

Minutes of the 2016 IEEE Nuclear and Plasma Sciences Society (NPSS) Nuclear Medical and Imaging Sciences Council (NMISC) Annual General Meeting

Date: Friday, 4 November 2016

Location: Rome Room, Palais de la Musique et des Congrès, Strasbourg, France

Attendance:***Voting Members:****Executive*

Paul Marsden (Chair; 2019 NSS-MIC General Chair)

Dimitris Visvikis (Past Chair; 2016 MIC Chair; IEEE TRPMS Editor in Chief; Chair, Awards-Fellows Sub-Committee)

Jae Sung Lee (Vice-Chair)

Term ending 2016:

Anna Celler (absent)

Stefaan Vandenberghe

Dennis Schaart

Katia Parodi (absent)

David Brasse

Term ending 2017:

Joyita Dutta

Jae Sung Lee

Volkmar Schulz (absent)

Kris Thielemans

Paul Vaska (absent)

Term ending 2018:

Roger Fulton

William F. Jones

Tom Lewellen

Emilie Roncali

Seiichi Yamamoto

Non-voting:

Andrew Goertzen (NMISC Secretary; NMISC JOS Representative 1/1/2016-12/31/2017)

Newly elected (term ending 2019):

Dimitra Darambara

(2019 MIC Chair)

Cristina Lois

Charalampos (Harry) Tsoumpas

Larry Zeng

R. Glenn Wells

Invited:

Joel Karp (TNS Senior Editor for Nuclear Medical and Imaging Sciences)

Ronald Jaszczak (AdCom Representative 1/1/2014-12/31/2016)

Steve Meikle (AdCom Representative 1/1/2015-12/31/2018; 2018 MIC Chair)

Vesna Sossi (AdCom Representative 1/1/2017-12/31/2020; 2015 General Chair)

Adam Alessio (2015 MIC Chair; NMISC member to NPSS Conferences Committee)

Maxim Titov (2016 General Chair)

Suleman Surti (2016 MIC Deputy Chair; NMISC JOS Representative 1/1/2016-12/31/2018; AdCom representative to the IEEE TMI steering committee; 2019 MIC Co-Chair)

Taiga Yamaya (2018 MIC Co-Chair)

Matthew Kupinski (2017 MIC Co-Chair)

John Aarsvold (2017 General Chair)

Lars Furenlid (2017 MIC Chair)

Richard Lanza (JOS Chair)

Alberto Del Guerra (JOS Vice-Chair)

Mike King (AdCom Representative to the IEEE TMI Steering Committee)

Nuno Matela (PSMR 2017 Organizing Committee)

Merry Keyser (Chair, Valentin T. Jordanov Award)

Chiara Guazzoni (RISC Elected Member)

Lorenzo Fabris (RISC Vice-Chair; 2017 NSS Chair)

Business (meeting started at 12:25)

1. Introduction and roll call.
2. Adoption of agenda. Unanimously accepted.
3. Approval of minutes for 6 November 2015 meeting. Unanimously approved.
4. Chair's Report to NMISC. Delivered by Paul Marsden.
 - 4.1. Reviewed organizational structure of NPSS (RISC, NMISC, JOS, JES plus other technical committees). Described NMISC website and reviewed list of NMISC executive officers. Reminded members that website has available the Constitution and By-laws of NMISC.
 - 4.2. Described recent changes to NMISC positions:
 - a. Vesna Sossi will be the new AdCom representative with a 4 year term starting 1/1/2017, taking over from Ron Jaszczak.
 - b. Andrew Goertzen will step down as secretary and be replaced by Emilie Roncali starting 1/1/2017.
 - c. Andrew Goertzen and Suleman Surti are the JOS members from NMISC.
 - 4.3. Congratulated Alberto Del Guerra on being recognized as an NPSS Distinguished Lecturer.
 - 4.4. An NPSS Conferences Committee has been established. The NMISC representative is Adam Alessio.
 - 4.5. Paul raised the issue of frequency of meetings. As described by Paul, interaction within NMISC is fairly small for elected members. It is a goal of his to increase involvement in all NMISC activities including those related to NSS/MIC. He described how RISC has initiated several Webex Teleconference meetings throughout the year, normally scheduled 2-3 weeks prior to AdCom meetings, with agendas being in essence a compressed version of the AGM agenda providing updates on committees, conference status and any other initiatives. Paul proposes that this approach be trialed in the coming year for NMISC beginning in March.
 - 4.6. Creation of new sub-committees: Paul proposed to create two new subcommittees and is asking for members to volunteer. These sub-committees are:
 - a. Sub-committee to perform a 5-yearly review of by-laws. Expectation is to report back before March 2017 AdCom meeting.
 - b. Sub-committee to develop procedure to resolve ties in NMISC elections.

