

APPROVED MINUTES

OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING

**The Institute of Electrical and Electronics Engineers (IEEE)
Piscataway, New Jersey
April 11-12, 2018**

MEMBERS PRESENT (25)

B. Archambeault
T. Braxton
C. Bunting
R. Carlton
C. Chan
L. Cohen
R. Davis (via telecom)
J. Drewniak
A. Duffy
J. Fan
H. Garbe
E. Hare
K. Hatashita
H. Inoue
S. Kaule
J. LaSalle
F. Leferink
J. McLellan
J. Norgard
V. Rajamani
F. Sabath (via telecom)
C. Sartori
M. Violette
T. Wu
X. Ye

ABSENT (2)

D. Lewis
J. O'Neil

GUESTS (5)

J. Deri
R. Donckers
K. Gylling
S. Haddad
J. Santulli (IEEE Staff)

1.0 THE PRESIDENT'S OPENING REMARKS

President Bruce Archambeault called the meeting to order at 9:00 am on Wednesday, April 11. A round of introductions was made. He reviewed Board meeting protocol, the IEEE code of ethics, the EMC Society Field of Interest and Strategic Plan Goals (see President's Introductory Remarks). He reminded Board members of the material on the Board Forum site and asked that everyone remember to review this prior to the Board meetings (<http://ieee.emc-center.org/emcbod/login.aspx>).

2.0 CONSENT AGENDA MOTIONS

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

- Approve April 2018 Meeting Agenda
- Approve Secretary's Report – November 2017 Meeting Minutes

The motion to approve the consent agenda and November 2017 meeting minutes was seconded and approved.

3.0 PRESIDENT'S REPORT

Bruce Archambeault noted the approved motions since the last Board meeting in November 2017 included:

1. Motion to approve the MoU for Financial Co-Sponsorship of the Internet of Things Magazine - passed
2. Motion to approve the Nomination and Appointment (N&A) Committee Charter - passed

On the FinCom meeting also held on April 10, Dr. Archambeault noted all motions must be submitted 30 days in advance of Board meetings to enable FinCom to perform a financial assessment, to provide the Board with financial implications to the EMC Society and to assess download numbers for conference proceedings (a source of revenue to the EMC Society). He reminded Board members about expense report and travel approval deadlines. He briefly reported on the April 2018 Excom meeting and the Feb 2018 TAB series meeting.

4.0 PAST PRESIDENT'S REPORT

Immediate past President Frank Sabath attended via telecom and presented his report as well as two motions to the Board of Directors to review. (See Member Motion N&A Committee and IEEE Code of Conduct.) **The first motion was for the Board to approve the appointment of Frank Leferink and Farhad Rachidi to the Nominations and Appointments (N&A) for the year 2018. The second related motion was for the Board to approve the appointment of Tzong-Lin Wu, Irina Kasperovich and Luigi Koga as member of the N&A Committee for the term 2018-2019. Both motions were seconded and approved.** Nominations for Director-at-Large candidates are due on or before 30 May 2018.

On the IEEE Code of Conduct, **Dr. Sabath moved to approve adopting the core statement: "IEEE members are committed to the highest standards of integrity, responsible behavior, and ethical and professional conduct. The IEEE Technical Activities Board and the IEEE Electromagnetic Compatibility Society Board of Directors reaffirm its commitment to an environment free of discrimination and harassment as stated in the IEEE Code of Conduct, IEEE Code of Ethics, and IEEE Nondiscrimination Policy."**

Mr. Sabath noted this text has been reviewed/vetted by IEEE Legal, Marketing, and Governance departments. This statement is endorsed by IEEE TAB. The motion was seconded and approved.

