

Minutes of the 2015 IEEE Nuclear and Plasma Sciences Society (NPSS) Nuclear and Medical Imaging Sciences Council (NMISC) Annual General Meeting

Meeting Date: November 6, 2015; Sunrise Room (Meeting House), Town & Country Hotel, San Diego, CA, USA

Attendance

Voting Members:

Suleman Surti (Past-Chair; ADCOM Representative to IEEE TMI Steering Committee) x

Dimitris Visvikis (Chair) x

Paul Marsden (Vice-Chair) x

(term ending 2015):

Abhijit J. Chaudhari x

Georges El Fakhri x (2014 MIC Chair)

Andrew L. Goertzen x (Secretary, Chair of the Nominations Sub-Committee)

George Loudos (absent)

Taiga Yamaya x

(term ending 2016)

David Brasse x

Anna Celler (absent)

Stefaan Vandenberghe x

Dennis Schaart x

Katia Parodi (absent)

(term ending 2017):

Joyita Dutta x

Jae Sung Lee x

Volkmar Schulz (absent)

Kris Thielemans x

Paul Vaska x

Non-voting:

Newly Elected:

Roger Fulton x

William Jones (absent)

Tom Lewellen x (Chairperson, NSS/MIC JOC)

Emilie Roncali x

Seiichi Yamamoto (absent)

Invited:

Glenn Wells (Chair of the Awards/Fellows Sub-Committee) x

Uwe Pietrzyk (Chair of the Communications (Web) Sub-Committee) (absent)

Joel Karp (Senior Editor TNS) x

Ron Jaszczak (AdCom, term ending 2016) x

Steve Meikle (AdCom, term ending 2018; 2018 MIC Chair) x

Adam Alessio (2015 MIC Chair) x
Maxim Titov (2016 General Chair) x
John Aarsvold (2017 General Chair) x
Anatoly Rozenfeld (2018 General Chair) x
Mike King (ADCOM Representative to the IEEE TMI Steering Committee) x
Ralf Engels x
Merry Keyser (DOE, RISC, Chair JOS Jordanov Award committee) x

Business (meeting started 12:15 pm)

- 1) Introduction and Roll Call
- 2) Agenda unanimously accepted
- 3) Approval of minutes for 14 November 2014 meeting (unanimously accepted)
- 4) Chair's Report to NMISC. Delivered by Dimitris Visvikis.
 - a) Reviewed organizational structure of NPSS (RISC and NMISC) and listed current NMISC Executive Officers.
 - b) Described that each technical committee is requested to contribute technical articles to the quarterly NPSS Newsletter, meaning NMISC is asked about once per year. The article should be two A4 pages with associated figures. The Chair proposes that our ADCOM representatives handle the submission of these articles from members of the NMISC committee.
 - c) Update on status of proposed new Transactions journal:
 - i) Proposed title: IEEE Transactions in Radiation and Plasma Medical Sciences (TRPMS).
 - ii) Major subject areas include: radiation detectors for medical applications; clinical and pre-clinical imaging systems design and performance; image reconstruction methods and data correction techniques; quantitative imaging techniques; therapy related system design, treatment protocols and software developments; dosimetry for radiation based medical applications; plasma biological and medical applications; simulations for imaging and therapy applications; and clinical/preclinical evaluation studies.
 - iii) TRPMS will be co-sponsored 85% by NPSS, 15% by EMBS
 - iv) A survey was conducted in May 2015 of NSS/MIC attendees to evaluate interest. 83% felt subject matter was growing, 80% felt journal would have intellectual interest to them, 62% felt subject matter has personal interest, and 57% said they were likely to read TRPMS. The likely contributors to TRPMS would be: 39% radiation detectors for medical applications; 35% medical imaging systems design and performance; 33% image reconstructions and data corrections; and 10-22% other areas covered by TRPMS.
 - v) Timeline for journal:
 - April 2015: Submission of phase 1 documents.
 - June 2015: TAB meeting, phase 1 approved.
 - July 2015: 3 year budget approved by ADCOM
 - September 2015: Submission of phase 2 documents

