

Minutes of the 2014 IEEE Nuclear and Plasma Sciences Society (NPSS) Nuclear and Medical Imaging Sciences Council (NMISC) Annual General Meeting

Meeting Date: November 14, 2014; Room 618-619, Washington State Convention Center, Seattle, WA, USA

Attendance

Voting Members:

Suleman Surti (Past-Chair) x
Dimitris Visvikis (Chair) x
Paul Marsden (Vice-Chair) x

(term ending 2014):

Michael King x
Paul Marsden x
Uwe Pietrzyk (absent)
Glenn Wells (absent)
Larry Zeng x

(term ending 2015):

Abhijit J. Chaudhari x
Georges El Fakhri x
Andrew L. Goertzen x
George Loudos x
Taiga Yamaya x

(term ending 2016)

David Brasse x
Anna Celler (absent)
Stefaan Vandenberghe x
Dennis Schaart x
Katia Parodi x

Non-voting:

Newly Elected:

Joyita Dutta x
Jae Sung Lee x
Volkmar Schulz x
Kris Thielemans x
Paul Vaska x

Invited:

Joel Karp (Senior Editor TNS) x
Alberto Del Guerra (AdCom, term ending 2014) x
Ron Jaszczak (AdCom, term ending 2016) x
Steve Meikle (AdCom, term ending 2018) x
Tom Lewellen (Chairperson, JOS) x
Tony Lavietes (RISC Chair, 2014 General Chair) x

**Vesna Sossi (2015 General Chair) x
Maxim Titov (2016 General Chair) x**

Business (meeting started 12:25 pm)

1. Introduction and Roll Call
2. Agenda unanimously accepted
3. Approval of minutes for 1 November 2013 meeting (unanimously accepted)
4. Chair's Report to NMISC. Delivered by Dimitris Visvikis.
 - i. Reviewed organizational structure of NPSS (RISC and NMISC).
 - ii. Request made for contribution of a technical article from each TC for the quarterly NPSS Newsletter. This would be about 1 per year.
 - iii. Announced that new TMI liason officers are Suleman Surti and Mike King.
 - iv. Steve Meikle (University of Sydney) has been elected as the new NPSS ADCOM representative for 1/1/2015 – 12/31/2018. He replaces Alberto del Guerra, who was thanked for his many years of service in this role.
 - v. Report on a new NPSS journal letter of intent. A committee is established to lead this initiative, and includes Dimitris Visvikis (NMIS, Chair), Joel Karp (NMIS, indexing), Paul Dressendorfer (pubs), Weihua Jiang (PPS&T), Mounir Laroussi (PSAC), Bob Zwaska (PAST) and Mark Kushner (PSAC).
The objectives are:
 - i. Propose a new journal that covers all activities of NPSS related to medical applications.
 - ii. Cover both imaging and therapy domains, from detector development to treatment devices including software and clinical/preclinical proof of concept studies.
 - iii. Target a number of publications where our members currently publish (e.g. PMB, MedPhys, etc.), specialist medical journals (JNM, EJNMMI, etc.) and non-specialized journals.

Proposed title is "IEEE Transactions in Radiation and Plasma Medical Sciences. Timeline is:

9/2014: Submission of final LOI version from the committee.

10/2014: LOI sent to Engineering in Medicine and Biology (EMBS) and Signal Processing (SP) societies for participation consideration. Dimitris mentioned that EMBS was ok with the proposed journal as the topics did not include imaging processing.

01/2015: Submission of LOI to IEEE Publications

02/2015: Feedback expected during the February TAB meeting.

06/2015: Approval

Discussion on this matter:

- i. Ron Jaszczak asked whether CT and MR will be suitable for the journal. The answer was that CT is. MR might be referred elsewhere by papers focusing solely on MR were not considered likely.
- ii. Ron Jaszczak asked for clarification on EMBS ownership in the new journal.

