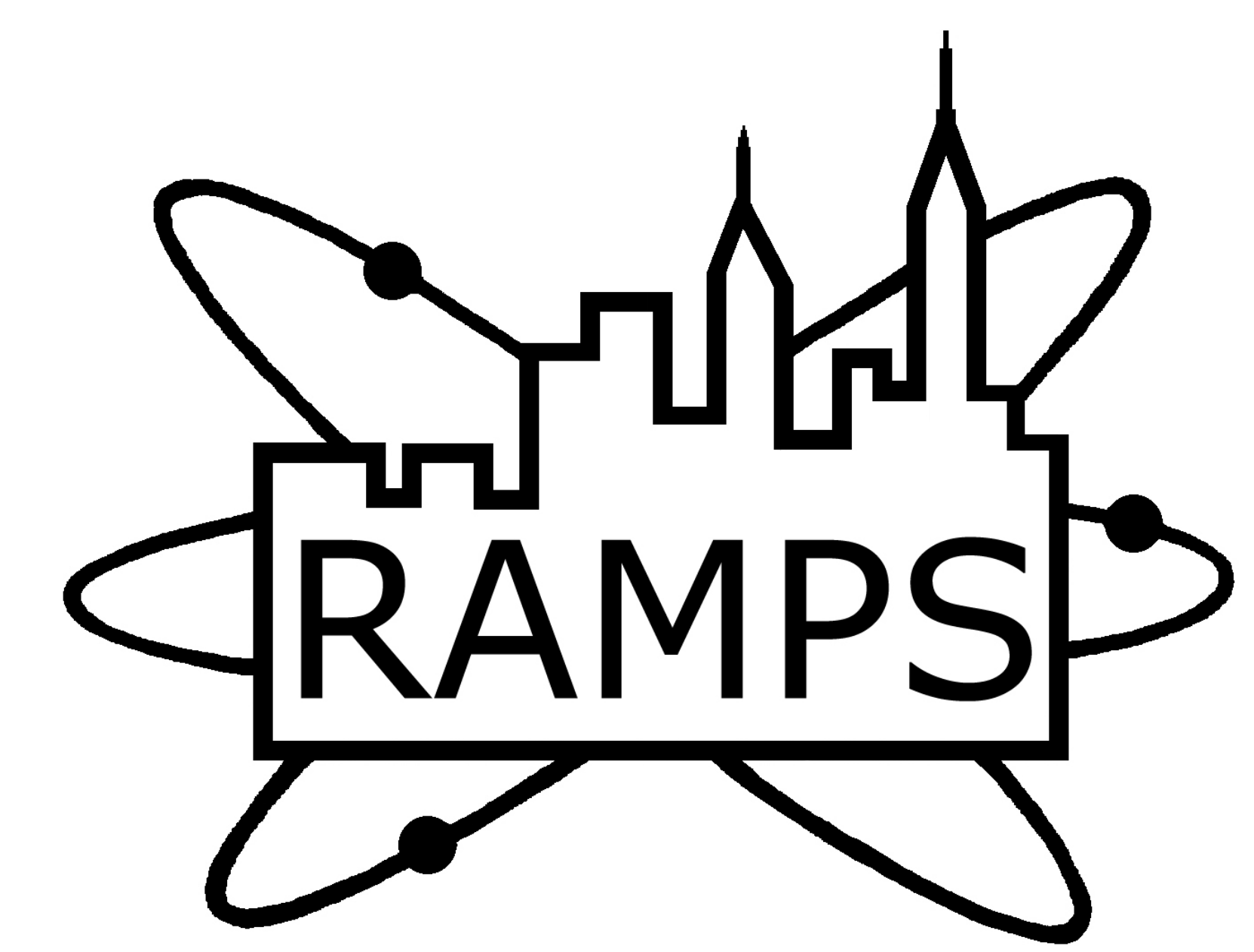




The Radiological and Medical Physics Society of New York

RAMPS 1948 – 2017

The Earliest Organization of Medical Physicists in the United States



History of RAMPS

During the mid 1940's, physicists associated with medical institutions in the metropolitan New York City region commenced meetings to compare instrumentation and their measurements of the quantity of radioactivity in solutions in medical use. This was necessary for uniformity, and also for accuracy since the national standard available appeared to be inconsistent. This was just prior to the availability of megavoltage x rays and electrons, and the primary concern of the physicists was associated with the uses of radioactive nuclides. The clinical uses of iodine-131 and other radionuclides (phosphorus-32, yttrium-90, etc.) were being actively explored and agreement on the amount of activity being administered was essential. Such measurements led to the "New York Millicurie," which served a vital purpose.