- October 2015: Memorandum of Understanding signed with EMBS
 - November 2015: Expected date for IEEE TAB final decision.
- vi) Based on MOU with EMBS, committee structure will be: 4 members from NPSS; 1 member from EMBS; VP Publications; Editor in Chief; and 3 Specialty Editors, covering radiation imaging, radiation therapy, and plasma applications)
- vii) Editorial board is to be established by March 2016.
- viii) Target is to have first issue appear in January 2017.
- ix) Discussion:
- Ron Jaszczak asked about MOU for journal. Dimitris Visvikis said that it will be publically available and that under its terms, EMBS will be covering 15% of the costs of the journal.
 - Joel Karp discussed the timing of the journal. Dimitris said that there would be 8 issues in the first year, 6/year in subsequent years. Joel described that new submissions to TNS may be streamed to the new journal if appropriate.
 - Dimitris can circulate the MOU and proposal documents to anyone who is interested.
- d) Update on IEEE Conference Proceedings issues.
- i) IEEE has stated that a conference proceedings paper and a transactions publication must be substantially different (i.e. <50% overlap).
 - ii) A suggestion has been made that we limit the proceedings paper to a 2 page format, however Dimitris is not sure if IEEE eXplore allows 2 page documents.
 - iii) A possible solution has been proposed that for the 2016 meeting the 2 page summary submitted with the abstract (in standard IEEE two column format) in May becomes the conference proceedings paper. Authors would have an opportunity to update it before the meeting. In principle, this would allow attendees to access the 2 page records prior to the meeting.
- e) Technical Co-Sponsorships
- i) IEEE will be a Technical Co-sponsor of the PET/MR SPECT/MR (PSMR) 2016 meeting, to be held in Köln, Germany 23-25 May 2016. The conference record will be published as a special issue of IEEE TNS.
- f) Review of Bylaws
- i) Changes are proposed to the current structure of the functional sub-committees:
 - Cancel or replace the web functional sub-committee
 - Separate the secretary and nominations sub-committee functions. Suggest that the most recent past chair also serve as chair of the nominations sub-committee (responsible for nominations for the NMISC functions and awards).
 - Add the 'procedures manual' put in place by Glenn Wells for the functioning of the awards sub-committee.
 - Put in place a procedure to handle a tie in the NMISC elections.
 - ii) Request made for volunteer to push forward bylaw changes.
- g) Dimitris thanked the committee for their support during his time as Chair. As of 1 January 2016 Paul Marsden will take over as NMISC Chair, with Dimitris moving to Past-Chair.

- 5) Report by Chair of NMISC Awards-Fellow Sub-Committee. Delivered by Glenn Wells.
 - a) Bruce Hasegawa Young Investigator Award
 - i) 3 nominations received. All very good candidates. Winner is Se Young Chun, Ulsan National Institute of Science and Technology, South Korea. "For contributions to image reconstruction methods in the presence of object motion."
 - b) Edward J Hoffman Medical Imaging Scientist Award
 - i) 2 nominations submitted for 2015. Winner is Michael King, University of Massachusetts Medical School, USA. "For contributions to clinical nuclear medicine imaging, especially compensation for realistic physical effects and motion in image reconstruction, emission and transmission imaging geometries, and task-based evaluation methods."
 - c) Glenn raised the issue of there being a low number of nominations for awards and asking whether we should be concerned about this.
 - i) Ron Jaszczak pointed out that some committees carry forward nominations for multiple years and that we could consider doing this to increase the number of applicants under consideration.
 - ii) Steve Meikle mentioned that there is a low number of IEEE Fellows in our technical area and suggested that efforts be made to nominate more Fellows.
- 6) Election of new Vice-Chair. Run by Andrew Goertzen.
 - a) Under our bylaws, we require two candidates to stand for election. The candidates were Jae Sung Lee and Dennis Schaart.
 - b) Jae Sung Lee was elected as the new Vice-Chair.
 - c) Dennis was thanked for running in the election.
- 7) Status of 2015 NMISC Election. Delivered by Andrew Goertzen
 - a) Each year 5 new members are elected to NMISC for 3 year terms. Under our bylaws, we require at least 8 candidates to stand for election. All NPSS members are eligible to vote in the election.
 - b) This year there were 11 candidates, with an effort made to be geographically diverse in soliciting nominations.
 - c) The five newly elected NMISC members are: Roger Fulton, William Jones, Tom Lewellen, Emilier Roncali and Seiichi Yamamoto.
- 8) 2014 NSS/MIC Final Report
 - a) Report submitted by Georges El Fakhri. No discussion due to time limitations.
 - b) 1965 attendees, 1594 presentations (636 for MIC).
 - c) First fully paperless format meeting for NSS/MIC.
 - d) Attendees/submissions ratio stable at 1.20.
 - e) 23% response rate on meeting survey.
 - i) Global satisfaction excellent (91%)
 - f) Large number of entry visa problems, particularly for Chinese attendees.
- 9) 2015 NSS/MIC Status. Delivered by Adam Alessio.