5.0 PRESENTATION FOR 2022 SYMPOSIUM VENUE

VP of Conferences, Alistair Duffy, introduced Ryan Donckers, Kathryn Guylling, Sonja Haddad, and Jessica Deri from the Spokane Convention and Visitors Bureau. They gave a presentation about Spokane as the proposed venue for the 2022 IEEE EMC+SIPI Symposium. The Site Selection Committee recommended Spokane because it is a cost effective venue with good communication links. Spokane was also endorsed by the FinCom.

6.0 TREASURER'S REPORT

John LaSalle presented his report. (See Treasurer's Report.) He clarified the Board member travel reimbursement policy. This subsidy shall be capped at a maximum allowance as follows:

- \$600 for meetings held during the annual symposium,
- \$1,000 for Intra-regional non-symposium travel (includes regions 1-7),
- \$2,000 for Inter-regional non-symposium travel

As a reminder, only travel (plane or equivalent) and hotel are allowed. BoD members must complete the Volunteer Travel Form and submit it to the President and the Treasurer at least one month before the BoD meeting. IEEE has modified the due date for expense report processing. They will not accept an expense report after 60 days post travel.

Regarding the EMC Society's operations overview for 2017, the target budget is a deficit of \$84,600 [-\$84,600]. This includes the Initiative spending of \$60,000. As of the FM -14 Report (February 2018), the Society finished at a deficit of \$46,400 (-\$46,400). The variance is \$38,100.

The report included the financial status of immediate past and future conferences. The financial surplus/loss for the annual symposiums from 2008-2017 is included in the report. The amount of EMC Society reserves from 2005-2017 was reviewed. Currently, reserves amount to approximately \$2,000,000.

The report also included a review of unanticipated items that negatively affected the budget (higher expenses than anticipated as well as lower revenue than expected). In general, AdCom travel expenses have increased while symposium revenue has decreased.

Mr. LaSalle then presented several motions as follows. All motions below were seconded and approved.

Approve the following 2019 budget parameter for non-member subscription fee price list in accordance with the recommended price as determined by IEEE for 2019.

- Transactions on EMC page count not to exceed **2100** pages (was 1800 for 2018), including indexing pages, and to allow the EMC-S FinCom to make appropriate adjustments in order to assure a balanced budget.
- EMC Magazine page count not to exceed **400** pages
- Journal on EMC Practice and Applications EMC page count not to exceed **212** pages

Approve the following 2019 Budget Parameter:

- Optional member Transactions on EMC (print copy) fee price list in accordance with recommended prices as determined by IEEE for 2019

Approve the following 2019 Budget Parameter:

- Membership fee of \$31 (no change from previous year)

Approve the following 2019 Budget Parameter:

- Committee and Other budgeted expenses not to exceed \$391k (same as 2018 allocation), and to allow the EMC-S FinCom to make minor appropriate adjustments in order to assure a balanced budget

Approve the 2019 symposium Committee loan of \$30,000 with the following ACTIONS:

- 2019 Finance Chair to request loan from EMCS
- 2019 Finance Chair to provide draft symposium committee budget for approval
- 2019 General Chair to provide an MOU with the Society, signed by the society President (completed)
- 2019 Finance Chair to formally request a loan from the EMCS Treasurer. EMCS Treasurer forwards the request to IEEE Conference Finance with supporting paperwork

7.0 MARKETING REPORT

Mike Violette presented a marketing report. (See EMC Society Marketing.) He addressed marketing activities, advertising and branding, IoT and 5G, and events. The objective is to support the EMC Society's Strategic Goal A in addressing emerging technologies (and people), investigating alternative modes of communication and engaging with IEEE Initiatives.

Mike noted he and Larry Cohen would continue as the EMC Society liaisons to the IEEE IoT Initiative. The goal with this initiative is to make IEEE the "Thought Leader and Premier Resource" to the 300+ organizations that currently "do" IoT. The report includes a summary of 5G activity, including a 5G Standards database under development, see <http://consensii.com/ieee5g/>.

Moving forward with Marketing, the goal is to expand and develop tactical objectives, coordinate with our Sister Societies and Technical Committees, develop/maintain a budget for Marketing and identify contractors, as well as oversee co-sponsorships/develop more co-sponsored activities.