By 1948 the meetings of these medical physicists were on a scheduled basis with elected officers and records. Those initially active in RAMPS included **Mones Berman, Hanson Blatz, Carl Braestrup, Giacchino Failla, Sergei Feitelberg, Elizabeth Focht, Hiram Hart, Lillian Jacobson, Robert Loevinger, Leo Marinelli, Eleanor Oshry, Edith Quimby, Edward Siegel, Aaron Yalow, Rosalyn Yalow,** and others. This group established the measurement procedure for the "New York Millicurie," and their meetings served both scientific and professional functions. A constitution was written in 1954 by **R. Yalow** and **J. Laughlin**, and revised in 1957 by them. RAMPS has continued to grow from its modest beginning to a current membership of about 150 and conducts monthly meetings which are well attended. Their meetings usually include scientific presentations by a member or guest on physical aspects of treatment, diagnosis, nuclear medicine, or protection. Also, a symposium on a pertinent scientific topic is held annually. RAMPS welcomed the initiation of the AAPM and became a chapter in it.

From **J. S. Laughlin** and **P. N. Goodwin**: *History of the AAPM 1958–1998, Medical Physics 25(7, part 2): 1240-1241; 1998.* Reproduced here with the permission of the AAPM



American Association of Physicists in Medicine was established 10 years later

John Laughlin became the President of AAPM

Rosalyn Yalow, Founding Member of RAMPS and Charter Member of AAPM, received the 1977 Nobel Prize for Physiology or Medicine.

25th Anniversary, NY Academy of Sciences



Mary Lou Meurk, John Laughlin



From left: Edith Quimby, Shirley Quimby, Emma Goodwin, Paul Goodwin, Shirley Epp



"The Mutants"
From left: Saul Harris, Joyce Davis, Shirley Vickers, Barbara Heller, Mort Heller

Major Awards to RAMPS Members

AAPM Coolidge Award

John S. Laughlin	1974
Edith H. Quimby	1977
Lowell L. Anderson	2000
C. Clifton Ling	2004

AAPM Quimby Lifetime Achievement Award

Lawrence N. Rothenberg	2007
James M. Galvin	2008
Lawrence E. Reinstein	2009
Howard I. Amols	2014
Edward L. Nickoloff	2014
Wendell R. Lutz	2016

Marvin MD Williams Professional Achievement Award

John S. Laughlin	1992
Edward L. Nickoloff	2008
Jean M. St. Germain	2015
Christopher H. Marshall	2015

AAPM Officers from RAMPS

President		
John S. Laughlin	1965	
Lawrence N. Rothenberg	1998	
Howard I. Amols	2005	
Secretary		
Jean M. St. Germain	1985	

55th Anniversary of the Failla Memorial lecture

RAMPS, in conjunction with the Greater New York Chapter of the Health Physics Society, holds the Annual Failla Lecture. The lecturer is an internationally known expert on Medical Physics and/or Radiation Protection. This year's lecture presented by Stephen Balter marked the 54th Anniversary of the Failla Lecture, which honors the memory of Dr. Failla, a Medical Physics pioneer. Other Failla lecturers over the past 10 years are:



Giacchino Failla (1891-1961)



Dr. Balter being presented with a plaque at the Failla Lecture (left)

