

APPROVED MINUTES

OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING

**The Hyatt Regency Hotel
Century City, CA
February 19-20, 2014**

MEMBERS PRESENT (23)

H. Benitez
B. Archambeault
C. Brench
C. Bunting
F. Canavero
B. Davis
A. Duffy
E. Hare
F. Heather
E. Joffe
J. LaSalle
R. Koga
M. Montrose
J. Norgard
M. Oliver
J. O'Neil
G. Pettit
A. Pinchuk
F. Sabath (by telecom)
C. Sartori
D. Staggs
D. Sweeney
R. Scully

ABSENT (2)

D. Hoolihan
D. Heirman

GUESTS (3)

J. Amodeo (IEEE)
K. Galuchie (IEEE)
C. Johnson (IEEE)

1.0 THE PRESIDENT'S OPENING REMARKS

President Scully called the meeting to order at 9:00 am. A round of introductions was made. He reviewed Board meeting protocol, the IEEE code of ethics, and upcoming activities (see President's Introductory Remarks). He reminded Board members of the material on the Board FTP site and asked that everyone remember to review this material prior to the Board meetings (<ftp://ewh.ieee.org>).

2.0 CONSENT AGENDA MOTIONS

The agenda was presented for review. (See Draft Agenda.) The consent agenda motions (see Consent Agenda) included the following items:

- Approve February 2014 Meeting Agenda
- Approve November 2013 Meeting Minutes
- Approve Certificate of Appreciation Nominees – EMC Annual Awards

The Certificate of Appreciation Award Nominees topic was pulled from the consent agenda for discussion.

It was moved and seconded to approve the consent agenda as amended. The motion was approved.

Discussion ensued about the certificate of appreciation nominees shown on the list provided by Mike Oliver. It was moved and seconded to approve the Certificate of Appreciation Award nominees shown. The motion passed.

3.0 PRESIDENT'S REPORT

Mr. Scully reviewed the activity of the Excom meeting held the previous evening. All VPs and officers were in attendance, with John Norgard representing Don Heirman, and two guests including Alistair Duffy and Henry Benitez. Mr. Scully invited the guests to share their observations on the meeting. The guests were in agreement that the meeting was constructive and beneficial. The meeting addressed administrative points including the agenda review, motions to be presented, etc. All items discussed are included on the meeting agenda.

On the status of electronic motions made since the last Board meeting in November, Mr. Scully confirmed there was one motion which passed that approved Shannon Archambeault for website support in 2014.

Mr. Scully reviewed activity during the IEEE TAB meetings held last week at the Hyatt Regency hotel in Los Angeles (same hotel where EMC Standards and Board meetings are being held). Topics included:

- One the "2015 Delayed Budget", Mr. Scully noted we need to pay attention to the dates noted on this slide. John LaSalle advised we actually need to have our EMC-S budget addressed sooner than the dates shown.
- Mr. Scully noted there will be a treasurer webinar for Society treasurers on March 20. Anyone interested in attending this is welcome to do so.

- On Sections Congress, this will be held in Amsterdam and Henry Benitez will attend. He will be supported by Rakesh Kumar.
- The year-over-year trends of dropped Society members from Dec to Jan (2008-2014) were reviewed. Bob Davis noted we do not receive a list of dropped members. He will try to get this list on a regular basis from IEEE.
- List of IEEE conferences were reviewed. IEEE currently has over 1,500 conferences each year.
- Revenue generating options were reviewed. This includes improving attendance and connections at conferences, monetizing Society events.
- Special operational projects to support were reviewed. This included moving towards eliminating print copies of journals, etc.
- On the request for renewal changes, IEEE requires the total page count for the Transactions by May 1. These should be sent to Meena Shanmugavel at periodical@ieee.org.
- IEEE has requested Societies to financially co-sponsor conferences to earn greater revenue. New topics for conferences were also encouraged. There will be a panel of conference organizers in Singapore in July 2014. More info is available at <http://ieee.org/go/poco>. TAB showed the \$5,400 expense for Societies to technically co-sponsor conferences. This cost per conference is largely supporting IEEE *Xplore* efforts. Tools will be provided by IEEE for Societies to track the number of downloads of papers by conferences they technically co-sponsor. This expense needs to be included in future MOUs with technically co-sponsored conferences. The approved plan is to pay \$1,000 per technically co-sponsored conference, plus \$15 per paper posted to Xplore. Societies will receive the revenue generated by downloaded papers from the conference. Several slides were shown on the finances for the Societies and the conferences they technically co-sponsor. Several Societies are losing quite a bit of money to conferences they technically co-sponsor, for example, APS.
- The Magnetics Society best practices were discussed, especially their student course. Several Societies presented on their best practices at the TAB meetings.
- TAB advised IEEE GOLD is a dead term. It has been replaced by IEEE Young Professionals.
- IEEE virtual conferences were reviewed.