- iii. Joel Karp reminded NMISC that indexing of the new journal will still take 3 years.
- vi. NPSS awards:
 - i. Valentin Jordanov award is now open to MIC participants. There was discussion about whether the Jordanov and Travel Grant awards should be administered together for better coordination.
 - ii. IEEE Ronald Jaszczak Graduate Award was announced. Intent is to provide funds to support one individual for three consecutive years at up to \$5,000 per year. Individual must be US Citizen 29 years of age or younger at a US University.
- vii. IEEE Conference proceedings issue:
 - i. The requirement that conference proceedings papers and Transactions publications be substantially different was not adopted during the last TAB meeting. This matter was set for “further study.” It is however a matter of time before it goes through.
 - ii. A working group has been jointly appointed by RISC and NMISC to investigate how to handle the upcoming changes in terms of conference proceedings for the NSS/MIC. Committee members are: NMSIC: Dimitris Visvikis, Paul Marsden, George Loudos and Dennis Schaart; RISC: Chiara Guazzoni, Lorenzo Fabris, Patrick Le Dû and Tony Laviertes. The main proposal of the WG is to convert prior to the conference the 2 page summary submitted along with the abstract during submission into an updated conference proceedings publication that can be available during the conference.
 - iii. Joel Karp commented that conference record papers can be useful for career advancement and that very few papers are submitted to TNS without modification from the conference record submission.
 - iv. Alberto del Guerra suggested that we consider publishing the 2 page summary instead of the conference record. This would require formalizing the formatting requirements of the 2 page summary.
- viii. Joint Oversight Sub-Committee:
 - i. Ramsey Badawi was elected as the NMISC member to the JOS.
 - ii. The Atlanta Hyatt site was approved for the 2017 meeting.
- ix. By-laws revisions:
 - i. The by-laws were revised to be more consistent with RISC and to account for exceptional circumstances.
- x. Report by Chair of NMISC Awards-Fellow Sub-Committee. Delivered by Dimitris Visvikis for Glenn Wells.
 - i. 4 candidates for Bruce Hasegawa award. Winner was Mathieu Hatt of LaTIM, INSERM, France, with citation “For contributions to the field of medical image analysis and processing for oncology and radiotherapy applications.”
 - ii. 4 candidates for Ed Hoffman award. Winner was Joel Karp, University of Pennsylvania, USA, with citation “For contributions to fully-3D PET system design and quantitative imaging.”
 - iii. Nominees were appropriate. Judges thanked for their involvement.

- iv. Dimitris questioned whether the cut-off date for the Hasegawa award should be changed to 10 years post-last degree to align with RISC early career award.
 - v. Georges El Fakhri suggested that Hoffman award nomination should carry forward multiple years. Alberto del Guerra suggested that the award review committee should decide on a case by case basis whether the nomination should carry forward or not.
 - xi. Report by Chair of the Communications (Web) Sub-Committee. Delivered by Dimitris Visvikis for Uwe Pietrzyk.
 - i. NMISC has a new web site due to the redesign of the NPSS website.
 - ii. Changes must go through the NPSS webmaster.
- 5. Status of the NMISC Election. Delivered by Andrew Goertzen.
 - i. There were eight candidates for the 5 seats on NMISC, elected by the NPSS membership. The new members with terms from 1 January 2015 – 31 December 2017 are Joyita Dutta, Jae Sung Lee, Volkmar Schulz, Kris Thielemans and Paul Vaska.
 - ii. Outgoing NMISC members on 31 December 2014 are Michael King, Paul Marsden (remaining as Vice-Chair), Uwe Pietrzyk, Glenn Wells and Larry Zeng.
 - iii. There were two candidates for the position of Member and Large for the Joint Oversight Committee. NMISC members and executive are eligible to vote. Ramsey Badawi of UC Davis was elected to this position.
- 6. 2013 NSS/MIC, Seoul, Final Report. Delivered by Jae Sung Lee.
 - i. 2096 registered participants, 1734 papers submitted, of which 691 were to MIC.
 - ii. MIC abstract submission by region: 37% Asia, 33% North America, 29% Europe, 1% South America.
 - iii. Overall satisfaction of participants based on survey is still very high (~94% good rating or better).
 - iv. This was the first meeting at which topic conveners were used.
- 7. 2014 NSS/MIC, Seattle, Status Report. Delivered by Georges El Fakhri and Katia Parodi.
 - i. 1962 attendees. 650 abstracts submitted to MIC.
 - ii. A large number of registrants (>50) could not obtain visas to travel to the meeting. This resulted in a number of withdrawn oral presentations. Most of these slots were filled by asking highly ranked poster presenters to give an oral presentation. The electronic format of the program made this easier to manage.
 - iii. Georges El Fakhri mentioned that the NIBIB funding application must be submitted 1.5 years in advance of the meeting.
 - iv. Alberto Del Guerra suggested that at future meetings we might consider making efforts to ensure greater variety of oral presentations. An option may be to limit the number of presentations from a single group.
- 8. 2015 NSS/MIC, San Diego, Status Report. Delivered by Adam Alessio.
 - i. Meeting to be held 31 October – 7 November 2015 at the Town and Country Hotel, San Diego, CA.
 - ii. MIC Dinner to be at San Diego Zoo in Balboa Park.
 - iii. Currently finalizing plenary speakers, course and technical topics.