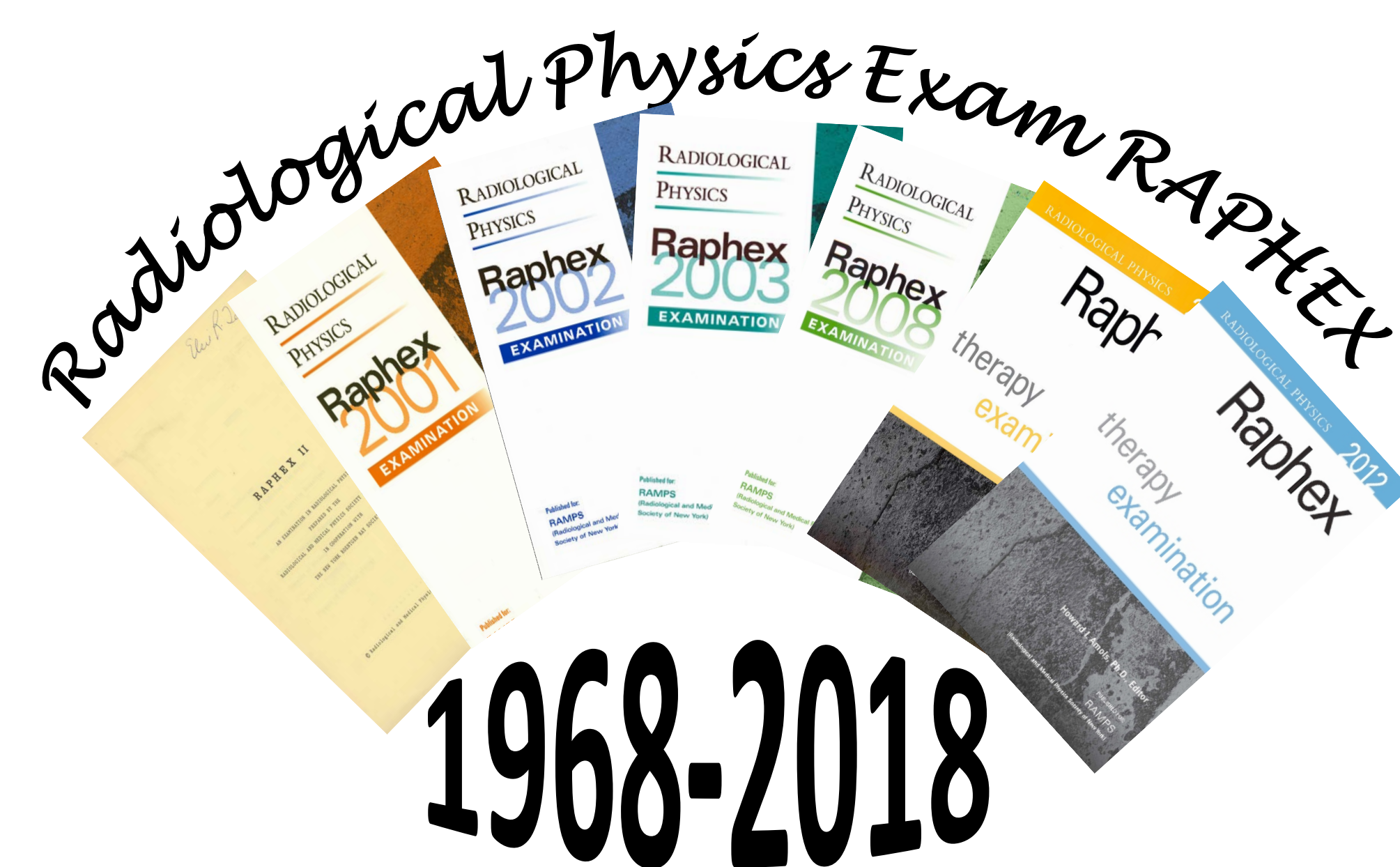
- ❖ J. John Humm, Ph. D. 2017
- ❖ Craig Yoder, Ph. D. 2016
- ❖ Stephen Balter, Ph. D. 2015
- ❖ Isabel Fisenne, Ph. D. 2014
- ❖ David Rogers, Ph. D. 2013
- ❖ Antone L. Brooks, Ph.D. 2012
- ❖ C. Clifton Ling, Ph.D. 2011
- ❖ Michael T. Ryan, Ph.D. 2010
- ❖ Radhe Mohan, Ph.D. 2009
- ❖ Lawrence N. Rothenberg, Ph.D. 2008



Five Failla honorees at the 2012 lecture, left to right, Francis J. Bradley, Lawrence Rothenberg, C. Clifton Ling, Jean St. Germain, and Naomi Harley.

