

APPROVED MINUTES

OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING

The Movenpick Hotel

Stuttgart, Germany

March 27-28, 2017

MEMBERS PRESENT (20)

B. Archambeault

T. Braxton

C. Bunting

R. Carlton

C. Chan

A. Duffy

H. Garbe

E. Hare

J. Hill

I. Kasperovich

F. Leferink

D. Lewis

M. Montrose

J. Norgard

J. O'Neil

V. Rajamani

F. Sabath

C. Sartori

M. Violette

T. Wu

ABSENT (8)

L. Cohen

R. Davis

J. Fan

H. Inoue

J. LaSalle

V. Rodriguez

R. Scully

X. Ye

GUESTS (5)

L. Hill

S. Kaule

J. Medler

M. Tröscher

M. Yamaguchi

1.0 THE PRESIDENT'S OPENING REMARKS

President Frank Sabath called the meeting to order at 9:00 am. A round of introductions was made. He welcomed the newly elected Board members present for the term 2017-2019: Alistair Duffy, Frank Leferink, Mike Violette, and John Norgard. 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 items:

- Approve March 2017 Meeting Agenda
- Approve Secretary's Report – November 2016 Meeting Minutes
- Approve Certificate of Appreciation, of Acknowledgement and Recognition Awards (as previously circulated to the Board)

The motion to approve the consent agenda motion was seconded and approved.

3.0 PRESIDENT'S REPORT

Frank Sabath reviewed the activity of the Excom meeting held the previous evening. The meeting addressed administrative points including the agenda review, motions to be presented, etc. All items discussed are included on the meeting agenda. (See President's Report.)

He noted there were no motions made since the last Board meeting.

Frank Sabath reviewed the EMC-S representatives to the IEEE Councils. This included Frank Sabbath for the Sensors Council and for the Nanotechnology Council Chris Holloway (2016-2018) and Maria Sabrina Sarto (2017). The additional Councils and Communities include:

- Transportation Electrification Community – Bob Scully
- Technical Member Benefits – Bruce Archambeault
- IoT – Mike Violette and Larry Cohen
- Environment Engineering –
- Group of Hardware Societies – Mark Montrose volunteered to be the representative to this position

Frank will ask these representatives to submit a report on their activity to Chuck Bunting, VP Technical Services, for each Board meeting.

Regarding the Excom telecom meeting held on February 23, 2017, discussion was held on Member-at-Large Directors not holding a position or who do not have a task on the Board. Some 25% of Board members do not have a position/task on the Board. Assistants appointed to the Secretary/Treasurer positions include Dennis Lewis (Secretary) and Dave Staggs (Treasurer). The Excom discussed the travel ban and its potential impact on EMC Society members. The Excom discussed offering the broadcast sessions at the Symposium to those affected by the travel ban at a special price.

At the IEEE TAB meeting, Frank Sabath noted TAB has requested that our Board actively manage our conferences. EMC Society delegates to our conferences are expected to submit a report on the conference to Ross Carlton. He showed the statistics on the total number of IEEE conferences; the attendance numbers are increasing from 2011-2016.

Frank Sabath reported that the IEEE's global offices would like to support all IEEE Societies to achieve their strategic goals in local markets. The global offices in the Asia-Pacific are located in Beijing, Bangalore, Singapore and Tokyo. Bruce noted the 2018 EMC and SI/PI Symposium in Singapore would be supported by the IEEE office there. IEEE TAB has created an ad hoc committee on China and India. The purpose is to formulate and implement long- and short-term strategies for holistic growth in China and India.

Frank Sabath noted membership in the EMC Society is down 4.4%; our goal was to grow membership by 4%. What can the Society do to increase membership?

4.0 PRESIDENT-ELECT REPORT

Bruce Archambeault noted the discussion at the strategic planning meeting. The Young Professionals, China and India are getting more attention for membership recruitment, involving test labs in these areas to recruit new members, symposium broadcast plans, DL and Respected Speakers bureau presentations available on ieev.TV.

For the Board meetings in 2018, there will be an Excom meeting in Singapore; the first meeting of 2018 will be in April 10-12, 2018 in Piscataway, NJ.

5.0 TREASURER'S REPORT

John LaSalle's report was reviewed by Frank Sabath in his absence. (See Treasurer's Report.) The Board travel policy was reviewed. On the 2016 Operations Overview, the target budget is a deficit of \$84,600 [-\$84,600]. As of FM14 (Prelim), the EMC Society is operating at a deficit of \$50,400, under budget. The variance is \$34,200. Investment returns are up \$140,900 [from budget]. Periodicals are down \$54,400, Conferences are down \$52,500 and Committee/Other expenses are up \$1,300. John LaSalle noted the final year-end 2016 reserve balances will be adjusted for the Global Spec purchase. The report reviews the EMC Society initiative expenses for 2016 and 2017.

