

Center Report to the SNMMI Board of Directors
January 27, 2018

COMPUTER AND INSTRUMENTATION COUNCIL

Council Mission: The Computer and Instrumentation Council is a group within The Society of Nuclear Medicine and Molecular Imaging, Inc., hereafter referred to as the Society, dedicated to the interchange of scientific and medical ideas among Society members who have interest in computers and instrumentation. The overall mission of the Computer and Instrumentation Council is to:

- (a) provide a forum for members with similar interests
- (b) provide expertise in the field of interest to the membership
- (c) foster research and education in the field of interest
- (d) provide outreach to other professionals and organizations
- (e) nurture new membership into the Society
- (f) serve as a resource to SNMMI Leadership

Council Mission and SNMMI's Strategic Plan: The work of the Computer and Instrumentation Council applies to the following goals and objectives in SNMMI's Strategic Plan:

Goal B: SNMMI has advanced the development and approval of nuclear medicine and molecular imaging technologies.

Objective 1: Encourage and promote research in the field.

- a. Increase the number of facilitated collaborative research efforts among academic sites with industry.
- b. Reach out to experts in the field to involve them in work groups or coalitions that are producing new studies and papers.
- c. Support and foster collaboration between academia and industry; academia looks to industry to translate initial discoveries in patient care into new technology.

Objective 2: Increase the number of initiatives targeting the discovery and validation of diagnostic radiopharmaceuticals, radiotherapeutics and instrumentation.

Goal F: SNMMI has the organizational strength and sustainability to lead the field in a dynamic healthcare landscape.

Objective 1: Strengthen membership numbers.

- d. Ensure enthusiasm.
 - iii. Create a sense of community and networking opportunities among our members.

CaIC Council President: Mark Smith, PhD

Date of Last meeting: June 12, 2017

Date of Next meeting:

Annual Meeting - TBD

Update on Council Programs:

2018 SNMMI Mid-Winter Meeting CE session:

- *A Primer on PET Instrumentation, Image Reconstruction and Analysis Software, and Essential Quality Control*

2018 SNMMI Annual Meeting Categorical Session:

- *PET/CT and PET/MR for Adults and Children: Fundamental and Evolving Practices (Co-Sponsored with the PET CoE and PIC)*

2018 SNMMI Annual Meeting CE Session

- Advances in Simultaneous PET/MRI Imaging and Clinical Applications
- Motion Correction Strategies in PET
- Measurement of Absolute Myocardial Blood Flow, Part II: Current State of Dynamic SPECT (Joint session with CVC)
- Crystals to Quantification to QC: A Field Guide to SPECT and PET Instrumentation
- Quantitative Imaging for Dosimetry in Radionuclide Imaging and Therapy

Action Items in Progress/Pending:

- Proceed with the CalC name change
- Preparation for 2018 Mid-Winter and Annual Meeting
- Finalize the Standard Operating Procedures
- 2018 CalC Awards:
 - Edward J. Hoffman Award Lecture
 - Tracy Lynn Faber Award
 - CalC Young Investigator Awards

Action Items Completed: See programs above

Recommendations/Questions for the Board of Directors: N/A

Other Comments: N/A