RAMPS Presidents

John Laughlin	1948
Robert Schulz	1968
Hiram Hart	1969
Colin Orton	1971
Gerald Shapiro	1973
Jean St. Germain	1974
Morris Hodara	1975
Harry Astarita	1976
Salvatore Vacirca	1977
Paul Goodwin	1978
Lawrence Rothenberg	1979
Christopher Marshall	1980
Mortimer Heller	1981
Bun Chan	1982
Arthur Olson	1983
Maynard High	1984
James Summers	1985
Alan Schoenfeld	1986
Robert Barish	1987
Mary Ellen Masterson	1988
Edward Nickoloff	1989
Mark Belanich	1990
Susan Barish-Brownie	1991
Yakov Pipman	1992
Doracy Fontenla	1993
Gerald Kutcher	1994
Richard Riley	1995
J. Keith DeWyngaert	1996
James Galvin	1997
C. Clifton Ling	1998
Ceferino Obcemea	1999
Lowell Anderson	2000
Stephen Balter	2001
Mark Belanich	2002
John Humm	2003
J. Keith DeWyngaert	2004
Yeh Chi Lo	2005
Eugene Lief	2006-07
Gig Mageras	2008
Chandra Burman	2009
Cheng-Shie Wu	2010
Jenghwa Chang	2011
Albert Sabbas	2012
Michael Lovelock	2013
Gil'ad Cohen	2014
Cesar Della Bianca	2015
Thomas Petrone	2016
Ziad Saleh	2017
Usman Mahmood	2018



1968-2018

In 1968, in order to assist the training of residents in the various radiological physics specialties, RAMPS appointed a committee to prepare an examination on radiological physics. This examination was administered on a voluntary basis to radiological residents in the New York City area at a session held at the New York Academy of Medicine with the cooperation of the New York Roentgen Ray Society. The response was so enthusiastic that this examination has become an annual event. It is now being used throughout the United States through the courtesy of RAMPS and of the AAPM. In recent years, separate examinations for Diagnostic Radiology and Radiation Oncology have been produced. Teaching has always been an important activity of the medical physicist in his/her institution and the establishment of this examination procedure was a method of assisting the education of residents in the physical aspects of radiology.

RAMPS VACIRCA YOUNG INVESTIGATOR SYMPOSIUM

Each year RAMPS conducts a Young Investigators Symposium named in honor of Salvatore Vacirca, a past RAMPS President. Young Investigators are encouraged to submit abstracts for the competition. The speaker judged to have made the best presentation is provided funding to attend an AAPM national meeting. Recent winners are

1st Place	2nd Place	3rd Place	Year
Sadegh Riyahi*	Ida Häggström*	Lei Zhang*	2017
Ida Häggström*	Reza Farjam*	Irene Zawisza [¶]	2016
Jeho Jeong*	Bosky Ravindranath*	Yong Hum Na [†]	2015
Michael Liu*	Louise Fanchon*	Xin Wang [‡]	2014
Eric Williams*	Xin Wang [‡]	Oleksandr Dzyubak*	2013
Ziad Saleh*	Russell Kincaid*	Lili Zhou [‡]	2012
Sean Berry* [†]	Grace Tang*	Rachel M. Bartlett*	2011

* Memorial Sloan Kettering Cancer Center † Columbia University ¶ Montefiore Medical Center
[‡] Mount Sinai Medical Center § New York University
[§] Rensselaer Polytechnic Institute †† Cornell University

