



MINUTES
2011 IEEE Nuclear and Plasma Sciences Society (NPSS)
Nuclear and Medical Imaging Sciences Council (NMISC) Annual General Meeting

Place: Hall “Las Arenas”, Hotel Sorolla
Date and time: Friday, October 28, 2011, 13:00-14:30

Attendees:

Executive Officers:

Robert Miyaoka	Chairperson	University of Washington
Suleman Surti	Vice-Chairperson	University of Pennsylvania
Charles C Watson	Past Chairperson	Siemens Medical Solutions USA Inc.
George Kontaxakis	Secretary	Universidad Politécnica de Madrid, Spain
	Chair, Nominations Sub-Committee	
Anna Celler	Chair, Awards/Fellows Sub-Committee	University of British Columbia, Canada

Related NPSS Positions:

Chuck Melcher	RISC Chairperson	University of Tennessee
Ed Lampo	RISC Vice-Chairperson and AdCom Representative (RISC)	
Ronald Keyser	2010 NSS-MIC General Chair	ORTEC
Alberto Del Guerra	2011 MIC Chair and AdCom Representative (NMISC)	University of Pisa, Italy
Vesna Sossi	2012 MIC Chair, NMISC member (2012)	University of British Columbia, Canada
Jae Sung Lee	2013 MIC Chair	Seoul National University, Korea
Tony Lavietes	2014 NSS-MIC General Chair	

NMISC Elected Members:

(term ending 2011):

Ronald J Jaszczak	Duke University (Prof. Emeritus)
Irene Buvat	CNRS, France
Georges El Fakhri	Massachusetts General Hospital

(term ending 2012):

Paul Lecoq	CERN, Switzerland
Jinyi Qi	University of California – Davis
Stefaan Tavernier	University of Brussels, Belgium
Dimitris Visvikis	INSERM, France

(term ending 2013):

Adam M. Alessio	University of Washington
Freek J. Beekman	TU-Delft, The Netherlands
Jinhun Joung	Korea University, Korea
Andrew J. Reader	McGill University, Canada

Invited:

Michael King	NMISC member (2012-2014)	University of Massachusetts
Paul Marsden	NMISC member (2012-2014)	Kings College London, U.K.
Uwe Pietrzyk	NMISC member (2012-2014)	Research Center Juelich, Germany
Larry Zeng	NMISC member (2012-2014)	University of Utah
Katia Parodi		Heidelberg University, German

*Excuse:*

Tom Lewellen	2012 NSS-MIC General Chair Chair, RISC/NMISC Joint Oversight Subcommittee, and AdCom Representative (NMISC)	University of Washington
David Townsend	2011 NSS-MIC General Chair 2010 MIC Chair	Singapore Bioimaging Consortium
Raymond F. Muzic, Jr	Chair of the Communications (Web) Sub-Committee, NMISC member (2011)	Case Western Reserve University
Krzysztof Iniewski	NMISC Member (2011)	Redlen Technologies Inc
Jennifer Huber	NMISC Member (2013)	Lawrence Berkeley Nat. Laboratory
R Glenn Wells	NMISC member (2012-2014)	University of Ottawa, Canada

Documentation distributed:

- This meeting's agenda
- Minutes, 2010 NMISC Annual Meeting
- Proposed IEEE open access publishing channel - DRAFT3 9/19/11

Meeting's Agenda:

1. Introduction and roll call - current members
2. Review and adoption of agenda
3. Approval of the minutes of meeting of November 5, 2010
4. Chair's report to NMISC
5. Election of new Vice-Chair
6. Status of 2011 NMISC election
7. 2010 NSS/MIC – Knoxville (final)
8. 2011 NSS/MIC – Valencia (to date)
9. 2012 NSS/MIC – Anaheim (preview)
10. 2013 NSS/MIC – Seoul (preview)
11. Report by Chair of NMISC/RISC Joint Oversight Sub-Committee
12. Report by Chair of NMISC Awards-Fellow Sub-Committee
13. Report on NPSS AdCom activities
14. Report on IEEE Life Sciences Initiative
15. Other Business:
 - a. Committee to review/revise NMISC Constitution and Bylaws
 - b. Discussion about promoting NMISC via website and social media
 - c. Discussion about rules for presentation of published work

The meeting started at 13:15 local time.

