



MINUTES OF THE 2017 IEEE NUCLEAR AND PLASMA SCIENCES SOCIETY (NPSS) NUCLEAR
MEDICAL AND IMAGING SCIENCES COUNCIL (NMISC) TELE CONFERENCE

DATE: THURSDAY, MAY 4, 2017, 22:00-23:00

LOCATION: ONLINE

Voting Members:

Executive

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

Jae Sung Lee (Vice-Chair)

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

Term ending 2017:

Joyita Dutta

Jae Sung Lee

Volkmar Schulz

Kris Thielemans

Paul Vaska

Term ending 2018:

Roger Fulton (absent)

William F. Jones (absent)

Emilie Roncali (NMISC Secretary)

Seiichi Yamamoto (absent)



Newly elected (term ending 2019):

Dimitra Darambara (2019 MIC Chair)

Cristina Lois

Charalampos (Harry) Tsoumpas

Larry Zeng

Glenn Wells

Non Voting Members:

Steve Meikle (Adcom representative)

Vesna Sossi (Adcom representative)

Stefan Ritt (NPSS chair)

Lorenzo Fabris (RISC chair)

Anatoly Rosenfeld (2017 General Chair)

Alberto del Guerra (JOS Vice-Chair)

Richard Lanza (JOS Chair)

John Aarsvold (2017 General Chair)

Lars Furenlid (2017 MIC Chair)

Merry Keyser ([Valentin T. Jordanov Award Committee Chair](#))

1. Introduction and roll call.
2. Review and adoption of agenda. Unanimously accepted.
3. Approval of minutes from AGM 11/4/2016. Unanimously accepted.
4. Member roster & Chair's report to NMISC. Delivered by Paul Marsden.
 - 4.1. Reviewed member roster and positions.
 - 4.2. Reviewed organizational structure of NPSS (RISC, NMISC, JOS, JES plus other technical committees). Described NMISC website and reviewed list of NMISC executive officers. NMISC group on basecamp will be reactivated and members will receive an invitation in May/June 2017.



4.3. Reviewed new subcommittees:

- Sub-committee chaired by Jae Sung Lee (NMISC vice chair) to perform 5-year review of by-laws. Will recruit 4 volunteers.
- Sub-committee chaired by Cristina Lois to develop procedure to NMISC resolve election ties. 2 volunteers needed.
- Sub-committee to test conference software and identify all issues and options, as proposed at AGM in November 2016. This is a joint committee between NMISC and RISC, conference chairs. One of the reasons to form this committee was the lack of consultation at the time of the decision to change software for the conference, as acknowledged by 2017 General Chair John Aarsvold. Several meetings have occurred since the last AGM and the interface developed by EventClass will be used for the NSS/MIC 2017 and 2018 meetings. There is an ongoing discussion with 2017 conference chairs (Lorenzo Fabris for NSS, Lars Furenlid for MIC), to ensure that questions from topic conveners in particular are addressed.

4.4. Discussed the role of RSTD in future conferences. RISC is responsible for making a decision on whether RSTD continues to side NSS and MIC conferences. It was suggested that NMISC members participate in the decision process.

5. Sub-committee reports.

5.1. Awards-Fellows Sub-Committee. Dimitris Visvikis absent.

5.2. Jordanov Award Report. Delivered by Merry Keyser, Chair of Jordanov Award Committee. Scholarships are already open and she encouraged supervisors to promote it within their students and junior investigators.

6. Secretary's report. Delivered by Emilie Roncali

- Reminded members that secretary's report is a new agenda item added last year, with the purposes of:
 - Informing and/or reminding NMISC members of motions that occurred throughout the year
 - Entering this information in the minutes to formalize the record of non-routine motions
- Reminded members that the secretary position is now appointed by chairperson for 2 years, starting in an alternating year as the new chair. Emilie Roncali will assume that role from 1/1/17 to 12/31/18, assisting Chair Paul Marsden in 2017 and Chair Jae Sung Lee in 2018.
- Non-routine motion since 2015: Formation of a sub-committee to work on the new NSS/MIC conference software. Voted November 4th, 2016. This follows the discussion during the annual NMISC meeting (see 2016 minutes).