- iv. Aim to include more joint NSS and RTSD sessions.
 - v. Larry Zhang suggested that there be a CT session, rather than an 'Other' session. He also suggested that the poster sessions have randomized assignment so that not all of one type are presented at the same time.
 - vi. Alberto Del Guerra suggested that the 2014 had too few poster sessions.
9. 2016 NSS/MIC, Strasbourg, Status Report. Delivered by Maxim Titov.
- i. Gave overview of venue, with renovated congress centre, and transportation logistics.
 - ii. Memorandum of Understanding was signed in September 2014 between CEA and IEEE.
 - iii. Contract for the meeting space was signed in November 2014 between CEA and the Strasbourg Congress Centre.
 - iv. Most program chairs have been named. Dimitris Visvikis and Suleman Surti will be the MIC chair and deputy chair respectively.
10. Report by Chair of NMISC/RISC Joint Oversight Sub-Committee (JOS). Delivered by Tom Lewellen.
- i. Gave overview of current committee membership and process for selecting future conference sites.
 - ii. The JOS recommended the Atlanta Hyatt as the preferred site for the 2017 meeting.
 - i. NMISC has voted to confirm the JOS recommendation.
 - ii. RISC would be voting on the matter at this year's conference.
 - iii. NMISC is working on a list of potential general chairs for consideration by the JOS.
 - iii. Preferred geographical location for 2018 is Asia/Pacific Rim.
 - i. Detailed proposals have been received from Japan and Australia.
 - ii. Additional sites proposed are UK, Ottawa and Vienna. US alternates also being investigated.
 - iii. Goal is to have final three selected for workup by March 2015, with final recommendation to JES by August 2015.
11. Report from TMI liaison. Delivered by Suleman Surti and Michael King.
- i. A new memorandum of understanding is in place regarding TMI. Under the MOU, each Technical Committee (TC) has two TMI Steering Committee (SC) representatives. The representatives each serve a 2 year term, renewable once, and then a 5 year hiatus. Each Associate Editor has a 2 year term, renewable once, then a 1 year hiatus.
 - ii. Mike King and Suleman Surti were appointed as the new NPSS representatives to the TMI SC.
 - iii. Annual TMI meeting was held in San Diego on 15 February 2014, ahead of the SPIE meeting. Randy Brill and John Verboncoeur attended the meeting to represent NPSS.
 - iv. The TMI SC did not think it was feasible to increase the number of papers published in TMI by 50% to accommodate potentially 100 papers from MIC. This had been proposed in the NPSS LOI.
 - v. Michael Insana, Professor of BE and ECE, University of Illinois, Urbana-Champaign was elected as the new TMI Editor in Chief. He is setting up a Scientific Advisory Board, with the aim of having 8 members for TMI (2 from each TC). Ramsey Badawi has been proposed as a possible member from NPSS.

- vi. Jeff Durek (EMBS) was elected as the new Steering Committee Chair.
12. Report on paper quality assurance effort / MIC abstract scoring. Delivered by Adam Alessio.
- i. For the 2015 meeting Adam proposes to revise the abstract scoring criteria by removing scoring for 'Previous Work', leaving 'Technical', 'Originality and Innovation' and 'Significance' as criteria. This would reduce the maximum score to 15 points from its current value of 20.
 - ii. Proposes that RTSD should follow the same scoring system at the meeting to facilitate review.
13. Meeting Adjourned (14:25)