The tactical plan for 2018 is to expand online media activities and assess the effectiveness of print media and online harvesting. Collateral materials for trade shows will be developed and other opportunities will be explored. The budget for marketing is \$25K for advertising and \$10K for branding.

8.0 MEMBER SERVICES

Vignesh Rajamani, Vice-President for Member Services, presented his report. (See VP Member Services Report.)

All the major awards will be distributed at the International Symposium at Singapore. The Awards Committee convened via correspondence and a teleconference on Feb. 7, 2018 and has provided their recommendations to the Board of Directors. **Following is a summary of the major awards approved during the meeting:**

Stoddart Award – Bill Radasky

Cumming Award – No nominations received

President's Memorial Award – Maranthe, presented in memory of Paolo Corona

Hall of Fame Award – No nominations received

Technical Achievement Award – Araki, Jiang, Yu and Zeng

Sustained Service Award - Robert Kebel

Honored Member Award – Colin Brench
Klouda Award – Ericson
Young Professional Award – No nominations received
Excellence in Continuing EMC Engineering Award – Keith Armstrong

Don Heirman provided a report on the Completed Careers Committee. The last issue of the EMC Magazine featured the passing of Warren Kesselman past President and Treasurer of the EMCS. Mr. Heirman provided specific inputs needed for placing an EMC member's obituary in the EMC Magazine.

On Chapter activity, Caroline Chan reported that there are 84 Chapters, of which a few are at risk of being dissolved. Many are inactive. Angels and others are needed to help the Chapters in distress. An Excel sheet was shared to show Angels, Chapter Chairs, and number of meetings held in 2017/2018 for each Chapter. Angels can see the trends on where the Chapter is heading (healthy or unhealthy). If a Chapter has less than two technical meetings in three consecutive years, the Chapter will be dissolved.

On the Fellow Nominations and Support Committee, Chair Bill Radasky noted he had received one inquiry regarding the procedures for nominations, and he supported one candidate as a reference. He advised IEEE Fellow nominations are seasonal with November-December being the time when requests for support can usually be expected.

On the Fellow Evaluation Committee, Chair Heyno Garbe advised the committee includes Perry Wilson Vice Chair Evaluator, Bruce Archambeault Evaluator, Dau-Chyrh Chang Evaluator, Jun Fan Evaluator, Jan Luiken ter Haseborg Evaluator. The committee received 10 nominations this year. Last year they received six nominations of which two were successful.

Vignesh Rajamani reported total IEEE Membership down 1.2% since this time last year; total Society Memberships is down 1.1 % since this time last year. EMC Society Membership is down 2.1% (163) to 3,702 (with Affiliates) since this time last year. EMC Society Student Membership is up 12% (6) to 56 since this time last year. Thirteen Senior Member grade elevations occurred since the November 2017 Board meeting.

Frank Leferink discussed EMC Society activity in Region 8. They promoted Region 8 of the EMC Society at the three-day EMV event held February 20-22 at the Dusseldorf Congress Center in Dusseldorf, Germany. The next opportunities to promote Region 8 of the EMC Society includes the SPI 2018 Workshop on Signal and Power Integrity over May 22-25 in 2018 Brest, France and in September at EMC Europe 2018 in Amsterdam. Dr. Leferink is reviewing local events in Region 8, which could be joined with an EMCS mini-symposium. If no national event exists, he will team up with the Chapters to discuss setting up a mini-symposium.

On Region 10 activity, INCEMIC 2018 is planned for November 13-16. It will be held at the same venue as last time – NIMHANS Convention Centre in Bangalore, India. The INCEMIC Officers include Chairman: Dr. DC Pande, LRDE/SEMCEI, Convener – Conference: Keshav E., Complus, Co-convener – Conference: TBD, and Convener – Workshop: Sandeep Satav, RCI.