Mr. Scully advised the next TAB Meetings will be held in June and November 2014 in New Brunswick, NJ.

The next meetings of the Board of Directors will be in Raleigh, NC this August and either New Brunswick or Santa Clara in November 2014. Next year, the Board meetings will be in Dresden in August 2015 during the IEEE EMC Symposium and in Ottawa either before or after the IEEE TAB meetings in early December 2015.

Bruce Archambeault moved to hold the Board meeting on Nov 17-19, 2014 in New Brunswick, NJ in conjunction with the TAB meetings. The motion was seconded and approved. Carlos Sartori, Mark Montrose, Don Sweeney and Ghery Pettit abstained from voting.

4.0 IMMEDIATE PAST PRESIDENT REPORT

Ghery Pettit showed his slides on action items from the November Board meeting. (See Past President Report.) This addressed how the decorator was selected for a multiyear symposium contract; how the SI/PI conference came to be embedded in the EMC conference; and Directors-at-Large (DaL) elections. He showed a timeline for the elections. The proposed nominating committee consists of Todd Hubing, Lee Hill and Caroline Chan (all non-Board members) as well as Dan Hoolihan (Board member).

5.0 TREASURER'S REPORT

John LaSalle's report on EMC Society finances was reviewed. (See Treasurer's Report.) There was considerable discussion on the "End of the Year Massacre."

For the 2015 budget, we need to plan. We have surpassed our budget goals the past five years. In order to retain our spending goals and maintain our operational requirements, we need to spend to our budget. A detailed plan from the VPs is required. John provided suggestions on how Board members can help with the budgeting process.

John LaSalle moved to approve the 2015 budget parameter in terms of the non-member subscription fee price list in accordance with the IEEE recommended price as determined by IEEE for 2015. The motion was seconded and approved. Amy Pinchuk and John LaSalle abstained from voting.

John moved to approve the 2015 *Transactions on EMC* page count not to exceed 1,800 pages, including indexing pagers, and to allow the EMC-S Fin-Com to make appropriate adjustments in order to assure a balanced budget. The motion was seconded and approved. John LaSalle abstained from voting.

John moved to approve a print copy fee of \$50 for the *Transactions on EMC* for 2015. This would be the same price as for 2014. The motion was seconded and approved. John LaSalle abstained from voting.

John moved to approve the EMC Society membership fee of \$31 for 2015. The motion was seconded and approved. John LaSalle abstained from voting.

John moved to allow the treasurer and Fin-Com to make adjustments as needed to show a balanced budget with \$270K in "committee and other" expenses. The motion was seconded and approved. John LaSalle abstained from voting. Fred Heather voted against the motion.

John moved to approve funding for the Team EMC bike ride in Raleigh during EMC 2014. The sponsor cost is \$950 and will be taken from the AdCom budget. The motion was seconded and approved. John LaSalle abstained from voting.