1. Welcome by Robert Miyaoka, NMISC Chair.

Each of the attendees briefly presented themselves, their affiliation and relationship with the NMISC and NPSS.
2. The meeting's agenda was approved unanimously.
3. A motion was moved to accept the 2010 NMISC AGM minutes, carried unanimously, too.
4. Robert Miyaoka initiated the Chair's report by presenting an overview of the IEEE, its Technical Activities Board (TAB) and its 38 Technical Societies, one of which is the Nuclear and Plasma Sciences Society (NPSS), as well as the Joint Executive Subcommittee (JES), comprised of the Chairs, the Vice-chairs and the Most Recent Past Chairs of the NMISC and the RISC. Details have been provided in item 4 of the 2010

NMISC AGM Meeting Minutes and Annex I of that document. Starting 2012, Chair of the JES will be Ralf Engels, who will succeed Tom Lewellen.

Further issues included in the Chair's report:

- (a) In order to match the requirements of the TAB on the minimum number of candidates for each elected post, the number of candidates for the NMSIC Vice-Chair position needs to be changed in the By-Laws from "at least one" to "at least two". In any case, this year this requirement has been met.
- (b) Last year the AdCom voted to change the NPSS Constitution and By-Laws to reduce the waiting period for counting ballots for election to AdCom from 60 days to 45 days. The reason for this was that ballots are now being distributed electronically and it was felt that 45 days was more than ample time for individuals to vote. An added benefit is that by shortening the length of time, it allows to know the results of the election before the annual NMISC meeting. IEEE would like the waiting period to be the same for both AdCom elections and NMISC council elections. As the NMSIC has not revised its By-Laws to recognize this change, Robert Miyaoka will put forth a one-time motion to change the waiting period for the NMISC council elections from 60 days to 45 days. More specifically, the request will be that a change be made to the By-Laws:
 - By-Law 2.7:

Current:
2.7 Sixty days after distribution of the ballots, the IEEE Headquarters shall count and tabulate the votes received and report the results to NMISC.

Proposed:
2.7 Forty-five days after distribution of the ballots, the IEEE Headquarters shall count and tabulate the votes received and report the results to NMISC.
 - By-Law 2.3 (to avoid redundancies with previous changes to By-Law 2.1):

Current:
2.3 If there are more nominations than posts to be filled, those nominees receiving the highest number of votes will be elected to the vacant posts.

Proposed:
2.3 Nominees receiving the highest number of votes will be elected to the vacant posts.

A five-person subcommittee will be formed to review the NMISC Constitution and By-Laws. The Constitution states that it will be reviewed every five years. As the last time it was reviewed was 2007, in 2012 is time for the next review. Robert Miyaoka asked for volunteers among the current NMISC members.

- (c) This year the 45 days voting period has been observed for all NPSS elections. Ballots were issued on 15 August 2011 for online voting until 29 September 2011 at 4:00 pm Eastern Time. The results were officially notified to on 4 October 2011. This is actually the first time that the results of the annual elections were known before the annual meeting of the NMISC.
- (d) During 2011, there was no important progress towards the establishment of a procedure for the automatic submission of TNS published papers to PubMed Central. Freek Beekman intervened and stressed that this is an important issue that has negative repercussions in citations, journal impact factors, etc. He added that this is an ongoing issue now during the past at least 12 years. Robert Miyaoka responded that the IEEE "would facilitate an easy way for authors to access and retrieve the final version of their article, but the author would be responsible for submitting the article to NIH to comply with the mandate associated with funding."

The issue of TNS papers not being included in MEDLINE is also an important concern and more related to the issue brought up by Freek. In addition, Alberto Del Guerra stated that it is actually PubMed Central who suggests that IEEE TNS papers are in their vast majority of no interest to

PubMed (i.e., MEDLINE) users.