On the Distinguished Lecturer (DL) Program, Ram Achar reported the three DLs for 2017-2018 include Prof. Andy Marvin (UK), Prof. En-Xiao Liu (Singapore), Dr. Zhiping Yang (US), and Kris Hatashita (Canada). The three DLs for 2018-2019 include Zhong Chen, Director of RF Engineering, ETS-Lindgren, Inc., Dr. Ihsan Erdin, Engineering Design Manager, and Dr. Richard Xian-Ke GAO, Group Manager / Senior Scientist, A*STAR Institute of High Performance Computing, Singapore. The report includes a summary of DL presentations at various chapter meetings and expenses incurred to date. On future activity, the committee will make video DL talks

available to only EMCS members via EMCS membership number protection as a streaming video. Three DLs will be recorded this year the IEEE EMC+SIPI symposium in Long Beach giving their DL presentations.

Kimball Williams reported on The “Professional Activities Committees for Engineers” (PACE) goal: “...promote the professional interests of the IEEE members...”. He summarized future activity. A proposal for a ‘Tutorial’ program of selected soft skills under the banner of TC1 has been accepted by the EMC 2018 planning committee for the Long Beach Symposium. Speakers will be scheduled shortly.

Vignesh Rajamani reported on the active Sister Society agreements, including:

- India - SEMCEI
- UK – IET
- ESD Society
- Australia – EMCSA
- APS, MTT and EMC officially signed sister society agreements
- Japan – IEICE
- PSES – Product Safety Engineering Society.

He is working on securing CPMT as a Sister Society.

Caroline Chan reported on the Young Professionals (YP) activities. Her report detailed the YP plans for events in Singapore at the APEMC/IEEE EMC Symposium in May 2018 and the IEEE EMC+SIPI Symposium in Long Beach, California over July 30-August 3. The goal is to increase participation overall each year in the YP social events, speaker/session chair opportunities, and volunteering in related activities. The vast majority of YPs are aware of our events. Notifications of events and opportunities are distributed through email and social media. Feedback from the YPs helped with website modifications.

Dan Hoolihan provided a report on the History Committee. The IEEE Technical Activities Department maintains an archive of Society AdCom Meeting (Board of Directors in our case) minutes. They are missing some of our past Minutes and reached out to Janet O’Neil for help on finding the missing minutes. Dan was able to assist in this effort and find some of the original hard copy minutes they were missing. He digitized the same and sent them to the IEEE. Minutes discovered, scanned, and sent included: July 11, 1966; March 20, 1967, July 18, 1967; October 16, 1967; March 18, 1968; July 23, 1968; November 16, 1976; April 26, 1977; and August 1, 1977. His report included an update on the on the EMC Legacy I and II projects which include digitized conference proceedings from 1964 to 2014. He noted the IEEE EMCS has a display of EMC test equipment in the National Electronics Museum located near the BWI airport (1745 West Nursery Road, Linthicum, MD 21090).

Vignesh reported on some of our affiliate IEEE activities. IEEE Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests to a career in engineering. Irina Kasperovich is leading the effort from the EMC Society.

Kris Hatashita discussed the new plans for a traveling one-day workshop. He has worked out a rental arrangement with Gabe Alcalá of Advanced Test Equipment Rental for a suite of test instrumentation including portable oscilloscope, spectrum analyzer, network analyzer and signal generator. This rental will be no cost to the Society and is in exchange for acknowledgment and promotion as a sponsor of this undertaking. A set of demonstration printed circuit boards has been identified. He is working with Frank Leferink to get a set of the boards and to ensure that the test instrumentation and the demonstration boards are compatible and that a viable series of relevant demonstrations can be presented using combinations of the test instruments and the

demo boards. Dr. Leferink is working to locate a complete set of the boards. Once this is done, the details of the rental agreement will be completed.