Regarding EMC Society finances, the latest available 2013 IEEE financials are for the period ending in December 2013. The FM13 report has not yet been released by IEEE. The 2013 December summary statement file is included in his report. As can be seen in the December summary statement, the Society ended the year strongly with an actual year-to-date deficit of \$43.7k. The budget was a deficit of \$88.2k, so the Society had a positive \$44.4k variance. Please note that this report does not reflect the final ASPP or CP distributions, as well as market fluctuation. These entries will be included in the FM13-2013 reports.

As of the end of December, Committee/Other expenditures (cost center 1900) are at a deficit of \$184.6k, with an approved budget deficit of \$286.6. This results in a \$102k positive variance, or under-spending. As of January 25, there are no 2014 financials available.

The report included a status of symposium finances, a summary of travel expenses, as well as the 2015 budget development and timeline.

6.0 IEEE MEETINGS, CONFERENCES AND EVENTS

Guest speaker Caroline Johnson of IEEE presented on the services IEEE provides for conferences. (See IEEE Meetings presentation.)

7.0 CONFERENCES REPORT

Bruce Archambeault presented his report. (See VP Conferences Report.) He introduced the new chair of EMC 2016 in Ottawa through a video made by the new chair. His name is Kris Hatashita (KRIS.HATASHITA@forces.gc.ca). Qiubo Ye was required to step down by his employer; he will remain on the committee as Vice Chair. The local IEEE Section is involved and willing to help significantly with this symposium.

On the next symposium in Raleigh, NC this August – EMC 2014 - Bruce noted there was a committee site visit the first week in December 2013 to discuss details with the convention center and hotels. This was a successful meeting. He noted 186 regular papers were submitted by the call for papers deadline. Five Special Sessions proposals were accepted, and 22 half day workshop/tutorial sessions were accepted. Some 37% of all papers were submitted for the embedded SI/PI conference. A teacher/educator day is being planned for local high school teachers. There will be a special event to celebrate the 150 year anniversary of Maxwell's equations. Registration is now open.

The report includes summaries of activity for the upcoming IEEE EMC symposiums through 2019.

Bruce moved to approve technical co-sponsorship of APEMC 2015 in Taiwan. The motion was seconded and approved.

Bruce relayed information about new activity within the Conference Services committee, including new relationships with the IEEE MTT, AP and Consumer Electronics Societies.

Bruce Archambeault's report included an update on regional conferences - including the Region 9 conference held in Buenos Aires – and from the exhibitor liaison – including the results of the annual exhibitor survey.

The report concludes with some interesting paper statistics for the EMC symposia including a breakdown of paper submittal counts by technical committee.

8.0 MEMBER SERVICES REPORT

Bob Davis, Vice-President for Member Services, presented his report. (See VP Member Services Overview Report.) Total IEEE Membership is up 0.5%, since this time last year. Total Society Membership is up 1.5%, since this time last year. EMC Society Membership is down 1.7% (73) to 4,113 (with Affiliates) since

this time last year. EMC Society Student Membership is up 13% (7) to 61 since this time last year. There have been a total of four senior grade elevations since November 2013.

AWARDS

Mike Oliver provided the report on the EMC Society annual awards. (See Awards Report.) The Awards Committee includes Bruce Archambeault, Colin Brench, Sam Connor, Jun Fan, Mike Oliver - Chair, Christian Schuster, and Tzong-Lin Wu.

The Hall of Fame award was presented. There are three candidates – Henry Ott, Johan Catrysse and Bob Hofmann. The motion to approve these candidates was seconded and approved.

There were no nominations for the Honored Member Award this year.

On the President's Memorial Award, Bruce Archambeault moved to approve a second year follow-on award for Hung-Chuan Chen and the new award for Ketan Shringarpure as presented. The motion was seconded and approved.

On the Completed Careers honoree for the President's Memorial Award, several candidates were discussed. **Bruce Archambeault moved to recognize Clayton Paul and Ed Bronaugh with this year's award. The motion was seconded and approved.**

There were no nominations for the Laurence G. Cuming Award this year.