- (e) Robert Miyaoka reported on the initiative of the IEEE to consider the possibility of converting existing Transactions to open access, according to the successful model that has been implemented some years ago by the Public Library of Science (PLoS ONE). The document "Proposed IEEE open access publishing channel -- DRAFT3 9/19/11" has been distributed to the attendees and is provided here in Annex I.
 - (f) Robert Miyaoka transmitted to the Council the interest expressed by the IEEE Transactions on Nuclear Science to publish quality review articles, according to the practice followed by other international journals that have managed to attract more citations by publishing review articles. Dimitris Visvikis commented that the New England Journal of Nuclear Medicine has reached a very high impact factor employing this strategy. Georges El Fakhri mentioned that the Journal of Nuclear Medicine publishes special issues that attract a significant number of citations.
5. The elections for new Vice Chair took place as foreseen in the NMISC Constitution and Bylaws. The two candidates that were nominated were Jinyi Qi (term ending 2012) and Dimitris Visvikis (term ending 2012). Each candidate presented a short nomination statement. Jinyi Qi stated that he first joined the NMISC 6 years ago and judges that time has arrived for him to contribute further to the NMISTC, bringing the example of the case of TNS papers being submitted to PubMed Central. Dimitris Visvikis stated that this is his second term as NMISC elected member and therefore has the necessary experience of service. His efforts would focus to increase the involvement of the NMISC in the NSS-MIC and bring a larger exposure of the Council's members in the Conference, where he would introduce section chairs and summary sessions. He concluded that since the NSS-MIC has been opened to European sites for several years now, time might have come for a Chair of the NMISC from Europe.

The two candidates then left the room and a secret vote was taken. After the ballot counting, Dimitris Visvikis was elected as the NMISC Vice Chair for the term 2012-2013.

6. George Kontaxakis gave a short report on the status of the NMISC membership and the 2011 NMISC elections. As Chair of the Nominations Subcommittee, George Kontaxakis reminded everyone that one third of the NMISC is renewed every year and appealed to the NMISC members to participate actively in seeking new candidates for each year's elections. Considering the new rules that require at least 8 candidates for the 5 new positions to fill each year in the NMISC, the needs to identify qualified candidates have now increased. George Kontaxakis thanked all the members for their support this year, which guaranteed 9 highly qualified candidates for the 2011 elections. Every member of the NPSS that is interested in MIC topics can nominate a candidate for the NMISC. Self-nominations are also accepted.

In the name of the NMISC, George Kontaxakis thanked Ronald Jaszczak, Georges El Fakhri, whose term ends in 2011, as well as Krzysztof Iniewski, who was not able to attend the AGM this year. Irene Buvat's term also ends in 2011, however she takes over as Chair of the Awards/Fellows Sub-Committee and Raymond Muzic stays as Chair of the Communications (Web) Sub-Committee. Suleman Surti will become the new NMISC Chair for the term 2012-2013 and Robert Miyaoka will become the Most Recent Past Chair starting 2012.

As mentioned in item 4(c), the 2011 elections process has been concluded and the five newly elected members (term 2012-2014) were: Michael King, (University of Massachusetts, USA), Paul Marsden (King's College, U.K.), Uwe Pietrzyk, University of Wuppertal and Juelich Research Center, Germany), R Glenn Wells (University of Ottawa Heart Institute, Canada), Larry Zeng (University of Utah, USA). Robert Miyaoka welcomed the newly elected members, and thanked George Kontaxakis for his involvement in the successful completion of the 2011 elections process.

7. Brief report on the 2010 MIC by Ron Keyser, 2010 NSS-MIC General Chair. For the entire 2010 event, rejection rate was between 9-12% for the different sections (RTSD, NSS, MIC). The CD ROM with the Proceedings has been released rather late for several reasons. A positive feature of the Conference was the fact that all activities were concentrated in one building with enough space for the scientific sessions,

posters, exhibits, and coffee breaks, as well as the easy availability of several sofas and tables for informal and ad hoc meetings and discussions among the attendees. WiFi access was merely satisfactory, although admittedly better than the current situation in Valencia. Ron Keyser mentioned that Internet access service failure was not a problem of money, but rather a problem of contractors not honoring their commitments.

