



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

DATE: FRIDAY, OCTOBER 27<sup>T</sup>, 2017, 12:00-2:00

LOCATION: ATLANTA, GA USA

***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 (absent)

Kris Thielemans

Paul Vaska

*Term ending 2018:*

Roger Fulton

William F. Jones (absent)

Emilie Roncali (NMISC Secretary)

Seiichi Yamamoto



*Term ending 2019:*

Dimitra Darambara (2019 MIC Chair)

Cristina Lois

Charalampos (Harry) Tsoumpas (absent)

Larry Zeng

Glenn Wells

***Non Voting Members:***

Steve Meikle (Adcom representative)

Vesna Sossi (Adcom representative)

Stefan Ritt (NPSS chair) (absent)

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 Tele conference 05/4/2017. Unanimously accepted.
4. Member roster & Chair's report to NMISC. Delivered by Paul Marsden.
  - 4.1. Reviewed member roster and positions. Welcome newly elected members (term starting January 1st, 2018):  
*Kira Grogg, Mathieu Hatt, Nicolas Karakatsanis, Andrew Kyme, Christoph Lerche.*
  - 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. Emphasized the role of new members, and how discuss how to engage new members to volunteer.
  - 4.3. Reviewed subcommittees:



- Sub-committee chaired by Jae Sung Lee (NMISC vice chair) to perform 5-year review of by-laws.
  - Sub-committee chaired by Cristina Lois to develop procedure to resolve election ties. Larry Zeng to help.
- 4.4. Discussed the role of RSTD in future conferences. In the prior meeting it was suggested to involve NMISC members in this discussion. This has been done, Dimitra Darambara is part of the committee together with Lorenzo Fabris.

5. Secretary's report. Delivered by Emilie Roncali

- Reminded members the role of the secretary's report: Informing and/or reminding NMISC members of motions that occurred throughout the year. No non-routine motion this year.
- 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.

6. 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. New members were welcome by Chair Paul Marsden. Andre Kyme was the only member-elect present at the meeting.

7. Sub-committee reports.

7.1. Awards-Fellows Sub-Committee. Delivered by Dimitris Visvikis. Presented the 2017 awardees:

- Bruce Hasegawa young investigator award: 4 applications; Hadi Fayad, University of Western Brittany, France for contributions to the field of patient motion management in radiotherapy and multimodality imaging applications.
- Edward J Hoffman Medical Imaging Scientist Award: 3 applications; Richard Carlson, Yale University PET Center, New Haven, USA for contributions to quantification in PET including image reconstruction, tracer kinetic modeling techniques, and development and application of mathematical and statistical methods for novel radiopharmaceuticals.
- Emphasized the need for more nominations, only 3 for the Ed Hoffman award in 2017 against 7 in 2016. Nominators should be more encouraged to re-nominate, although Dimitris already provides feedback. It was suggested creating a small group to identify potential candidates and seek nominators.

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

- In 2017, there were 69 Applicants which is an increase from 2016, maybe due to the use of the new submission software when applications for the award were automated by a default-checked tick box. , 26 Semi-Finalists, 8 Finalists. Awardees: Joshua Cates – Stanford University, USA; Jeremy Davis – University of Wollongong, Australia; Daniel Hellfeld – University of California, Berkeley, USA; Francis Laignon-Houle – Université de Sherbrooke, Canada; Negar Omidvari – TU Munich, Germany; Miguel Sofo Haro – Balseiro Institute, Argentina; Li Tao – Stanford University, USA; Elena Maria Zannoni – University of Illinois, USA.
- Need to confirm 3 RISC and 3 NMISC members for the 2018 selection process. Glenn Wells, Paul Vaska, and Dimitris Visvikis (all NMISC) agreed to be part of the 2018 selection process.



8. Report on NPSS AdCom activities. Delivered by Vesna Sossi.

- The next AdCom meeting will be held on October 28<sup>th</sup> 2017 (3 meetings/year). It represents 8 technical committees (TCs). NMISC members are Steve Meikle and Vesna Sossi.
- Treasurer's report. Reserves are doing well. Publication revenues decrease (~-20%), so do conference revenue. 50% profit from IEEE saved for bad years.
- President's report. EU General Data Protection Regulation (<http://www.eugdpr.org/>), effective May 25, 2018, will affect IEEE privacy policies because of greater personal control over use of personal data. Will affect conferences. Eventclass proved successful for 2017 submission and conference planning, will be used in 2018. \$12,000 allotted to develop the Indico software and test it as an alternative.
- Conference record plagiarism issues. All publications required to go through crossCheck.
- Outreach. Discussed how to keep young IEEE members who are moving on with their careers don't necessarily stay members after they finish training. How to attract young professionals? There was a discussion (initiated by Alberto Del Guerra's comment) on how financial return might degrade scientific return of the conference rather. Outreach should be encouraged, using the facebook page for example. More contributions would be welcome. NPSS supports WIE events up to \$5k and \$1.5K
- The gender disparity mentioned during the teleconference still has not improved; only 4% of IEEE members and 12% of NPSS are women.
- Solicited contributions: Expand outreach and membership recruitment, contribute to Social media and Newsletter, think of possible New Initiatives, provide general conference feedback

