

SNMMI Computer and Instrumentation Council (CaIC)

Council Report – January 2014

Activities and accomplishments of the past year include:

Organized and conducted one continuing education (CE) session for the 2013 SNMMI Mid-Winter Meeting (MWM) in New Orleans, LA:

PET and SPECT Quantitation (organizer: Hadyn T. Williams, MD)

The CaIC organized and conduct four CEs at the 2013 SNMMI Annual Meeting in Vancouver, BC:

- Nuclear Medicine, Archiving, and PACS (SAM session) – in collaboration with the YPC
- Calibration, Absolute Quantification and Contrast Recovery in PET/CT
- Ultra-Low Dose CT in PET/CT
- Progress Toward non-reactor-based Tc-99m Production Alternatives

Organized and moderated the Edward J Hoffman Memorial Award and Lecture at the 2013 SNMMI Annual Meeting.

Tom K. Lewellen, PhD, University of Washington, was the 2013 Edward J Hoffman Memorial Award recipient. His lecture was entitled “Trends in Dector Design and Electronics for High Resolution PET”.

Organized and moderated the Computer & Instrumentation Young Investigator Award Symposium at the 2013 SNMMI Annual Meeting. The young investigators presenting in the Symposium were recognized at the annual CaIC business meeting and received \$600/\$400/\$300/4x\$100 per their respective awards; each young investigator also received a one-year Council membership.

Awarded \$100 and a one-year CaIC membership to each of the top three Scientific Poster Award winners in the Data Analysis & Instrumentation Track and officially recognized the awardees at the annual CaIC business meeting.

Elected the following individuals to the CaIC Board of Directors.

Vice President-elect – Scott Metzler, PhD

Secretary – S. Cheenu Kappadath, PhD

Two Board Members

Roger Fulton, PhD

Osama Mawlawi, PhD

The CaIC Board selected Jonathon A. Nye PhD as the new Intern for the 2013 – 2015 period.

Immediate Past President Georges N. El Fakhri, PhD, served as Vice-Chair of the Instrumentation and Data Analysis track for the 2013 SNMMI annual meeting. Vice President John N. Aarsvold, PhD, will assist.

Looking Forward:

1. The CalC will conduct elections in the Spring of 2014 for Vice President-Elect, Treasurer, and two BOD members.
2. Organized one session at the SNMMI Mid-Winter Meeting in Palm Springs, CA, February 6 – 9, titled “Simultaneous PET-MRI: From Basic Science to Clinical Application”.
3. Organize seven CE sessions for the 2014 Annual Meeting in St. Louis, MO, June 7 – 11.
 - Respiratory gating in PET-CT and SPECT-CT
 - Resolution modeling in PET imaging
 - Simultaneous PET-MRI
 - Molecular Images on PACS
 - Radioisotope Therapies: Dosimetry and Imaging
 - Quantitative PET for Therapy Planning and Assessment of Response
 - Brain Analysis Software in PET-CT and SPECT-CT
4. The CalC BOD will organize and moderate the Computer & Instrumentation Basic Science Summary Session at the 2013 SNMMI Annual Meeting.
5. The CalC BOD will organize and moderate the Computer & Instrumentation Young Investigator Award Symposium at the 2013 SNMMI Annual Meeting.
6. The CalC BOD will organize the Scientific Poster Award judging for posters in the Data Analysis & Instrumentation Track.
7. The CalC BOD will continue exploring collaboration with the EANM Physics Committee.

Council Leadership 2012-2013

Officers:

President: John N. Aarsvold, PhD
Vice President: Timothy G. Turkington, PhD
Vice President-Elect: Scott Metzler, PhD
Secretary: S. Cheenu Kappadath, PhD
Treasurer: Irene Buvat, PhD
Immediate Past President: Matthew R. Palmer, PhD

Board Members:

Frank D. Anstett, CNMT
Ramsey D. Badawi, PhD
Roger Fulton, PhD
Michael A. King, PhD
Osama Mawlawi, PhD
Jonathon Nye, PhD (Intern)

Mission

The Computer and Instrumentation Council's mission is to promote the dissemination of knowledge and the advancement of computers and nuclear instrumentation for diagnosis and treatment in nuclear medicine to its members and to the Society of Nuclear Medicine and Molecular Imaging as a whole. CaIC has pursued this mission by:

1. creating, organizing, and presenting educational programs,
2. publishing educational articles, e.g., our "Newsletter", and
3. working with organizations with goals in common with the Council's goals.