For the Richard R. Stoddart Award, Er-Ping Li and Dr. Subbarao were nominated. After discussion, it was moved and seconded to present the award to Er-Ping Li. The motion failed. Ed Hare and Amy Pinchuk abstained from voting. It was noted there was not enough information provided on Dr. Subbarao's technical accomplishments in order for the Board to make a decision on his receiving this award.

Vladimir Rakov and Yoshihiro Baba were nominated to receive the **Technical Achievement Award. It was moved to amend the motion to present award to Yoshihiro Baba only. The amended motion was seconded and approved.** (It was noted Rakov is an IEEE Fellow and this award is typically not awarded to a Fellow.)

Mike Oliver moved to present the new James C. Klouda award to Benjamin Toby. The motion was seconded and approved.

There were no nominations for the Sustained Service Award.

It was moved and approved to present the Symposium Chair Award to Danny Odum, chair of the 2013 IEEE International Symposium on EMC in Denver.

The other annual EMC Society awards will be determined later.

A new award motion was discussed to approve a one-time best SI/PI Symposium and Best Student Paper Award for presentation at EMC 2014. After discussion, it was moved and seconded to table the motion. The motion to table was seconded and approved. The motion was sent back to the committee for rewording and presentation at the following day's Board meeting.

Mike Oliver moved to award a Best Symposium Paper Award and Best Student Paper Award for the IEEE EMC and SI/PI Symposium for 2015 (Santa Clara) with the same award level as for the main International Symposium. The motion was seconded and approved.

SISTER SOCIETIES

The report of chair Vignesh Rajamani includes information on current and potential Sister Society agreements, including the signing of an agreement in Japan. Dr. Koga is helping with this effort and the signing will take place during EMC Tokyo in May 2014.

CHAPTERS COORDINATOR

The report of chair Sergio Pignari notes an update is in progress of the Chapter Chair E-mail reflector and the corresponding webpage in the EMC-S website with contact information of new Chapter Chairs serving in 2014. The following Chapters are currently not responding: Mohawk Valley and North-West Florida. No new EMC-S Chapters have been formed over the past four months. However, a new EMC-S Chapter in the Xi'an Section, China should receive final approval soon. Chapters under construction include Biloxi, Buenaventura, Oklahoma, and Spokane. Chapter activity by IEEE Region is included in the report. Sergio Pignari noted the Angel list has been updated; the corresponding assigned Chapters are included in his report.

FELLOW NOMINATION AND SUPPORT COMMITTEE

Chair Bill Radasky reported he received one inquiry since the last Board report.

FELLOW EVALUATION COMMITTEE

Chair Jim Knighten reported the committee will be finalized by April and is preparing to review any EMC-S Fellow nominations. They will report on scores and rankings to IEEE by mid-June.

DISTINGUISHED LECTURER PROGRAM

The current DLs for 2013-2014 include Dennis Lewis, Jay Diepenbrock, Vignesh Rajamani, and Vince Rodriguez. The DLs for 2014 – 2015 include Jim Drewniak, Dale Becker, Xiaoning Ye, Yihong Qi, and John Norgard. The report includes metrics for the DL presentations given globally in 2013.

YOUNG PROFESSIONALS

Chair Caroline Chan noted that IEEE GOLD program has been replaced with the term “Young Professionals” and the qualifiers for this designation have been expanded beyond “graduates of the last decade.” Many Young Professional activities are being planned for the EMC 2014 symposium, including a social night and an educational lecture.

REGION 8 REPORT

Chair Frank Sabath reported that as of 31 January 2014 there are 1,452 members of the EMC Society living in Region 8. Of these, 1,191 members are listed as active, 105 as arrears (members that have not

paid their dues), 153 as inactive and four as resigned. Compared to numbers presented at the November 2013 meeting, the number of active members has increased by six members. In the same period, the number of members in arrears decreased by 11, the number of resigned members decreased by 12 and the number of inactive members decreased by one. In general, active IEEE membership in Region 8 is gradually decreasing. He recommends the EMC Society spend an effort in nominating eligible members for a promotion to the Senior Member Grade in an attempt to retain members.