Ron concluded that the experience accumulated in organizing NSS-MIC has resulted in a very successful meeting, with an increasing number of attendees year after year, and efficient, since the expenses tend to decrease. According to Ron Keyser, the NSS-MIC is today the largest conference of the NPSS and a profitable business for the IEEE, which helps cover losses from other IEEE activities.

8. Report on the 2011 MIC by Alberto Del Guerra, 2011 MIC Program Chair:

As of October 17, there were 2259 registered attendees overall, of which 254 have been invitations to staff, invitees or other VIP. For the whole NSS-MIC there were 1692 abstracts accepted of which 592 were oral and 1100 posters. There were 370 students registered for the short courses and 178 trainee awards have been granted. The number of exhibitors this year has been 52.

The MIC covered a variety of topics and received in total 815 submissions, of which 50 were incomplete. From the 765 reviewed submissions, 684 have been accepted (10.6% rejection rate) of which 131 have been oral presentations and 553 posters. There were also 8 withdrawals. Apart from submissions from the USA, the second country in the ranking of submissions this year was Germany, with Spain situated in third place, followed by South Korea, Japan, U.K., Italy, Canada, France Belgium, China and Australia. Although the no-show data were not available at the time of the meeting, Alberto Del Guerra commented that the no-show rate for MIC posters has been low this year.

Regarding rejection criteria, Alberto Del Guerra explained that a submission was rejected if all three reviewers suggested so, or if the mean score received was less than 4.5. If two rejections were suggested and the mean was below 5.0, the paper was also rejected - if the mean was below 6.0 in that case a rejection was also highly likely. Finally, if no summary was submitted or if the abstract was proven to be not original, the submission was again rejected. In total, 2,295 reviews were performed by 287 reviewers.

The strategy for classifying a presentation as oral was based first on the selection of the authors (if they had selected oral or either poster or oral), under the conditions that no reviewer had recommended rejection of the paper, the mean score was at least above 7.0 and at least two reviewers recommended oral presentation for the paper. In total, the 2011 MIC had 20 oral and 5 poster sessions .

The plenary speakers were: Willi Kalender (Erlangen, Germany): "Is there still room for research in CT?"; Cristopher Bert (GSI, Germany): "New frontiers in particle Therapy"; Anders Brahme (Karolinska, Sweden): "Optimal use of Imaging in Radiation Therapy". Four refresher courses were offered, one of which was given by S. Moehrs and P. Montes from the European Patent Office entitled "Patents: Why they matter to researchers, searching for a prior art, and medical technology related issues" and was attended by about 40 people. On the other hand, Alberto Del Guerra commented that the speaker for the MIC dinner, the famous architect Prof. Fernández-Galiano excused his attendance. Although initially the location of the dinner had been proposed to be the "City of Arts and Sciences" at Valencia's port, according to Alberto Del Guerra the Conference Treasurer vetoed such an alternative and the MIC dinner was finally held at the Conference Centre.

Freek Beekman suggested that more space should be reserved for the MIC dinner in order to accommodate people who buy their tickets on site without previous reservation.

9. Report on the progress of the 2012 MIC by Vesna Sossi, 2012 MIC Program Chair:

The 2012 NSS-MIC, together with the RTSD Workshop will be held at the Disneyland Hotel Convention Center (Anaheim California), from October 29rd - November 3rd. As with previous meetings, there will be short courses on the preceding Saturday and Sunday (October 27 and 28), and it is anticipated that several workshops will take place before or after the meeting. As in 2010, all events will be in one place and there will be plenty of space for all activities. 600 poster boards have been reserved with extra overflow space

available. The scientific program will not present any radical changes in comparison with the current or past meetings. There will be parallel sessions in the MIC, as this is the best way to efficiently cover all topics. As Saturday afternoon attendance is typically showing important decrease in comparison to earlier sessions, the 2012 MIC will end at 12:30 on Saturday, November 3rd. This will be achieved by reducing the plenary talks to two instead of three. The topics of these plenary talks will include imaging applications for Alzheimer's' disease and MRI imaging. Abstract review will be performed according to established best practices. Vesna Sossi mentioned that the General Chair, Tom Lewellen, is doing a great job in organizing the future NSS-MIC. Furthermore, it is anticipated that Mickey Mouse will make a spontaneous appearance at the Conference.