5. Status of 2017 NMISC election of new members. Delivered by Emilie Roncali.

There are five positions to fill, and eight candidates needed to satisfy the 1.5 x positions candidate rule. As of May 4th, 2017, 8 candidates are confirmed, and 2 additional candidates have been contacted. All have received instructions in submitting their application to Emilie Roncali by May 31st. One complete application with biosketch and statement has been received. It was recommended by Andrew Goertzen to limit the number of candidates for ease of the vote; in 2016 there were 13 candidates for 5 positions which seemed too much. This year the secretary is aiming at no more than 10 candidates.

6. Report on NPSS AdCom activities. Delivered by Vesna Sossi and Steve Meikle.

- The AdCom meeting was held in March 2017, with Stefan Ritt as the new NPSS president.
- Report by Vesna Sossi. A higher participation of NMISC members would be welcome to provide various inputs to the NPSS. Interested members who have initiatives to suggest can contact the Chair. A discussion of projects can be also initiated by email or using basecamp once the group is reactivated. Funding would be available to support some projects. Activities may include writing a newsletter, which Joyita Dutta (2016 Bruce Hasegawa awardee) is currently doing for the September issue.
- There seems to be a drop in IEEE membership after students graduate or postdoctoral leave their laboratory. Questions on how to make IEEE membership more attractive and relevant to modern multitasking, short term task work organization were raised. This topic is proposed as an item for discussion in future meetings.
- There seems to be a gender disparity, which could also constitute an item for discussion.
- Report by Steve Meikle. Strengthening the presence of the IEEE NPSS on social media was proposed. There is an existing facebook page that requires more active participation from NPSS members, but already has 4k followers and therefore has a great reach-out potential. Typical participation includes posting student awards pictures and news, deadline for conferences. Twitter could also be an active channel for NPSS. The new social media liaison is Martin Grossmann.
- IEEE dataport is an IEEE hosted data repository up to 2 TB per dataset that can facilitate different analysis methods for data. It contains referenceable data for reproducible research. It is based on a subscription model (\$480). It was mentioned by Kris Thielemans that CERN has a similar yet free option.

7. Society sponsored journals. Presentation slides provided by Dimitris Visvikis, not present.

- The first issue of the new IEEE Transactions on Radiation and Plasma Medical Sciences (TRPMS) was published in January 2017. It contained 1 editorial and 11 research papers. 70% of papers concerned radiation imaging, 25% were on radiotherapy, and 5% on plasma medicine. There was a relatively low number of submissions (8-10 per month). The average time from submission to first decision was 58 days.



- The journal is linked to the following conferences: IWPCT 2017, PSMR 2017, Fully 3D meeting, and will be presented at ICOPS 2017 and EMBC 2017.
- There are 3 invited reviews and one editorial in progress: “The past, present and future of plasma medicine” (D Graves, July 2017), “State of the art in image guided radiation therapy” (K Parodi; September 2017), “Pushing the limits of TOF in PET imaging” (P Lecoq; November 2017), and “Innovations in radiation imaging hardware and software developments” (J Karp, R Carson; May 2017) .

8. Joint Oversight Sub-Committee (JOS). Delivered by Dick Lanza.

There were 2 nominations for the 2021 NSS/MIC general chair. The JOS operation seem unclear because the rules simply say to find a site and nominees. It was suggested by Dick Lanza that the JES needed to revise the by-laws to provide more clearer guidance. Chair Paul Marsden recommended to have an offline follow up discussion on this point. Alberto del Guerra wished to see more nominees for the General Conference Chair, after the nominees have agreed to the task in a private communication with the nominator Paul Marsden specified that NMISC, who is the lead committee for 2021, has prepared a list.

9. Conferences

2016 NSS/MIC – Strasbourg. Delivered by Paul Marsden.

Paul Marsden will circulate a presentation prepared by Patrick LeDu, General Chair 2016.