REGION 9 REPORT

Chair Gustavo Fano reported that ARGENCON 2014 of IEEE Argentina Section (<http://argencon.ieee.org.ar/>) will be in the city of Bariloche, Argentina, on June 12, 2014. This meeting will include several papers on EMC and antenna topics. A three day course on EMC by Elya Joffe will be interesting for the people in the region. The help of the EMC Society will be very important with a Distinguished Lecturer or speaker. This event will be an opportunity to increase the memberships of EMC Society.

REGION 10 REPORT

The report of the Region 10 membership coordinators Professor Koga, Er Ping Li, An Hao, Dr. Subbarao and Parvez Javeed was shown.

In India, the IEEE Madras EMC Chapter has conducted several events since the last report and will hold a half day seminar on 21 March 2014 by inviting two international EMC experts, Sergio Pignari and Garth D'Abreu, to benefit local practicing engineers. A preliminary meeting of all signatories for the petition to form a new Chapter in Bangalore, India was held on February 2, 2014. The meeting was held at the ETS-Lindgren office in Bangalore, India. Dr. Subbarao of the IEEE EMC-S Madras Chapter, India was also present during this meeting and provided his valuable inputs on initial and future actions to be taken by the Bangalore Chapter. The 12 signatures on the petition for forming the Chapter will be verified to ensure that all members/signatories memberships for the IEEE and EMC Society are up to date.

In China, future events include the 19th International Exhibition for Electromagnetic Compatibility & Microwave Test and Measurement (EMC 2014), sponsored by the China Electrotechnical Society (CES) from April 28 – 30, 2014 at the Beijing International Convention Center in China. The International Wireless Symposium (IWS) is an annual event in China organized by IEEE MTT-S. IWS 2014 will be held from April 24 – 26, 2014 in Xi'an China. EMC Society membership coordinator An Hao expects to display EMC-S membership brochures and membership applications at these two events.

SECTIONS COORDINATOR

Chair Henry Benitez noted he has sent emails to the Mexico Section EMC-S members that provided email addresses and suggested that they would be interested in helping to form the Chapter. He will target Chapter development in Mexico and provide Mexico Section liaison support. He contacted the Sections Congress program organizers to volunteer to assist in the program as requested from respective IEEE Society/Council representatives for the upcoming 2014 Sections Congress in Amsterdam. He has started involvement with his local IEEE Section in a newly appointed position of "Conferences Mentor" to support Chapters considering hosting conferences.

PACE

Kimball Williams's report on the Professional Activities Committees for Engineers (PACE) includes information on employment fairs, ethics trainings, and professional certification, to name a few topics. Mr. Williams requested that the EMC Society Executive Committee select someone who can take over his primary responsibilities for PACE activities for the Society. He will be glad to 'coach' and 'train' his replacement.

9.0 BYLAWS AMENDMENTS

Mark Montrose presented amendments to the bylaws. (See Montrose Bylaws Amendments Report.) Bruce Archambeault commented on the legality of motion 7.

On Motion 7, Alistair moved to amend the motion to remove the words "endorse or actively campaign" (i.e. so it just says "sign a nomination form"). After much discussion, Alistair called the question. It was moved and seconded to call the question. The motion to approve the amended motion 7 failed. Henry Benitez, Mark Montrose and Amy Pinchuk voted for the motion, Janet O'Neil abstained from voting and the balance of the Board voted against the motion)

On Motion 8, Mark Montrose withdrew the motion.

Mark Montrose moved to approve Motion 1. This involves removing the reference to term limits for Directors-at-Large in Section 3.1 Bylaws (move to Section 5.1). Henry Benitez seconded the motion. Fred Heather moved to call the question. The motion to call the question was seconded and failed. Amy Pinchuk abstained from voting. It was moved and approved to table Motion 1.