9.0 TECHNICAL SERVICES

Chuck Bunting reported on Technical Services activities. (See Technical Services Report.) Regarding the Education Committee (EdCom), Bob Scully is the Chair. The Co-Chair is Frank Leferink and the Secretary is Kimball Williams. EdCom has held two meetings this year, and will be holding a third meeting at the end of April. EdCom uses Collabratec to post minutes and to facilitate communications amongst interested parties.

On EdCom activity at upcoming symposiums, Frank Leferink has a solid grasp on Singapore Fundamentals, with six speakers. Lee Hill has a solid grasp on Long Beach Fundamentals, with 12 speakers. Vignesh has graciously accepted the position of GU Chair for Long Beach, and will be working with Dale Becker and Bob Scully to pull that together. A unique short course will be presented in Long Beach on antennas, with Constantine Balanis as the star speaker. Zhong Chen, Dennis Lewis, and Bob Scully will also be speaking as part of this event.

Revision of the Experiments and Demonstrations manual is underway with the able assistance of Larry Cohen.

David Pommerenke offered to work with Bogdan Adamczyk and Todd Hubing on the Student Hardware Design Competition, and this is moving along well with boards in fabrication. Several universities were invited to participate.

Tzong-Lin Wu has graciously accepted the position of Student Paper Chair, and is now soliciting for EdCom reviewers for both symposia. For Singapore, the finalists will be expected to present their papers at an on-site presentation, one after the other. The top paper will be selected following this presentation.

It has been a challenge for EdCom to get the Fundamentals and Student Activities organized for both Singapore and Long Beach this year, so there has been little time for other activities. Once the dust settles from symposia preparations, EdCom will begin tackling other topics, such as a cohesive curriculum, proper and correct website presence, and so forth.

Dr. Bunting noted the Technical Advisory Committee (TAC) officers include Xiaoning Ye (Chair), Antonio Orlandi (Vice-Chair), Zhiping Yang (Secretary) and Chuck Bunting (Past Chair). Officer succession is planned for 2019. TAC has had regular meetings to address activity at the Singapore and Long Beach symposiums. Over 400 papers were submitted for the symposium in Singapore with the bulk of papers (178) being submitted from China. The topics areas for paper submittals includes TC-10 (33 papers) on SI/PI, TC-2 (32 papers) on EMC Measurements, TC-4 (31 papers) on EM Interference.

For the Long Beach symposium, over 100 papers were submitted, plus 41 abstract reviewed papers. The highest number of papers (28) were submitted for TC-10 on SI/PI. TC-2 on EMC Measurements received 19 papers and TC-9 on Computational Electromagnetics received 15 papers.

The TAC report includes detailed information on the paper submittals by topic and region, deadlines, schedule, etc. for both the Singapore and Long Beach Symposiums.

10.0 COMMUNICATION SERVICES

Heyno Garbe presented the Communications report. (See Communication Services Report.)

Dr. Garbe noted Antonio Orlandi is stepping down as the Transactions on EMC Editor-in-Chief. Dr. Garbe moved to approve the appointment of Tzong-Lin Wu as the new Transactions on EMC Editor-in-Chief, effective immediately. The motion was seconded and approved. Tzong-Lin Wu abstained from voting.

Dr. Garbe noted we do not have a best paper award for the papers published in the Transactions on EMC Letters. Dr. Garbe moved to create a Best Paper Award from those published in the Transactions on EMC Letters. The motion was seconded and approved.