Recent RAMPS Symposia

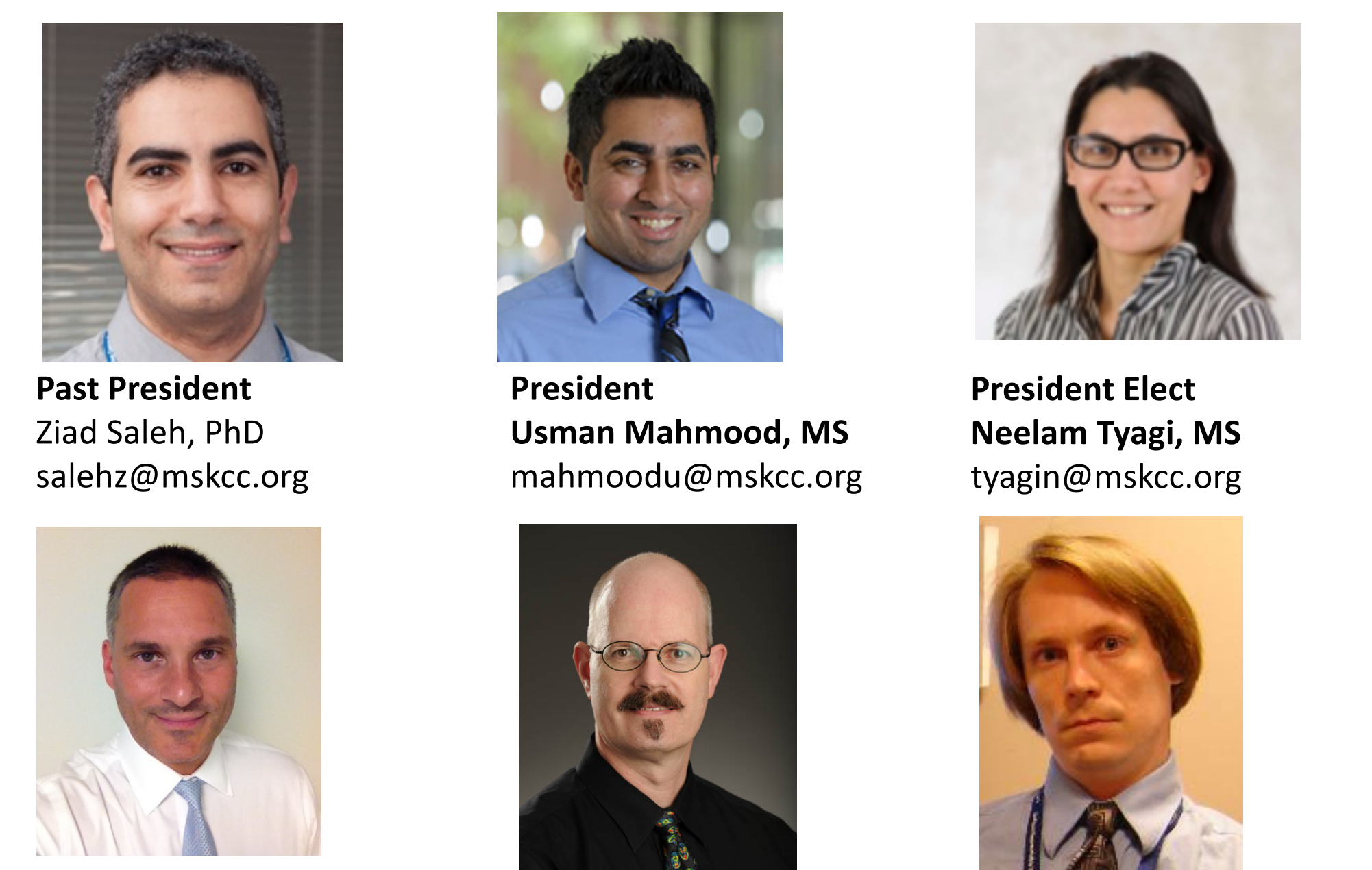
2018	Emerging Technologies in Imaging and Therapy
2017	Advancing Medical Physics
2016	New Developments in Radiotherapy
2015	Imaging and Oncology Physics: A Reunion
2014	Adaptive Radiation Therapy
2013	Focal Therapies
2012	State of the Art in SBRT
2011	Novel Radiation Detectors and their Applications in Dosimetry, Imaging and Health Physics
2011	The Nuclear Accident in Fukushima Japan , Co-sponsored by RAMPS
2010	Error Prevention and Patient Safety for Radiation Treatment and Diagnosis