4.7. RISC motion on NSS/MIC Conference Software.

- a Chiara Guazoni and Lorenzo Fabris from RISC contacted NMISC to open a discussion regarding the software used for the NSS/MIC conference. On behalf of RISC, they presented this statement:

"The RISC committee is very concerned about the 2017 NSS/MIC committee's unexpected decision to begin a software development activity to replace the current paper submission and review software system commonly referred to as the "Bo Yu Software." This level of activity should be managed by a qualified RISC/NMISC subcommittee, as it will affect all NSS/MIC conferences. The need for a software replacement activity of this magnitude shall be the joint responsibility of RISC and NMISC and require prior approval of these committees before undertaking any activity. At this time, Bo Yu has committed to supporting future NSS/MIC conferences that request his software and support, therefore, there is currently no need for a software replacement activity in the foreseeable future."

- b. There was an extensive discussion on this topic.
- John Aarsvold, 2017 General Chair, provided background on this topic, stating that there are limitations to the current software as regards database interfacing and extraction, which results in significant amounts of manual intervention being required. This raises concerns about forward compatibility of the software. He described how they had recently evaluated software products for the Society of Nuclear Medicine (SNM) meeting and described how commercial products compare to Bo Yu's software. Any new software chosen would need to be ready for testing by February in order to be validated by the May abstract submission timeframe. John favours moving to a new software platform for the 2017 meeting.
 - Steve Meikle and Alberto Del Guerra both advocated for looking at a bigger picture approach and involving AdCom since this is a Society/IEEE wide problem.
 - There was discussion about whether two sets of software should be run in parallel for the next meeting, with mixed commentary of whether this is a good idea or not. The general concerns about continued use of the existing software is that it is supported by a single individual and that it provides challenges for session building process. There were concerns expressed by Lorenzo about whether new software could support the topic convenor functions.
 - The role of RISC and NMISC in a software selection process was discussed, possibly through a joint sub-committee. Dimitris Visvikis suggested that the bylaws might be modified to account for larger conference management process. Merry Keyser suggested that there may be benefit to involving the AdCom software committee.
- c. A motion to form a sub-committee to study the conference software question was moved by Kris Thielemans, seconded by Dimitris Visvikis. The motion was passed unanimously.

4.8. Paul thanked members of the committee who were stepping down or finishing their term.

5. Sub-Committee Reports

5.1. Report by Chair of the NMISC Awards-Fellows Sub-Committee. Delivered by Dimitris Visvikis.

- a Bruce Hasegawa Young Investigator Medical Imaging Scientist Award. There were 4 applications this year. The winner was Joyita Dutta, University of Massachusetts Lowell, with the citation "For contributions to image reconstruction and analysis for molecular and multimodality imaging in the areas of positron emission tomography (PET/CT and PET/MR) and fluorescence tomography."
- b Edward J. Hoffman Medical Imaging Scientist Award. There were 8 applications this year. The winner was David Townsned, A*STAR-NUS Clinical Imaging Research Centre,

Singapore, with the citation “For pioneering contributions to the field of applied medical physics by innovating, managing and introducing new imaging instrumentation and scientific contributions to data acquisition, image reconstruction and imaging system design.”

- c. Dimitris and Paul Marsden reminded committee members to consider nominating NMISC members for Fellow status in the IEEE.

5.2. Secretary’s Report. Delivered by Andrew Goertzen

- a. This is a new agenda item for this year, meant to inform and remind members of any non-routine motions passed by the NMISC during the year. This year there were no non-routine motions
- b. In the past the average tenure of a NMISC Secretary has been 4-5 years. In order to increase opportunity for involvement of members in NMISC, moving forward the Secretary will be appointed to a 2 year term, starting in an alternating year as the new chair in order to provide overlap. Implementation requires only input of the Chair since the Secretary is appointed by the chair.
- c. Emilie Roncali will be assuming the NMISC Secretary role for a 2 year term from 1/1/2017 to 12/31/2018.