On the Transactions on EMC, outgoing Editor-in-Chief Antonio Orlandi reported on downloaded and published papers. The number of submissions was steadily growing over the past decade. In 2015, the total number of submissions exceeded for the second year in a row 400, reaching 485. The report shows the statistics on new paper submissions. The number of submissions in 2017 was growing also. In 2017, we have received 592 new submissions (included the papers withdrawn). Note that this number is larger than the number of submissions for the preceding years. Regarding Transactions production, six issues of 2016 and all seven issues of 2017 were mailed on time. The electronic versions of the new issues, now fully paginated, were made available on IEEE Xplore ahead of time. This facilitates the referencing of our papers and increases their interest for downloading by the readers. Since 2016, the median and average of the time to publication as shown in the report is monotonically decreasing up to Q3 2017. In the 3rd quarter of 2017 (last data available from IEEE) the aggregate of all IEEE Publications is also decreasing but this is not a monotonic trend. The monotonic trend of our Journal is a specific indication of the positive running and performing of the IEEE Transactions on EMC due to an accurate and specific monitoring of the respect of the scheduled times for all the phases of the submission-to-publication process.

Note that since 2015 the Impact Factor (IF) has increased. The reason for this increase is probably due to three main factors:

- The increase of the quality of the published papers also related to the new, young, competent Associate Editors;
- The paginated on-line publications of the issues several months in advance of the printed version;
- The shortening, when and where possible, of the review cycle thanks to coordinated efforts of the AEs.

The Advisory Board has approved a new Special Sections for the year 2018: "Advances in lightning modeling, computation and measurement," proposed by Prof. Renato Procopio (I) with Guest Editors Prof. R. Procopio (C), Dr. Y. Baba (J) and Prof. A. Piantini (Br). The deadline for the submission is December 1, 2018 and the estimated publication will be June 2019.

For the EMC Magazine, Editor-in-Chief Janet O'Neil confirmed the plan to move forward with the email blasts to members promoting the top papers downloaded and provide the links for these papers. The goal is to increase the number of downloaded papers. The EMC Magazine is now available for download of the complete issue. This is offered in the quarterly email blast from IEEE HQ for each issue of the EMC Magazine. Due to budget constraints, the EMC Magazine page count will be limited to 400 pages total for the year (four issues).

Ray Perez reported as IEEE Press Liaison. He advised royalties are only reported once/year for the previous year and are reported from June-July. The next report will be received in June 2018 for the year 2017. His report includes a summary of past book titles and royalties received.

Dr. Garbe reported on the following new journals:

- *IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT)* - JMMCT has not reached the required number of published articles in 2017. Therefore, the JMMCT was put on the financial watch list at the Feb 2018 TAB meeting.
- *IEEE Journal on EMC Practical Applications (J-EMCPA)* - The Phase 2 proposal did not pass at the Feb 2018 TAB meeting. The reasons include:
 - The goal of serving practitioners is important for IEEE. The Periodicals Committee (PerCom) commended EMCS for the vision and for the effort. The major concern of PerCom is that practitioners operate in settings, which are different from those of academicians, and in particular, their respective reward systems are different. Practitioners generally have little incentives to write papers, even four-page letter-size papers. PerCom failed to see the existence of special features or innovative aspects that would attract practitioners to write manuscripts.
 - The proposed numbers of pages for Years 1 and 2 seem to be overly optimistic, and first two issues scheduled for 2018 seem to be overly aggressive time wise.
 - Financially, the budget seems to overly rely on over length page charges, and that source of revenue might not be realizable given the nature of papers to be solicited. Without this category of revenue, the proposed budget might be in limbo.

We were encouraged to demonstrate features that will be effective in attracting practitioners to submit manuscripts and to be realistic in terms of content, timeline, and budget.
- *IEEE Transactions on Signal & Power Integrity (T-SIPI)* - Due to the financial situation of the EMC Society, this activity is on hold.