10. Report on the progress of the 2013 MIC by Jae Sung Lee, 2013 MIC Program Chair:

The Conference venue will be the COEX Convention & Exhibition Center in Seoul, Korea, which is one of the largest conference spaces in Asia. The 2013 NSS-MIC will take place during the period October 27 (Sunday) to November 2 (Saturday). The national hosting organization in Korea is the IEEE NPSS Korea Chapter. The expected number of participants is 2,000 from 50 countries, with a large number of attendees expected especially from China and Japan. The estimated cost of the conference is US\$ 1,500,000, of which it is expected that registration fees will cover US \$866,000. At this stage, the budget has been approved and the advanced payments have been deposited: loan from IEEE: US\$ 90,000.00 and contract with COEX (10%): 14,163,240 KRW. Furthermore, 1100 hotel rooms have been blocked with various room rates (80 ~ 330 US\$). Some hotels are at walking distance from the COEX and for the others access will be guaranteed by hotel shuttles and public transportation.

The Organizing Committee has been almost fully formed (Annex III) and demonstrates a mixture of members with previous experience in NSS-MIC organization and qualified Korean members. Some remaining posts are expected to be filled by Chinese members. During the Valencia Conference, the 2nd meeting of the Committee took place. Regular local committee meetings have been scheduled to take place twice a month. An on-site meeting has been scheduled for February 2012. On the other hand, numerous activities for the conference promotion are scheduled. The poster for the 2013 IEEE NSS-MIC is shown in Annex IV and a newsletter will be published.

Anna Celler commented that if the objective is to promote the students participation, then the minimum room prices must go lower than US\$ 80.

Alberto Del Guerra insisted that the RTSD workshop must be incorporated into the NSS and sees no reason to identify this event as separate. Paul Lecoq supported this suggestion.

11. Tony Lavietes, General Chair of the 2014 NSS-MIC, mentioned that he has been looking for a MIC Program Chair and got names for nominees from different directions. After evaluating this information, he proposed to the NMISC to approve Georges El Fakhri as the 2014 MIC Chair and Katia Parodi as the 2014 MIC Deputy Chair. These two persons left the meeting room in order to allow the Council time to debate this proposal. Dimitris Visvikis asked why the NMISC was not consulted earlier for nomination of potential candidates for these posts. Robert Miyaoka replied that the usual procedure is that the General Chair proposes the names of the candidates of his/her choice and requests approval by the Technical Committees, although the procedure can possibly be modified in the future. Chuck Melcher added that the RISC and the NMISC are just advisory committees and, according to Paul Lecoq, it is not a responsibility of the NMISC to elect MIC Chairs, but just provide advice to the General Chair. Freek Beekman explained the procedure followed in the Fully 3D Meetings, where a proposal for the different changes is submitted and then voted. At that point, the proposal by Tony Lavietes was voted upon and approved unanimously by the attendees.

Tony Lavietes reported on the progress of the 2014 NSS-MIC. The conference will be held in Seattle, WA, USA, returning there after the 1999 NSS-MIC. The conference will take place during the period of November 8-15, 2014, at the Washington State Convention Center. The Committee is about 80% complete, after inclusion of the MIC Chair and the MIC Deputy Chair. All hotel rooms will be booked at prevailing

government rate (an agreement has been reached with virtually all city hotels) and there will be virtually unlimited room availability. The Convention Center space appears to be sufficient and planning has been made for ~2000 attendees. Tony Lavietes showed maps and photos of the site and mentioned that a site visit has been scheduled for the end of November 2011, during which contract details will be finalized, a space inspection will be carried out, check Internet/Intranet access, parking possibilities, visit and evaluate nearby hotels and begin session layout activities.