5.3. Jordanov Award Report. Delivered by Merry Keyser, Chair of Jordanov Award Committee.

- a. In 2016 there were 59 applicants (same as in 2015), 21 semi-finalists and 8 finalists. The selection committee is the Chair plus 3 RISC and 3 NMISC members. The award recipients for 2016 were Joshua Cates, Stanford University, USA, Chen-Ming Chan, Stanford University, USA, Stefan Diehl, University of Giessen, Germany, Ivelina Dimitrova, Sofia University, Bulgaria, Keiki Kojima, Yamagata University, Japan, Christoph Krieger, University of Bonn, Germany, Konstantinos Mountris, Université de Bretagne Occidentale, France, and Veronica Regazzoni, University of Trento, FBK, Italy.
- b. Merry asked if the three NMISC members were willing to continue on the selection committee for next year, receiving positive responses from each.

6. Status of 2016 NMISC Election

6.1. NMISC Member Election. Delivered by Andrew Goertzen

- a. Each year 5 NMISC members are elected for 3 year terms. This year there were 13 candidates for the 5 elected member positions. The newly elected members, with terms beginning 1/1/2017, are Dimitra Darambara, Cristina Lois, Charalampos (Harry) Tsoumpas, Larry Zeng and Glenn Wells.

6.2. NPSS AdCom Member Election. Delivered by Dimitris Visvikis

- a. NMISC elects on member every 2 years for a 4 year term on AdCom. There were two candidates for this year’s election. The winner is Vesna Sossi, for a term beginning 1/1/2017.

7. Report on NPSS AdCom Activites. Delivered by Steve Meikle

7.1. Described the structure, composition and role of AdCom in NPSS. AdCom meets three times per year, March, July and November.

7.2. Highlights from Treasurer’s Report:

- a. Publication revenue has been declining from approximately 8% to 3-4% but is still good compared with competitors. There is variability in the amount that conference return to NPSS, with some returning 50% (more than 2x budgeted) and other returning 5% (only 20% of budgeted return).
- b. Steve reminded the committee that each year NPSS can use 50% of the previous year’s operating surplus on initiatives, with the other 50% going into reserves. He encourages us

to consider suggestions for new initiatives that could be financed by these funds made available from NPSS.

7.3. Highlights from President's Report

- a. NPSS reports to the Technical Activities Board (TAB). The TAB has revenue of \$420 million, representing 75-80% of all IEEE revenue.
- b. A memorandum of understanding (MOU) was signed in February 2016 to create the IEEE Transactions in Radiation and Plasma Medical Sciences (TRPMS). The steering committee will consist of 3 from medical imaging, 1 from plasma sciences and 1 from EMBS. Dimitris Visvikis has been appointed Editor in Chief of the new journal.
- c. The IEEE Board of Directors has launched an initiative called IEEE 2030 to look at the long term vision for IEEE.
- d. Simon Cherry was awarded the 2016 Marie Sklodowska-Curie award with the citation "For contributions to the development and application of in vivo molecular imaging systems."

7.4. Fellows Committee Chair Report

- a. There were 12 candidates in for Fellow status in NPSS in 2016. None of these were from RISC or NMISC areas. Steve strongly encourages us to nominate eligible and qualified members.

7.5. Proposed changes to Jaszczak Graduate Scholarship Award

- a. Will be changed from 3-year award to 1 award per year.
- b. Requirement of US citizenship will be eliminated.
- c. Increase maximum eligibility age to 35 years old.
- d. Allow nominees from both universities and research institutes.
- e. Simplify the nominee review process.
- f. Allow for increasing award amount in the future should IEEE Foundation increase the maximum allowable amount for this type of award in the future.

8. Report on society sponsored journals. Delivered by Dimitris Visvikis.

- 8.1. IEEE Transactions on Radiation and Plasma Medical Sciences (TRPMS) is now accepting manuscripts and will publish a first issue in 2017. Medical related submissions to TNS are being directed to TRPMS.

9. Report by Chair of NMISC/RISC Joint Oversight Sub-Committee (JOS). Delivered by Dick Lanza.

9.1. Site selection for 2020.

- a. Original charge was preference for Northeast US. Five sites are under consideration: Baltimore, Boston, Chattanooga, Montreal and Philadelphia.
- b. The recommendation to JES is to short-list three sites for site visits: Baltimore, Boston and Philadelphia.