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

Each year the JES recommends the general geographic area for the next conference. It was unanimously accepted that 2022 NSS/MIC will be in Europe. Currently the rotation is Europe- US-rest of the world (which now englobes Canada, as opposed to the previous definition of "North America". 2021 proposed locations submitted initial proposal): Vancouver, Calgary, Yokohama, Tokyo-Chiba, Kyoto. Prepare for visits and examination

10. JES committee: It needs to be put in the by-laws that the JES chair will be the past RISC or NMISC chair.

10. Extend JOS committee. Delivered by Paul Marsden.

- Recommend to extend JOS term of Andrew Goertzen instead of electing new member. Unanimously accepted.

11. Society sponsored journals. Presentation delivered by Dimitris Visvikis.

- 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. 78% of papers concerned radiation



imaging, 15% were on radiotherapy, and 7% on plasma medicine. Average time from submission to first decision was 50 days; goal is to decrease to 30 days. 100% decision on papers within 90 days from submission

- Reached 4 issue threshold to be indexed in science citation. Expect PubMed indexing in 2018.
- There is a proposal for a special issue on machine learning in radiation-based medical sciences

12. (formerly 16 on agenda). Technical sponsorship of 2018 PSMR meeting. Delivered by Paul Marsden.

- Request from Conference Chair Nicola Belcari for IEEE Technical Co-sponsorship. Technical co-sponsorship involves no financial responsibilities/liabilities for IEEE/NPSS. There is a requirement for NPSS members to be actively involved in conference organization. Adopted.

13. (formerly 17 on agenda). 17. Future status of RTSD Symposium.

- Long ongoing discussion on whether it should be integrated with NSS/MIC (use same reviewer database etc.). currently runs until 2018 included. Participation to 2019 accepted by NMISC.
- Current concerns are the lack of compliance with NSS/MIC review procedures; topics not contemporary, same chairs every year. Co-chairs are in favor of implementing changes to comply and stay associated to NSS/MIC.

14. Vice Chair election. Paul Marsden and Emilie Roncali.

3 candidates: Dimitra Darambara, Roger Fulton, Glenn Wells. 12 votes (2 absentees, 3 non eligible members as they are candidates) and perfect tie of 4 votes each. Will re-run an election after the meeting (before January 2018). Emilie Roncali to ask IEEE to run the election in anonymous way.

15. Conferences

2017 NSS/MIC – Atlanta., MIC perspectives. Delivered by Lars Furenlid.

- The organizing committee is composed of John Aarsvold (GC), Ralpf 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).
- 1370 submissions, 513 MIC, 641 NSS, rest RSTD. MIC: Oral requests: 158; Poster requests: 88; “Either”: 267. Programmed: Orals: 97; Posters: 383; Rejected: 33. 23 workshops.
- Sessions had 15(+3) minutes presentations this year. Everybody was convinced by the increase in time.
- Overall satisfaction with EventClass on software. Very responsive team.

2018 NSS/MIC – Sydney Delivered by Steve Meikle.



- MIC will run from Wednesday to Saturday (14-17 Nov 2018). All joint sessions on Tuesday and most likely a single track on Saturday (last day), including highlights plenary. Presentations will be 18 minutes, similar to 2017. Refresher courses are replaced by invited “scene setting” talk at the beginning of each day or track
- MIC program description and scope published on conference web site; Two keynote speakers confirmed (David Reilly Microsoft & University of Sydney, and Seong-Gi Kim, Sungkyunkwan University); Location of MIC dinner narrowed down to 2 venues with a \$110 dinner/person

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, Vesna Sossi and Paul Selin are joint session chairs, Ron Keyser is treasurer, Paul Nolan is responsible for local arrangements. Good to note that the 3 chairs include female members!
- Paul Marsden reported that contracts for the venue are now completed. EventClass selected for abstract submission and conference organization. The IoP conference service may be used to support the organization, role is still not fully decided. Some locations are still undecided.
- Next meeting with full committee is scheduled in Manchester for April 2018.

2020 NSS/MIC – Boston. Delivered by Dick Lanza. On behalf of Lorenzo Fabris

- The chosen conference site is the Boston Westin Seaport Hotel and Convention and Exhibition Center. Other considered sites were Philadelphia and Baltimore.
- Hotel and BCEC under contract; the team is being assembled. Jason Hayward (UTK) accepted to work as treasurer, with Ron/Ralf as acting treasurers.
- Site visit is scheduled in July, to assess facilities. There might be one uncertainty regarding the locations for Friday as the large conference center will be booked for another event.

10. AOB P Marsden

None