2017 NSS/MIC – Atlanta. Delivered by John Aarsvold and Lars Furenlid.

- The organizing committee is composed of John Aarsvold (GC), Ralph Engels (deputy GC), Lorenzo Fabris (NSS Program Chair), Sara Pozzi (deputy NSS Program Chair), Lars Furenlid (MIC Program Chair), Matthew Kupinski (deputy MIC Program Chair), Ron Keyser (treasurer), Christina Sanders (Registration Chair), Youngho Seo and Jennifer Huber (short course directors), Tom Lewellen (Mobile app coordinator), Ralph James (RTSD Program Co-Chair), Michael Fiederle (RTSD Program Co-Chair), Charles C. Watson (Industrial Program Chair), Merry Keyser (Scholarship Chair), Janet Reddin (Conference Editor), Margaret Woody and Nancy Watson (Excursion Co-Director), Bo Yu (webmaster).
- Report from John Aarsvold, 2017 General Chair. Everything is on schedule. The actual performance of the EventClass interface will be tested with the abstract submission deadline May 8th, and then with abstracts assignments for reviews, reviews submission, access from the topic conveners, and program building. John Aarsvold encouraged to provide as much feedback on the software interface as possible to improve it and guide the choice of future chairs. The reviewer database has been updated to remove former reviewers who no longer work in the field, and there is a shortage of reviewers. NMISC members can help with recruiting more reviewers. Invitation emails will be sent through the website again soon.



- The organizing Committee Program Development is meeting on June 23-24 to finalize the abstract program. Organization is progressing well, with industrial program, excursions, special events, short courses and workshops planned.
- There are ongoing technology developments for the presentation rooms, computer room, presentation upload and distribution (Stefan Ritt specified that a dropbox automatic sync should facilitate this step).
- Report from Lars Furenlid. There are 26 topic conveners, and so far 7 graduate students recruited to run the rooms and help with general organization. A NIH /NIBIB R13 grant of \$13k was submitted to support attendees with disabilities and also support child care with the goal of reducing inequalities. The MIC program contains 12 core areas, including photon counting and low dose CT to reflect surveys conducted among MIC 2016 attendees on topics of interest. Plenary sessions are confirmed. MIC dinner will focus on interactions rather than animations this year, with the goal of promoting connections amongst attendees.

2018 NSS/MIC – Sydney Delivered by Anatoly Rozenfeld and Steve Meikle.

- There was a successful organizing committee meeting in Sydney on April 6-8th. Preliminary scientific program has been discussed by co-Chairs of NSS and MIC. The committee was impressed with the International Conference Center that opened in December 2016. Three companies have been interviewed to organize the industrial exhibition and provide poster boards.
- There are intensive negotiations for hotel arrangements with a recent change to provide better rates with an average less than \$190 / room.
- Social Programs: 2 different tours each day with repetition in other days and pre- and post- conference tours will be offered.
- A travel agent will be presented each day at the conference (free of charge) to provide with airfares/post and pretours.
- The conference web page is planned to be operational by the end of September 2017. Abstract submission website will be the same as in Atlanta.
- New educational courses will be offered (Organic Semiconductor Detectors; Detectors for Dosimetry in Radiation Therapy)
- RTSD will be run as usual (expected sponsorship for RTSD lunch/dinner)



- There was a discussion on oral presentations duration. NSS is switching to 18 min talks; Steve Meikle and Anatoly Rosenfeld were not in favor of such “long” presentations because it would reduce the number of slots for oral presentations. An offline discussion in this topic will be initiated soon.

2019 NSS/MIC – Manchester. Delivered by Paul Marsden.

- Paul Marsden is GC for 2019, Patrick Le Du is deputy GC, Dimitra Daramba and Suleman Surti are MIC program chairs, Cinzia Da Via & Yoshinobu Unno are NSS chairs, Ron Keyser is treasurer, Paul Nolan is responsible for local arrangements.
- Paul Marsden reported that contracts for the venue are now completed. The conference center is ideally located in the heart of Manchester, with a wide range of hotels. Unlike meetings in the US., the cost of the venue must be included in the budget.
- The IoP conference service will be used to support the organization.

2020 NSS/MIC – Boston. Delivered by Dick Lanza.

- The chosen conference site is the Boston Westin Seaport Hotel and Convention and Exhibition Center. Other considered sites were Philadelphia and Baltimore. One of the criteria was that the Convention center is very well situated in Boston with just an 8-min free transportation from the International Airport. A large academic medical community in Boston, and general attractiveness of the city of Boston. The comparison of the candidate sites is available and has been circulated by Paul Marsden to the NMISC members before approval of the site. The conference will be held Oct 29th- Nov 5th, and the General Chair and Treasurer will be chosen by RISC in the first 2 weeks of May 2017. There were two nominations for the General Chair. Preliminary contracts have been prepared.

2021 – To be determined. Delivered by Dick Lanza.

The JOS has instructed to search locations on the pacific rim, which includes potential sites in San Francisco, Vancouver, Japan, Hawaii, Portland. NMISC is the lead committee for the 2021site search.