - 12:15 pm

Tracking and Reporting CT Doses  
Simulation Lab 2 - Dose-Wise Simulation  
Lab Session 4

*~ schedule subject to change ~*

## NEW this year:

### Simulation Group Labs:

- Lab 1: CT Dose Protocol Optimization Parameters
- Lab 2: Dose-Wise Simulation

### Lab Sessions - Groups Rotate

- Lab A: ACR Image Quality
- Lab B: Dose Measurements
- Lab C: Shielding/Radiation Surveying of CT Facilities
- Lab D: Spectral CT

### Credits

**CAMPEP** - This program is designed to provide **17 hours** of continuing education. The program has been submitted for approval by CAMPEP for Medical Physics Continuing Education Credit (MPCEC) for qualified medical physicists.

This program also offers **7 SAMS** - Self Assessment Modules.

**ASRT** - This program provides 19.25 hours of Category A continuing education credit for radiologic technologists approved by ASRT and recognized by the ARRT and various licensure states.

## Faculty

- Frank Dong, PhD - Workshop Director
- Sandra Simon Halliburton, PhD - Workshop Co-Director
- Katie Hulme, MS
- Paul Johnson, PhD
- David Jordan, PhD
- Mary Jayne Hogan, RT(R)(CT)

## Educational Objectives

*At the conclusion of this workshop, participants will be able to:*

- Recall the technology of multi-detector CT units.
- Define how radiation dose from CT units is measured and controlled.
- Outline the development and optimization of CT protocols.
- Design an effective QC program incorporating the ACR and Joint Commission requirements.
- Understand the dynamics of spectral CT and the role it plays in the clinical setting.
- Recognize the various types of CT artifacts, review the causes of these artifacts and obtain knowledge on how to avoid or resolve CT artifacts.
- Obtain knowledge on CT shielding, testing and scanner measurements.

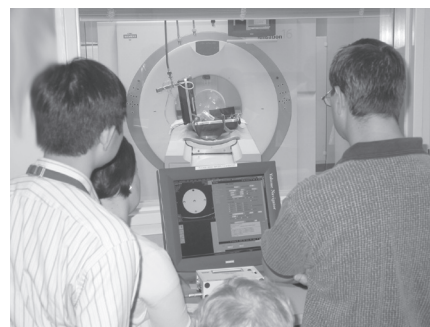
## Course Location:

Philips Healthcare  
North America Education Center  
595 Miner Rd.  
Cleveland, OH 44143

## Accommodations:

Hilton Garden Inn  
Cleveland East/Mayfield Village  
700 Beta Drive  
Mayfield, OH 44143

*see website for details*





Registration Form:

*Please print clearly - this is how your name will appear on your certificate.*

Hands-on CT Workshop for Physicians

Cleveland, OH - Sep 27-29, 2019

Print Name: \_\_\_\_\_ degree/title: \_\_\_\_\_

Home Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip code: \_\_\_\_\_ \*e-mail: \_\_\_\_\_ \* registration confirmation will be sent to this e-mail address -PRINT CLEARLY

Day phone: ( ) \_\_\_\_\_ Eve. phone: ( ) \_\_\_\_\_

**MTMI**  
Medical Technology  
Management Institute

Registration Fees	Workshop only	Workshop w/SAMS*
Regular fee	<input type="checkbox"/> \$1095	<input type="checkbox"/> \$1305
MTMI Member fee	<input type="checkbox"/> \$1050	<input type="checkbox"/> \$1260
7 SAMS	<input type="checkbox"/> \$210	
Become an MTMI member	<input type="checkbox"/> \$65 - Member discount available immediately!	

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800-765-MTMI(6864) or 262-717-9797 or email [custservice@mtmi.net](mailto:custservice@mtmi.net) or register online at [www.mtmi.net](http://www.mtmi.net) or FAX 414-238-2740