THE WINNERS OF THE 2017 VACIRCA YIS AWARD



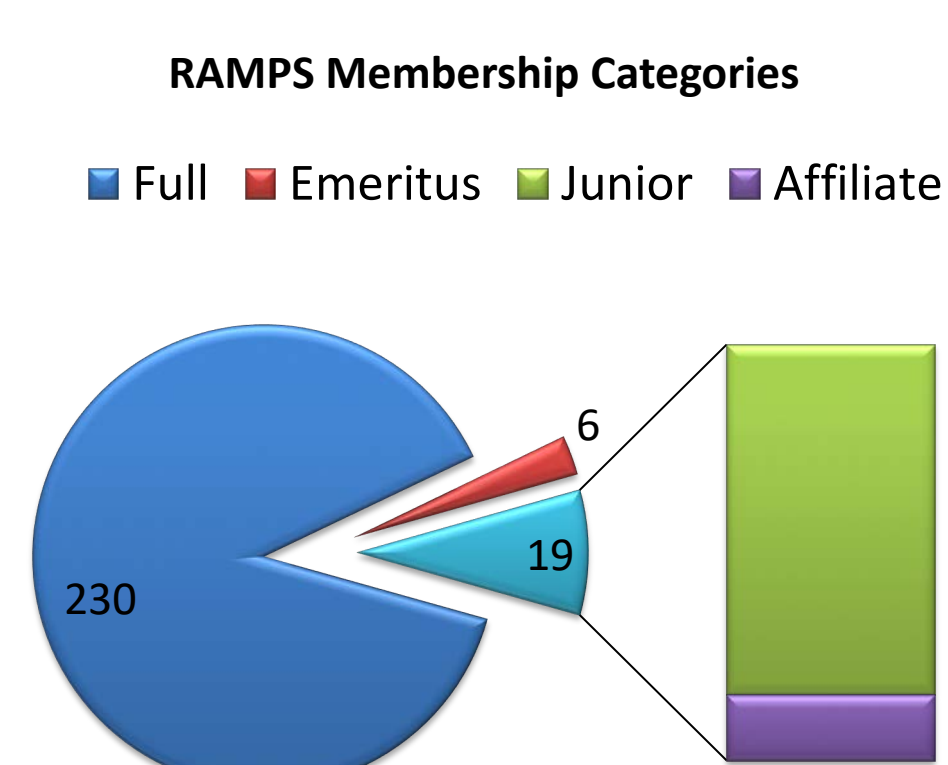
Sadegh Riyahi, PhD Ida Häggström, PhD Lei Zhang, PhD

CURRENT RAMPS OFFICERS



Past President Ziad Saleh, PhD salehz@mskcc.org
President Usman Mahmood, MS mahmoodu@mskcc.org
President Elect Neelam Tyagi, MS tyagin@mskcc.org
AAPM Board Representative Cesar Della Bianca, PhD della-bc@mskcc.org
Treasurer Klaus A. Hamacher, PhD hamacher@hephaistos.com
Secretary Jussi Sillanpaa, PhD sillanpj@mskcc.org

RAMPS Membership



On the left - Gathering of RAMPS Presidents in 1988

From Left: Rob Barish, Maynard High, Alan Schoenfeld, Arthur Olsen, Larry Rothenberg, Jean St. Germain, Morris Hodara, Paul Goodwin, Bob Schulz (hidden), Chris Marshall, John Laughlin, Gerry Shapiro, Mort Heller, Mary Ellen Masterson, Ed Nickoloff, Jim Summers



We would like to thank the following RAMPS members for their contributions to make this poster possible:
L. Rothenberg, J. Jeong, Z. Saleh, J. Sillanpaa, J. St. Germain, C. Marshall, D. Fontenla, Y. Pipman, G. Mageras