On Motion 2, there was much discussion. Bob Scully asked that Mark Montrose work with Ghery Pettit, current chair of the nominations and bylaws committee, on these motions to bring them back to the Board at the continuation of the meeting on the following day. Anyone who is interested in participating on the committee can meet with Ghery tonight following the meeting. It was moved to call the question – this was seconded and approved. Thirteen voted for the motion, one voted against (Henry Benitez), and three abstained (Janet O'Neil, Carlos Sartori and Amy Pinchuk). It was moved and seconded to approve Motion 2a. The motion failed. There were two abstentions (Mark Montrose and Amy Pinchuk) and one vote against the motion (Henry Benitez).

The meeting adjourned at 5:00 pm on February 19.

The meeting resumed on Thursday, February 20, at 9:00 am. (See revised agenda for February 20.)

10.0 IEEE FOUNDATION

Karen Galuchie presented on the IEEE Foundation. (See IEEE Foundation and the EMC Society.) She provided information about the IEEE Foundation, the EMC Society and the IEEE Foundation (including the President's Memorial Award and the James C. Klouda Award), and the IEEE Foundation strategy for the future. The IEEE Foundation also manages the EMC Society Standards Travel Grant.

Discussion ensued related to proposed amendments to the Standards Travel Grant. John Norgard presented amendments to the standards travel grant to ease restrictions on use of the grant money. No

one has applied for this travel grant to attend the standards committee meetings since it was created. It is hoped that if people can attend the standards meetings held in conjunction with the symposium that more people will apply for the grant. **John Norgard moved to amend the standards travel grant to expand the eligible Standards committee meeting venues to include meetings held during the annual IEEE International Symposium on EMC. The motion was seconded and approved.**

Clarifications and requirements for grant applicants were reviewed. These are detailed in Ms. Galuchie's report. She can be reached at k.galuchie@ieee.org

11.0 STANDARDS SERVICES REPORT

John Norgard presented the report of Don Heirman, Vice-President for Standards. (See VP Standards Report.) Leadership of the Standards Development and Education Committee (SDECom) includes Alistair Duffy as Chair and Ed Hare as Secretary. The Vice-chairman position is open. The committee met in Los Angeles on February 18.

The report includes a status of the standards reviewed during the SDECom meeting. There is also a report on Technical Committee (TC) support of Standards in their areas of expertise

On the Standards Advisory and Coordination Committee (SACCom), present leadership continues (John Norgard, Chairman; Andy Marvin, Vice chairman; and Don Heirman, Secretary).

12.0 AWARDS DISCUSSION

Mike Oliver moved to award a one-time Best SI/PI Symposium Paper Award and Best SI/PI Symposium Student Paper Award for the embedded SI/PI Conference in the International IEEE EMC Symposium for 2014. The SI/PI award level will be the same as for the main International Symposium. The existing Best Symposium Paper and Best Symposium Student Paper awards shall be used for non SI/PI (TC-10) papers. The motion was seconded and approved.

13.0 BYLAWS AMENDMENTS - GOVERNANCE

Mark Montrose thanked everyone for their consideration and discussion of the motions presented during the previous day's meeting. He then introduced Ghery Pettit, Constitution and Bylaws committee chair, to present the revised governance motions.

Ghery presented two motions related to governance as follows:

He moved that any person who has served as the President of the Society may not be elected to any position on the Board of Directors once that person has completed his or her term as Immediate Past President. Past presidents are allowed to participate in Board activities in an ex officio status (no vote). The motion was seconded and approved.

Ghery moved that any person who is elected to a Board Officer position and who is also an elected Director-at-Large must vacate the Director-at-Large position on 1 January immediately following his or her election to the Officer position. Director-at-Large vacancies created in this fashion shall be filled by appointment by the sitting President in accordance with Article VI, section 3, of the Constitution. The motion was seconded and approved.

It was noted Mark withdrew the other motions related to governance that he had presented the previous day.

