EMC Society Board of Directors Meeting

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

The President’s Opening Remarks


The meeting agenda was reviewed and approved. The November 2017 Board meeting minutes were approved. Dr. Archambeault noted the approved motions since the last Board meeting in November 2017 included approval of the MoU for financial co-sponsorship of the IEEE Internet of Things Magazine and approval of the Nomination and Appointment (N&A) Committee Charter.

On the Financial Committee (FinCom) meeting 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 advance of Board meetings to enable FinCom to perform a financial assessment, to provide the Board with financial implications.

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 FinCom.

Past President’s Report

Immediate past President Frank Sabath was not in attendance to present his report; however, he previously sent two motions to the Board of Directors to review. The Board approved the appointment of Frank Leferink and Farhad Rachidi to the Nominations and Appointments (N&A) Committee for the year 2018. The Board also approved the appointment of Tzong-Lin Wu, Irina Kasperovich and Luigi Koga as members of the N&A Committee for the term 2018-2019.

On the IEEE Code of Conduct, the Board approved 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.”

Marketing Report

Mike Violette presented a marketing report. 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/. 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.

**Member Services**

Vignesh Rajamani, Vice-President for Member Services, presented his report. He talked about the distribution of the EMC Society Annual Awards at the upcoming Singapore and Long Beach Symposia. Discussion took place on the nominated candidates for the major awards. 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-Chyhr Chang Evaluator, Jun Fan Evaluator, and 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 Membership is down 2.1% since this time last year; total Society Memberships is down 1.1% since this time last year. EMC Society Membership is down 2.1% since this time last year. EMC Society Membership is down 2.1% since this time last year. EMC Society Membership is down 2.1% since this time last year.

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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., 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.

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.

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 at 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.

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 rentals arrangement with Gabe Alcala of Advanced Test Equipment Rentals 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.

**Technical Services**

Chuck Bunting reported on Technical Services activities. 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 Collaborate 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 presented to present their papers at an on-site presentation, one after the other. The top paper will be selected following this presentation.

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 majority (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.

Communication Services

Heyno Garbe presented the Communications report. Dr. Garbe noted Antonio Orlandi is stepping down as the Transactions on EMC Editor-in-Chief. The Board approved the appointment of Tzong-Lin Wu as the new Transactions on EMC Editor-in-Chief, effective immediately. The Board approved creating a Best Paper Award for the Transactions on EMC Letters.

On the Transactions on EMC, outgoing Editor-in-Chief Antonio Orlandi reported on downloaded and published papers. The number of submissions has been 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 (including 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. Note that since 2015 the Impact Factor (IF) has increased.

The Advisory Board has approved a new special issue for the year 2018: “Advances in lightning modeling, computation and measurement,” with Guest Editors Prof. R. Procopio, Dr. Y. Baba, and Prof. A. Piantini. 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.

Dr. Garbe reported on the 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 February 2018 TAB meeting. Regarding the IEEE Journal on EMC Practical Applications (J-EMCPA), the Phase 2 proposal did not pass at the February 2018 TAB meeting. The IEEE Periodicals Committee failed to see the existence of special features or innovative aspects that would attract practitioners to write manuscripts. On the IEEE Transactions on Signal & Power Integrity (T-SIPI), due to the financial situation of the EMC Society, this activity is on hold.

Conference Services

Alistair Duffy presented his report as VP for Conference Services. Regarding the online symposium, Dr. Duffy noted that ITEM is requesting a payment of $5,000 to improve their lead generation services. The Board approved this payment.

Dr. Duffy provided a status report on the 2018 Joint IEEE EMC and APEMC Symposium in Singapore. The committee received some 450 papers and accepted less than 400 oral and poster papers. Dr. Duffy recognized the outstanding efforts of the TPC chairs and committee, especially Dr. Richard Gao and publication co-chairs Dr. Zai-
feng Yang and Dr. Hui Min Lee! 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 and identifying the locations for the major social events. The Board approved a loan of $30,000 to the New Orleans Symposium Committee. 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 prices are significantly lower than in Washington DC and in Long Beach. It promises to be an excellent venue with a strong bottom line potential. The Board approved holding the 2022 International Symposium on EMC+SIPI in Spokane, WA.

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. The Board approved the GEMCCon 2019 location of Bangalore, India in early November 2019.

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 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.

Standards Services

Ed Hare, Vice-President for Standards, presented his 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/saccom/sac-members.html. The reports received will be uploaded soon to the SACCom web page http://www.emcs.org/standards/saccom/sac-memberreports.html

For more information on EMC Society Standards, see:
http://www.emcs.org/standards/sdecomindex.html

Constitution and Bylaws

Dr. Archambeault reviewed the Past President’s report of Frank Sabath about the Constitution and Bylaws. Regarding the Constitution and Bylaws (C&BL) Committee, the Board approved 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 a Director-at-Large to be eligible for election to a VP position; and, limit the number of Past Presidents serving as Vice-Presidents is a maximum of two persons. Dr. Sabath also distributed current copies of the Constitution and Bylaws. Both documents were revised in April 2018.

New Business

IEEE/EMC Video Library – Kris Hatashita noted he 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.

Summary and Closing Remarks

President Bruce Archambeault thanked everyone for attending the meeting. The next series of 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