

MTMI
10361 Innovation Dr., STE 400
Milwaukee, WI 53226

Prst. STANDARD
US Postage
PAID
Milwaukee, WI
Permit No. 4185

HANDS-ON CT PHYSICS

Mini Workshop

April 17-18, 2021
held in the MTMI
International Headquarters
in Milwaukee, Wisconsin



MTMI Medical Technology
Management Institute
Your Global Medical Imaging Education Partner

~limited space~
due to COVID compliance



Schedule

Day One - 8 am - 7:00 pm

- Intro to CT - Review of Basic Principles
- Performance Testing
- ACR Accreditation of CT Facilities & Joint Commission Requirements
- Hands-On Labs:
 - ~ ACR Image Quality & Dose Measurements
 - ~ CT Shielding Design, Testing & Scanner Measurements
 - ~ Shielding/Radiation Surveying of CT Facilities

(attendees will be divided into 2 groups & rotate through all labs)

Day Two - 8 am - 12:30 pm

- Optimization of CT Protocols & Dose
- CT Artifacts: Recognition & Resolution
- Tracking & Reporting CT Doses

~ schedule subject to change ~

This program is limited to 12 attendees to be COVID-19 compliant. Please note that due to access limitations this workshop will feature GE Healthcare CT Equipment only.

More Physics Programs coming soon:

MRI Physics Update

May 22-23 - webinar

Hands-on Ultrasound Physics Workshop

June 11-12 - Ann Arbor, MI

Educational Objectives

At the completion of this course attendees will be able to:

- Recall the technology of multi-detector CT units
- Define how radiation dose from CT units is measured and controlled
- Explain 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 & Joint Commission requirements
- 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

Credits

CAMPEP - This program is designed to provide 11.25 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 6 SAMS - Self Assessment Modules.

Hands-on CT Physics Mini Workshop

April 17-18, 2021

**MTMI International Headquarters
Milwaukee, WI**

Faculty

- Frank Dong, PhD - Program Director
- Paul Johnson, PhD

Course Location:

MTMI International Headquarters
10361 Innovation Dr., STE 400
Milwaukee (Wauwatosa), WI 53226

Accommodations:

Sonesta Milwaukee West
10499 W. Innovation Dr.
Wauwatosa, WI 53226
(see website for details)

Tuition

Regular Price: \$975
MTMI Member Price: \$930
6 SAMS: \$180 additional

www.mtmi.net

or call 800-765-6864