11.0 CONFERENCE SERVICES

Alistair Duffy presented his report. (See VP Conferences Report.) He noted his committee includes:

- International Conference Committee Chair: Tom Braxton
- Symposia Finance Chair: open
- Site Selection Committee Chair: Darryl Ray
- Symposium Publicity Committee Chair: open
- Global EMC Symposia Co-Sponsorship Chair: Dennis Lewis
- Global Post Conference Liaison: Ross Carlton
- Exhibitors' Liaison Chair: Martha Hallman
- Regional Conferences Chair: Janet O'Neil
- Symposium Continuity Committee:
 - John LaSalle
 - Janet O'Neil
 - Bob Davis
 - Rhonda Rodriguez
 - Bonnie Brench
 - Bruce Archambeault

Regarding the online symposium, Dr. Duffy noted that ITEM is requesting a payment of \$5,000 to improve their lead generation services. **Dr. Duffy moved to approve a \$5,000 payment to ITEM to improve their lead generation capabilities. The motion was seconded and approved.**

Dr. Duffy provided a status report on the 2018 Joint IEEE EMC and APEMC Symposium in Singapore. The committee received some 500 papers and accepted less than 400 oral and poster papers. The Advance Program was posted online on March 12. Dr. Duffy recognized the outstanding efforts of the TPC chairs & committee, especially Dr. Richard Gao and publication co-chairs Dr. Zaifeng Yang and Dr. Hui Min Lee!

There are seven workshops and six tutorials planned in 24 time-slots in six parallel conference rooms in parallel on the first day of the conference. The technical program includes a full-range of sessions over three days in a variety of formats: regular sessions, special sessions, topical meetings, embedded conference, as well as six experiments and demonstrations.

Regarding the 2018 EMC+SIPI symposium in Long Beach, there are no issues.

On the 2019 EMC+SIPI Symposium in New Orleans, the conference is progressing as expected. There have been refinements with the venue itself (moving to Hall D) and identifying the locations for the major social events. The call for papers is currently being developed. **Dr. Duffy moved to approve a loan of \$30,000 to the New Orleans Symposium Committee. The motion was seconded and approved.**

On the 2020 EMC+SIPI Symposium in Reno, the planning committee team is partially in place. On the 2021 EMC+SIPI Symposium in Raleigh, there are no issues.

For the 2022 EMC+SIPI Symposium, the proposed venue is the Spokane Convention Center from July 29 to August 5. The food and beverage (F&B) prices are significantly lower than in Washington DC and in Long Beach. There is no rental fee with a \$200,000 F&B minimum. It promises to be an excellent venue with a strong bottom line potential. **Dr. Duffy moved to approve the holding of the 2022 International Symposium on EMC+SIPI in Spokane, WA. The motion was seconded and approved.**

Next Dr. Duffy reported on GEMCCon activity. For GEMCCon 2017 in Brazil, attendance was 84 people from 10 countries. The conference dinner was held in a traditional Churrascaria (grill house). Brazilian laws have made closing out the accounts difficult, but it looks like a turnover over \$22,000 resulted in a surplus before loan repayment, travel and publication charges of \$12,000.

For GEMCCon 2018 in Stellenbosch, this will be held at STIAS, Stellenbosch over November 7–9. The committee is still working on the contracts and sponsorship is being actively pursued.

We have a proposal to hold GEMCCon 2019 in Bengaluru (Bangalore), India, over November 6-9. We are currently getting prices for the Sheraton, which is very near the World Trade Centre and the IEEE office in Bengaluru. Initial leadership includes Dr. Pande (General Chair), Dr. Gope (Technical Chair) and Alistair Duffy. This event will be similar in size and structure to EDAPS2014, organized by Dipanjan Gope. **Dr. Duffy moved to approve the GEMCCon2019 location of Bangalore, India in early November 2019. The motion was seconded and approved.**

Initial ideas for GEMCCon 2020 include SE Asia or possibly returning to Australia or New Zealand.