14.0 UPDATES AND OPEN DISCUSSION FROM MULTIPLE BOARD MEMBERS

The following topics were discussed:

Strategic Planning – a 10 minute YouTube video by IEEE on Strategic Planning was shown. After discussion of the video, Bob Scully asked those interested – including Amy Pinchuk, Bruce Archambeault, Colin Brench, Elya Joffe, John LaSalle, John Norgard, Chuck Bunting, Bob Davis, and Alistair Duffy – to form a task force, elect a chair, and report back on progress of budgeting /strategic planning at the next Board meeting.

EMC Outreach to University Students – Amy talked about her less than positive experiences with DL presentations at universities. After discussion, it was suggested Amy work with Chuck Bunting and the Education and Student Activities Committee to coordinate an approach to address this topic.

Annual EMC Global Conference – Fred Heather spoke about the activities of this subcommittee (See EMC Global Conference report). Bob Scully asked that Fred make sure this activity is coordinated with the organizations with which we have Sister Society agreements (India and Australia).

Fred moved to fund the EMC Global Conference committee for up to \$10,000. The motion was seconded and approved.

Clayton Paul GU Syllabus – Colin Brench noted this syllabus is completed for presentation at EMC 2014. It was approved by the GU advisory committee. The syllabus will be distributed to the Board and posted to the EMC 2014 website.

Website status/updates/changes – Flavio Canavero noted he is working with EMC-S webmaster Bruce Archambeault on the website changes. The new page was shown. This effort is expected to be finished by mid-March. The new design has higher flexibility than the current one, but we need fresh and new content. He recommends someone be in charge of validating any new content. He is working with Fred Heather, John Norgard, Amy Pinchuk, Frank Sabath and Carlos Satori to work on social media for the EMC-S and search for new content.

15.0 COMMUNICATION SERVICES

Flavio Canavero presented the Communications report. (See Report of Communication Services.)

TRANSACTIONS

The report of Professor Farhad Rachidi, the Editor-in-Chief of the *IEEE Transactions on EMC*, shows the number of paper submissions is steadily growing. In 2013, the total number of submissions exceeded 400. Thanks to the Board approved motion to publish additional papers, the 200 extra pages for the last issue in 2013 allowed clearing a significant part of the paper backlog. Starting from 2014, with the help of IEEE staff, he hopes to be able to start pagination of new issues as soon as the papers will be available. All of the issues of 2013 were mailed on time. The production schedule for 2014 is the same as in 2013; namely, there will be six issues (February, April, June, August, October and December). The time to publication

from the paper submission date for the last three years continues a positive decreasing trend. The 2012 Journal Citation Reports have been released by Thomson Reuters. The Transactions on EMC *Impact Factor* continues its increasing trend from 2010. The Special Issue on Validation of Computational Electromagnetics (guest editors are A. Duffy, B. Archambeault, A. Orlandi, and C. Bunting) is underway and is scheduled to appear in the second half of 2014. A new Reviewer Appreciation Program will be announced in the EMC Magazine and at the EMC 2014 Symposium Award Luncheon.

MAGAZINE

Editor Janet O'Neil reported the 1st Quarter 2014 issue is in process. It features the regular columns, plus two new ones: 1) Professor Christos Christopoulos (Region 8), a new Associate Editor, will announce the technical "theme" section of the magazine. This is in addition to the regular Practical Papers and Signal Integrity columns. It is targeted to specific, popular issues for EMC engineers and written in a tutorial manner. These invited papers are subject to the same rigorous review process as other technical content in the magazine. 2) Professor Carlos Sartori (Region 9) is our new Associate Editor to revive the "EMC Abstracts" column. This will provide abstracts on the top 25 papers downloaded in 2012-2013 for the *Transactions on EMC* and the *EMC Magazine*. The new, full page table of contents (TOC) will be used for the IEEE generated email blast that notifies members of when the Magazine is posted to *Xplore*. The email blasts will start with the first issue of the magazine this year. Ms. O'Neil plans to attend the annual IEEE Panel of Editors meeting at the end of March 2014 in Chicago.