Robert Miyaoka reported on the progress of the site selection for the 2015 NSS-MIC. At the end of 2010 the potential sites from Europe were Strasbourg, Liverpool, Brighton, Glasgow and Milan, with Knoxville and Orlando kept as US-based backup sites. After initial evaluations, Strasbourg remained as primary location followed by Liverpool, while maintaining the backup sites. Subsequently, however, Strasbourg withdrew availability of the Convention Center for 2015 as there was no guarantee that the planned renovation work at the Centre would have been completed by Fall 2015. Liverpool work up was then accelerated and Knoxville was kept as primary backup although other US/Canadian cities are also being worked up (e.g., Austin, Montreal). The current task of the Joint Oversight Committee will be to determine if Liverpool is the first choice. Some additional info was presented to the Oversight Committee by the Liverpool group on Monday night (October 24, 2011) to add up to a circulating report. That report states an estimate of £147,000 for the Conference Centre cost (initially estimated £500,000), although more accurate estimates are that this would be closer to £200,000 (taking into account VAT, extra AV and network). Posters that had been planned at 9 feet spacing need to change to 12 feet. On the other hand, the Liverpool group seemed to be very flexible about roles on the Organizing Committee. Regarding main hotel options, Jury's Inn (3-star) will make available 310 rooms and the Hilton (4-star) 215 rooms. Dimitris Visvikis asked if similar information was available for the remaining sites, excluding Strasbourg, like Milan. According to Robert Miyaoka the primary site for 2015 is for now Liverpool although a final decision has not been at the time of the meeting.

12. Anna Celler presented the report on the activities of the NMISC Awards-Fellow Sub-Committee, which is provided in the Annex IV of this document. The 2011 Awards have been judged by the following experts that formed the Awards Sub-Committee: John Aarsvold, Irene Buvat, Sybille Ziegler, Steven Meikle, Suleman Surti, Brian Hutton, Vesna Sossi, Dale Bailey and Hidehiro Iida. They all reviewed full nomination packages, including reference letters and publication samples.

The 2011 Edward J. Hoffman Medical Imaging Scientist Award was given to Prof. Michel Defrise. Citation: "*For pivotal contributions to the science of tomographic reconstruction*". Nominator: Fredrick Noo, PhD.

The 2011 Bruce H. Hasegawa Young Investigator Medical Imaging Science Award was given to Dr. Abhiji J. Chaudhari. Citation: "*For contributions to the fields of multispectral optical tomography, PET instrumentation, and translational molecular imaging*". Nominator: Ramsay Badawi, PhD.

Anna Celler informed the NMISC of her intention to step down as Chair of the Awards/Fellow Sub-Committee, and starting 2012 she will be replaced by Irene Buvat.

Robert Miyaoka further reported that the IEEE Medal for Innovations in Healthcare Technology was awarded to Prof. Harrison Barrett, Regents professor, University of Arizona. Citation: "*For pioneering contributions to the foundations and applications of biomedical imaging sciences*". Nominator: John Aarsvold, PhD

Dimitris Visvikis asked if there is any idea to formalize the composition of the Awards Sub-Committee. Anna Celler replied that this would not be recommended, as it is necessary to have the final nominations before selecting the necessary expertise to judge the applications, considering also potential conflicts of interest, etc. Vesna Sossi and Dimitris Visvikis agreed that there should be as broad as possible representation of the NMISC members in the Awards Sub-Committee.

13. There was no report on other specific NPSS AdCom activities.

14. Robert Miyaoka reported on the IEEE Life Sciences Initiative, a new Portal promoted by IEEE to become a premier resource and community for knowledge, opportunity, and collaboration, enabling cross-disciplinary solutions in life sciences. Georges El Fakhri represents the NPSS in the Editorial Board of the Life Sciences New Initiative. Alberto Del Guerra represents the NPSS in the Pubs & Conferences Subcommittee of the Life Sciences New Initiative Project Team.

Georges El Fakhri mentioned that this is a new website, which currently focuses on issues related to nanotechnologies and microchips, however there is less content related to medical imaging.