Regarding Co-sponsorships, 2018 MOUs have been signed with:

- EMCS / APEMC 2018
- EMC Europe
- IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (IEEEIC / I&CPS)
- GEMCCon
- URSI meetings

Co-sponsorship requests receiving 2018 TAC approval and waiting for a completed MOU include:

- Radar Conference
- SIPDA

- Workshop on Signal and Power Integrity (SPI)

Co-sponsorships for 2019 include:

- ESA workshop on Aerospace EMC (application received)
- 2019 Joint Sapporo Symposium on Electromagnetic Compatibility and Asia-Pacific International Symposium on Electromagnetic Compatibility

Dr. Duffy noted IEEE has mandated that all conferences involving the IEEE need to apply plagiarism checks to submitted papers. This is being implemented for all Society conferences immediately. IEEE Meetings, Conferences and Events (MCE) are being incredibly helpful in organizing this. Dr. Duffy is currently looking for someone who can advise conference treasurers in developing budgets from initial approval of the conference working with the Society Treasurer and VP Conferences.

The report included a review of regional conference activity as prepared by Janet O’Neil, Regional Conference Coordinator. This is an area where we can grow our regional presence. Discussions are underway about ‘packaging’ these events to deliver more events in Regions 8, 9 and 10.

The meeting adjourned for the day at 5:00 pm.

Continuation of meeting on Thursday, April 12. President Bruce Archambeault called the meeting to order at 9:00 am.

12.0 STANDARDS SERVICES

Ed Hare, Vice-President for Standards, presented his report. (See Standards Report.) He noted leadership of the Standards Development and Education Committee (SDECom) has not changed and includes Alistair Duffy as Chair, Craig Fanning as Vice-chair, and Ross Carlton as Secretary. The report included a list of the current Standards Committee members (21).

The SDECom met on Tuesday, April 10, 2018 at IEEE in Piscataway, NJ.

SACCom leadership includes John Norgard, Chairman; Andy Marvin, Vice-Chairman; and Don Heirman, Secretary. SACCom also met on Tuesday, April 10 at IEEE. You can find the membership list at <http://www.emcs.org/standards/sacom/sac-members.html>. The reports received will be uploaded soon to the SACCom web page <http://www.emcs.org/standards/sacom/sac-memberreports.html>

For more information on EMC Society Standards, see:

- <http://www.emcs.org/standards/sdecomindex.html>
- http://www.emcs.org/standards/sdecom/Standards_Matrix.html

13.0 CONSTITUTION AND BYLAWS

Immediate-Past President Dr. Sabath presented a report of the Constitution and Bylaws (C&BL) Committee. **Dr. Sabath moved to approve the following changes in the Constitution and Bylaws:**

- **Specifically states that Past Presidents may not again serve as elected Presidents of the EMC Society.**
- **Eliminates the prohibition for election of Ex-Officio Directors and Past Presidents to the Board of Directors**

- Requirement that Past Presidents must be Director-at-Large to be eligible for election to VP position
- Limit the number of Past President serving as Vice-Presidents is a maximum of two persons

Dr. Sabath explained reasons and changes of both documents in detail. The motion was seconded and approved.

Dr. Sabath also distributed current copies of the Constitution and Bylaws. Both documents were revised in April 2018.

14.0 OLD BUSINESS

No old business was presented.

15.0 NEW BUSINESS

IEEE/EMC Video Library – Kris Hatashita has been in contact with IEEE personnel who set up the video library and website for charging access to the digital content. He has also been in touch with Confex and ITEM Media in order to track down the media to consolidate under the EMC Society website.

16.0 FINANCIAL IMPACT OF MOTIONS

Bruce Archambeault summarized the financial implications of the approved motions. (See Financial Implications of Approved Motions.)

17.0 ACTION ITEM REVIEW

Vignesh Rajamani 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 SUMMARY AND CLOSING REMARKS

President Bruce Archambeault thanked everyone for attending the meeting. The next series of Standards and Board meetings will take place all day on Sunday, July 29 and on Thursday evening, August 2 at the Hyatt Regency Hotel in Long Beach, California. This is the host hotel for the 2018 IEEE EMC+SIPI Symposium to be held July 30-August 3.

The meeting adjourned at 12:00 pm.

Submitted by:



Janet O'Neil
Secretary, EMC Society Board of Directors