HISTORY

Dan Hoolihan, Chair of the EMC Society's History Committee, reported the latest issue of the EMC Magazine had Ralph Showers' photo on the cover of the magazine and included an extensive review of his contributions to the Society. He continues to work with Ralph Showers' three daughters to survey and inventory Ralph's extensive collection of EMC papers. JoAnne Yates, a professor at MIT's Sloan School of Management and a historian of business and technology, is now involved with the effort and she reviewed some of the papers the week of January 20. Some of the papers will be sent to the IEEE History Center which has expressed a specific interest in some very early IEEE publications that may be in Ralph's extensive collection.

The History Committee has invited the IEEE History Center to attend the 2014 IEEE International Symposium on EMC in North Carolina and continues to write several articles on EMC Society historical activities for the EMC Magazine.

16.0 TECHNICAL SERVICES

The report of Colin Brench, Vice President for Technical Services, was presented. (See VP Technical Services Report.) He commended ESAC for being extremely active over the past few months. It was a challenge awarding the university grant of \$10,000 for this year. It has been done previously, but this time the IEEE required ESAC to get their approval. The committee needs to know if this was a policy change by IEEE, or if ESAC had done things incorrectly in the past. The Board also needs to complete the award from last year as only \$5,000 of the \$10,000 award was issued.

EDUCATION AND STUDENT ACTIVITIES (ESAC)

ESAC chair Mark Steffka provided a report. New officers of the committee include Dr. Daryl Beetner as vice-chair and Dr. Sarah Seguin as secretary. ESAC has continued to conduct regular monthly teleconference meetings. The meetings are held at a time to encourage international participation, and typically have from six to 10 participants. Three additional meetings were also held during the time period from December 20 to January 13, for a total of five meetings since the last Board of Directors meeting was held. In addition, there has been frequent focused discussion among individual ESAC members outside of the “regular” meetings. The “regular” and “focused” discussions have enabled ESAC to perform a significant amount of work as listed in the report. Notable effort was expended to establish an ESAC “Advisory Board” (of internationally well-known and well respected members of the Society) to assist ESAC in developing the topical content and possible instructors for the “Fundamentals” tutorial and the Clayton R. Paul Global University (GU). ESAC has completed many major milestones in developing a comprehensive education program curriculum for both the EMC Fundamentals Tutorial and the Global University.

TECHNICAL ADVISORY COMMITTEE (TAC)

TAC Chair Bruce Archambeault noted TAC met on February 4, 2014. Discussions were primarily concerning papers, paper review system, and what constituted a ‘required’ vs. ‘suggested’ change for papers. A total of 186 papers were submitted for the annual symposium this year. Some 37% were for the embedded SI/PI conference. A chart of the breakdown by Technical Committee is included in his report. The top three committees in terms of the total percentage of papers received included TC 10 (Signal and Power Integrity) with 38%, TC 2 (EMC Measurements) with 18% and TC 9 (Computational Electromagnetics) with 11%. TAC supported approval of the technical co-sponsorship request for APEMC 2015 in Taiwan. Future TAC meetings for 2014 include May (in-person in Rolla, MO), August (during the EMC 2014 symposium week on Monday and Friday morning), and October.

17.0 ACTION ITEM REVIEW

Secretary O’Neil reviewed the action items discussed during the meeting. An updated, consolidated list of action items will be sent to the Board following the meeting.

18.0 FINANCIAL IMPACT OF APPROVED MOTIONS

Immediate Past President Ghery Pettit reported on the financial impact from the motions presented during the February 19-20 Board meeting including:

- \$50 technical co-sponsorship for APEMC 2015 in Taiwan
- \$10,000 loan to the Global Conference Committee (Fred Heather)

19.0 CLOSING REMARKS - President Scully thanked the Board for attending and contributing to the meeting.

20.0 ADJOURNMENT - The meeting adjourned at 12:15 pm.



Janet O’Neil, Secretary, EMC Society Board of Directors