9.2. Sites selection for 2021.

- a. JES is suggesting 'Pacific Rim', with possibilities of San Francisco, Vancouver, Anchorage, Japan or Hawaii.

- 9.3. Both current NMISC members on JOS have terms of 1/1/2016 to 12/31/2017. NMISC bylaws state that one member should be elected each year for a two year term, thus providing overlap. Dimitris Visvikis moved, seconded by Kris Thielemans, to extend the term of Suleman Surti for 1 year in order to allow for this overlap moving forward. This motion was carried unanimously.

10. Technical co-sponsorship of 2017 PS MR meeting. Presented by Nuno Matela.

- 10.1. Pedro Almeida and Nuno Matela from the organizing committee for the 6th Conference on PET-MRI and SPECT-MRI (PS MR 2017) have made a request for IEEE Technical Co-sponsorship of this meeting. This has been done for previous PS MR meetings. There is already

an agreement in place for proceedings from PSMR 2017 to be published in TRPMS. NMISC must approve the Technical Co-Sponsorship request so that it can be presented to AdCom.

- 10.2. Paul Marsden moved, seconded by Dimitris Visvikis, that NMISC support approval of IEEE Technical Co-Sponsorship of PSMR 2017. The motion was carried unanimously.
11. Report on the 2015 NSS/MIC – San Diego. Delivered by Adam Alessio.
 - 11.1. The MIC program was a success, with 519 abstract submissions and 463 presentations (11% rejection rate). The topic conveners were felt to be a great success.
 - 11.2. The conference was a financial success, returning \$376k to IEEE.
 - 11.3. There were concerns about the delay in publication of the conference proceedings.
12. Report on the 2016 NSS/MIC – Strasbourg. Delivered by Dimitris Visvikis, Maxim Titov.
 - 12.1. Maxim stated that there were a total of 2150 registrants plus 250 companions. There had been 1562 submissions to the combined NSS/MIC.
 - 12.2. The geographical breakdown was: North America: 28.1% submissions, 24.1% attendees; Europe: 51.8% submissions, 57.1% attendees; South America: 0.8% submissions, 0.2% attendees; and Asia/Pacific: 20.3% submissions, 18.5% attendees.
 - 12.3. For MIC there were 570 abstracts, with reviews coordinated by 27 topic conveners using >300 reviewers.
13. Report on the 2017 NSS/MIC – Atlanta. Delivered by Matthew Kapinski
 - 13.1. Program is developing. MIC talks will be 15 minutes plus 3 minutes for questions. Each session will be 6 18-minute slots.
 - 13.2. There is discussion about having the MIC opening plenary on Tuesday afternoon. Proposes to have add on workshop on brain imaging systems.
 - 13.3. The first plenary speaker has been invited and accepted: Jack Hoppin, Founder of inviCRO.
 - 13.4. Student support grant has been submitted to NIH. Other logistical pieces are coming together on schedule.
14. Report on the 2018 NSS/MIC – Sydney. Delivered by Steve Meikle
 - 14.1. Site venue, ICC Sydney Convention Centre, scheduled for opening in December 2016. There is an active promotion plan in place, with a goal of attracting 600-700 delegates from Asia.
 - 14.2. Steve detailed the range of hotel options within walking distance of the venue.
15. Report on the 2019 NSS/MIC – Manchester. Delivered by Paul Marsden.
 - 15.1. Venue will be Manchester Central Conference Centre, which is the old rail station.
 - 15.2. Paul Marsden has been proposed as the General Chair. Both JOS and RISC have confirmed this choice. It was moved by Kris Thielemans, seconded by Roger Fulton, that NMISC accept Paul Marsden as General Chair for the 2019 meeting. The motion passed unanimously.
 - 15.3. The proposed meeting committee is Deputy Chair: Patrick Le Du; MIC Chair: Dimitra Darambara; MIC Deputy Chair: Suleman Surti; NSS Chair: Cinzia Da Via; Deputy NSS Chair: Yoshinobu Unno; Local Arrangements Chair: Paul Nolan.
 - 15.4. A strong local organizing committee is in place.
16. Adjournment
 - 16.1. Meeting ended at 14:35.