- a) 519 abstracts submitted to MIC, 463 accepted. 11% rejection rate. 104 orals, 359 posters.
- b) 1886 registered participants. 1359 total submitted abstracts.
- c) Submissions by region: 38% North America, 39% Europe, 21% Asia/Pacific, 2% other.
- d) New this year:
 - i) Refresher Courses “Current and Future Potential” Talks 7:30-8:30AM.
 - ii) Four independent poster sessions.
 - iii) Program limited to Wednesday to Saturday for MIC.
 - iv) Revised paper review criteria: Technical Merit, Originality and Innovation, Significance.

10)2016 NSS/MIC Status, to be held in Strasbourg, France. Delivered by Maxim Titov

- a) MIC Chair will be Dimitris Visvikis, Co-Chair Suleman Surti, Joint-Session Chair is David Brasse, Treasurer is Tom Lewellen.
- b) Social program is in place.
- c) The construction of the congress centre is on track to meet the timelines of the meeting.

11)2017 NSS/MIC Status, to be held in Atlanta, USA. Delivered by John Aarsvold.

- a) Venue is Hyatt Regency Atlanta in downtown Atlanta.
- b) Organizing committee selected. MIC Chair is Lars Furenlid, Co-Chair Matthew Kupinski.

12)2018 NSS/MIC Status, to be held in Sydney, Australia. Delivered by Anatoly Rozenfeld.

- a) Meeting chairs are now in place. MIC Chair will be Steve Meikle, Deputy Chair will be Taiga Yamaya. Roger Fulton will be the local arrangements chair.
- b) Prices for the meeting should be comparable to the Atlanta meeting.

13)Report by Chair of NMISC/RISC Joint Oversight Sub-Committee. Delivered by Tom Lewellen.

- a) Manchester, UK has been confirmed at the 2019 NSS/MIC location by both NMISC and RISC.
- b) Richard Lanza will take over as JOS Chair beginning 1 January 2016.

14)NPSS awards. Delivered by Merry Keyser.

- a) The family of Glenn Knoll has proposed a donation to the NPSS that they would like to see directed to an award, preferably for undergraduates.
- b) The committee voted unanimously to accept the donation and create a new award. Details about the award are to be determined.

15)Report on NPSS AdCom Activities. Delivered by Ron Jaszczak.

- a) Ron raised the issue that some NPSS Technical Committees have a limited amount of funds available to provide travel support for their committee members that do not have institutional or other external funding to support travel to attend Technical Committee business meetings.
- b) Ron asked that NMISC propose that NPSS AdCom approve a motion that NPSS provide funding (he suggested up to \$4,000) per year, if needed, for NMISC to provide travel support for members without institutional or external support for travel to NMISC business meetings.
- c) This matter was tabled for discussion.

16) Meeting adjourned. 14:15.