Anna Celler commented that the MIC must be brought closer to the human being and the role of the patients must be re-enforced in the MIC topics list. Robert Miyaoka and Dimitris Visvikis supported the idea to have a summary session in the MIC, highlighting the main contributions at the Conference.

15. In the Other Business item, Robert Miyaoka launched a question on how to promote the NMISC via Web. Several ideas have been proposed, such as granting online access to the top 10 papers published in TNS and TMI from the NMISC Web site, try promotion via social networking media, etc. Dimitris Visvikis proposed to add the names of the NMISC and RISC members in the NSS-MIC Program Booklet.

As no further questions or comments were posed,

Meeting adjourned at 15:20 pm.

Annex I – Proposed IEEE open access publishing channel -- DRAFT3 9/19/11

There is growing desire for open-access publishing of scientific and technical literature. Authors, universities, sponsoring agencies, and legislatures are expressing views favoring open-access publishing. Publishing costs may be borne by authors or author's employers, universities, or grant agencies, rather than by a traditional subscription process. IEEE faces increasing competition from both for-profit and non-profit open-access publishers.

Electronic production and dissemination has vastly altered the economics of archival scientific and technical publishing. The archive is electronic. For subscription-based publications, only a small fraction of customers desire hard copy. If hard copy is available from the publisher, customers are charged for its full incremental cost.

Many open-access publications are electronic-only. One of the leaders, *PLoS ONE* (<http://www.plosone.org/static/information.action>), publishes each paper individually as soon as it is accepted. "*PLoS ONE* features reports of original research from all disciplines within science and medicine. By not excluding papers on the basis of subject area, *PLoS ONE* facilitates the discovery of the connections between papers whether within or between disciplines." All submissions are peer-reviewed. Author copy is published directly; no copy editing. The publication fee for *PLoS ONE* is \$1,350 per paper. Three years after its establishment, it is returning a surplus. (see attached article from *Science*, with details on this and related matters.)

Several years ago, IEEE considered the possibility of converting existing *Transactions* to open access. Such a move likely would reduce IEEE's existing subscription income stream. An attractive alternative approach could follow the example of the Public Library of Science, which continued its established subscription-based journals (<http://www.plos.org/journals/>) when it initiated *PLoS ONE*. Those have suffered no decline in submissions. According to the *Science* article, *PLoS ONE* now publishes more articles than all the subscription titles.

IEEE might establish a single electronic open-access venue covering all IEEE fields of interest. The economics of electronic publication by IEEE can be inferred by examining the expenses of *IEEE Xplore*. Publications Department staff has prepared detailed estimates of the cost of an electronic-only publication as suggested above, including tagging for XML and editing references for correctness and to add live links. The estimated cost per paper ranges from \$800 to \$600 assuming growth over 3 years to reach 10,000 articles per year in year 3.

The attached spreadsheet details the important differences between existing *Transactions* and a possible new electronic-only open-access publication. Suppose that after 3 years, the new channel was publishing 10,000 papers annually, with a publication fee of \$1,350 per paper. The incremental cost of adding this content to *Xplore* would approximate \$6 million. If the publication fee were waived for 20% of authors, the total revenue would be about \$10.8 million. If IEEE's results matched those of *PLoS ONE*, these dollar figures would more than triple.

The PSPB Strategic Planning Committee discussed this concept at meeting on September 17-18. The SPC voted unanimously in support of the concept in principal, recognizing that many details are unresolved. The above narrative and the accompanying spreadsheet have been revised from earlier versions to reflect those discussions. A more detailed proposal will be presented to PSPB and TAB for discussion in November.

David A. Hodges, VP PSPB

Annex II – Award Sub-Committee Report

October 2011

In the spring, the usual advertising note was placed in the NPSS newsletter asking for nominations for the two NMISC awards. As the deadline was approaching and the nominations were very slow to come, I sent several additional e-mail requests to NMISC members, to general MIC community and other prominent scientists. The result of this aggressive campaign far exceeded my expectations. By the deadline of July 15th, I obtained seven nominations for the Ed Hoffman Medical Imaging Scientist award and six for the Bruce Hasegawa Young Investigator award.

All the nominees were exceptional scientists so the selection process this year was particularly difficult. Eleven people have been asked to serve on the Committee and nine agreed to participate in the reviews. The following people served on the Award Committee: John Aarsvold, Irene Buvat, Sybille Ziegler, Steven Meikle, Suleman Surti, Brian Hutton, Vesna Sossi, Dale Bailey and Hidehiro Iida. They all reviewed full nomination packages, including reference letters and publication samples.

In a close competition, this year NMISC Award winners were selected:

- The 2010 Edward J. Hoffman Medical Imaging Scientist Award:
Prof. Michel Defrise, Vrije Universiteit Brussel
Citation: “For pivotal contributions to the science of tomographic reconstruction”
Nominator: Frederic Noo.
- The 2010 Bruce H. Hasegawa Young Investigator Medical Imaging Science Award:
Dr. Abhijit J. Chaudhari, UC Davis Medical Center
Citation: “For contributions to the fields of multispectral optical tomography, PET instrumentation, and translational molecular imaging”
Nominator: Ramsey D. Badawi

A flyer with the names, pictures and short bios of the award winners has been prepared and placed in the attendees' bags. The NMISC awards were presented during the Awards Plenary session on Wednesday, October 26, 2011 together with presentation of the IEEE Medal for Innovation in Healthcare Technology to Prof. Harrison Barrett.

This was my third year as the Award Committee Chair. As much as last year I was complaining about difficulties in getting nominations, this year I became the victim of my own eagerness as I received almost too many nominations. But speaking more seriously - I think it was great to get many people nominated as this got our community more aware about NMISC awards and acting. At this point, however, I would like to step down from the Award Committee chair position. I think three years of service was just enough and I should allow other people the opportunity to become involved.

At this point, I would like to thank the NMISC for trusting me with the important role of the Award Committee Chair, the nominators for their effort in putting together the nomination packages, and finally - the reviewers for their hard work and help during the selection process.

Respectfully,

Anna Celler, PhD
Medical Imaging Research Group,
Department of Radiology, University Of British Columbia
e-mail: aceller@physics.ubc.ca
tel: 604-875-5252

Annex III – 2013 IEEE NSS/MIC Organizing Committee Members


Title	Name	Country
General Chair	Hee-Joung Kim	Korea
Deputy General Chair	Steve Meikle	Australia
Conference Organizing Chair	Yong Hyun Chung	Korea
Treasurer	Kisung Lee	Korea
Co-Treasurer	Tom Lewellen	USA
NSS Chair	Gyuseong Cho	Korea
NSS Deputy-Chair	Ikuo Kanno	Japan
MIC Chair	Jae Sung Lee	Korea
MIC Deputy-Chair	Craig Levin	USA
RTSD Co-Chair	Ralph James	USA
RTSD Co-Chair	Yong-Kyun Kim	Korea
Short Course Co-Chair	Paul Lecoq	Swiss
Short Course Co-Chair	Chan Hyeong Kim	Korea
Workshop Co-Chair	Benjamin MW Tsui	USA
Workshop Co-Chair	Anatoly Rozenfeld	Australia
Guest Editor	Yong Choi	Korea
Conference Promotion Co-Chair	Hong Joo Kim	Korea
Conference Promotion Co-Chair	Youngho Seo	USA
Publicity/Press Chair	Jang Ho Ha	Korea
Industrial Program (Exhibitor) Co-Chair	Ho Kyoung Kim	Korea
Industrial Program (Exhibitor) Co-Chair	Ron Keyser	USA
Scholarship/donations Co-Chair	Soo-Jin Lee	Korea
Scholarship/donations Co-Chair	Jinhun Joung	Korea
Companion Program Co-Chair	Mi Young Kim	Korea
Companion Program Co-Chair	Marry Keyser	USA
Web Master	Bo Yu	USA
IT Chair	Won ho Lee	Korea
Registration/Accommodation Co-Chair	Kyeong Min Kim	Korea
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Annex IV – 2013 IEEE NSS/MIC Poster

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2013 IEEE NSS/MIC Seoul

Nuclear Science Symposium & Medical Imaging Conference



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