In response to concerns raised by some Society/Council Presidents, Treasurers and other volunteer officers relating to the end-to-end process of obtaining goods and services, John LaSalle noted a new IEEE staff team has been formed. This cross-functional staff team, the Procure to Pay (P2P) Process Review Team, will evaluate IEEE internal processes and policies to ensure we are balancing the need for required internal controls with the flexibility and simplicity that is necessary to enable the business to work both effectively and efficiently. Purchase orders are required in advance for goods and services over \$1,000. A formal written contract should be utilized for any order placed. This allows for a clear understanding of the responsibilities and deliverables in order to protect both parties. The report outlines other requirements and guidelines under the new P2P process.

A review of conference surplus income history from 2008-2016 is included in the report. The surplus projection for the EMC Society symposium held last August in Ottawa is \$268,658 USD.

The following motions were moved and seconded at the conclusion of the Treasurer's Report. All were approved as stated below:

1. Approve the 2018 budget parameter: Non-member subscription fee price list in accordance with the recommended price as determined by IEEE for 2018.
2. Approve the 2018 budget parameter: 2018 Transactions on EMC page count not to exceed 2,100 pages, including indexing pages, and to allow the EMC-S FinCom to make appropriate adjustments in order to assure a balanced budget.
3. Approve the 2018 budget parameter: Optional member Transactions on EMC (print copy) fee price list in accordance with recommended prices as determined by IEEE for 2018 (2017 Transactions on EMC, \$50).
4. Approve the 2018 budget parameter: EMC Society membership fee of \$31 (no change from previous year).
5. Approve the 2018 budget parameter: Committee and Other budgeted expenses not to exceed \$303,000, and to allow the EMC Society FinCom to make minor appropriate adjustments in order to assure a balanced budget.

6.0 MEMBER SERVICES

Vignesh Rajamani, Vice-President for Member Services, presented his report. He started his report with a discussion of EMC Society Awards to be presented at the Symposium in Washington DC. (See VP Member Services Awards Report.) The Awards Committee members include Bruce Archambeault, Er-Ping Li, Andrew Marvin, Farhad Rachidi and Perry Wilson (Chair).

Following is the list of awards discussed and the approved awardee:

- Richard R. Stoddart Award for Outstanding Performance – Antonio Orlandi
- Laurence G. Cumming Award for Outstanding Service – Don Sweeney
- EMC Society President’s Memorial Award - Ms. Biyao Zhao (Missouri University of Science and Technology);
The award will be presented in memory of Bill Duff
- Hall of Fame Award - Don Heirman and Marcello D’Amore
- Technical Achievement Award - Dr. Mutnury, Dr. Qi, Fernan Silva, and Mr. Ye (On the motion for Dr. Qi, Frank Sabath and Heyno Garbe abstained from voting.)
- Sustained Service to the Society Award - Don Heirman, Colin Brench, and John Maas
- James C. Klouda Memorial Scholarship Award - Nathan King (Boise State University)
- Symposium Chair Award – Kris Hatashita

The names proposed for the Certificate of Appreciation, Acknowledgement and Recognition as shown in the Awards Report were all approved.

Vignesh noted that no nominations were received for the Honored Member, Outstanding EMC Educator, and University Grant Awards.

Vignesh then presented the report of Member Services. (See VP Member Services Report.) Total IEEE Membership up 0.8% since this time last year; total Society Memberships is up 0.5% since this time last year. EMC Society Membership is down 4.4% (171) to 3,783 (with Affiliates) since this time last year. EMC Society Student Membership is also down 3.8% (2) to 50 since this time last year. Twenty-three Senior Member grade elevations occurred since the November 2016 Board meeting.

There was an on-line Membership Survey in September 2016 with more focused questions on areas where we did not score well last year. Lesleigh Campanale from IEEE HQ helped with the questions. Vignesh reviewed the preliminary results of the survey. The response rate was approximately 77%. The EMC Society is performing well in most areas (satisfaction). There is room for improvement in certain areas such as outreach and education.

Vignesh reviewed the activity of the following IEEE organizations/groups:

- ▶ **WIE – Women in Engineering**
 - 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 leading the effort from the EMC-S side.
- ▶ **EPICS - Engineering Projects in Community Service**
 - EPICS in IEEE empowers students to work with local service organizations to apply technical knowledge to implement solutions for a community's unique challenges. In this way, EPICS in IEEE not only assists communities in achieving their specific local community improvement goals but also encourages students to pursue engineering for community improvement as a career.
- ▶ **SIGHT - Special Interest Group on Humanitarian Technology**
 - The Special Interest Group on Humanitarian Technology (SIGHT) program is a network of IEEE volunteers around the globe that partner with underserved communities and local organizations to leverage technology for sustainable development.
 - MTT is heavily involved and so is APS. The EMC Society should get involved in this group.

On the Distinguished Lecturer program, the 2017-2018 lecturers include Prof. Andy Marvin (UK), York University, York, UK; Prof. En-Xiao Liu (Singapore), Institute of High Performance Computing, Singapore; Dr. Zhiping Yang (US), Google Consumer Hardware Group, Mountain View, CA and Kris Hatashita (Canada), Canadian Department of National Defense, Canada. A detailed summary of the lectures given and expenses incurred is included in the VP Member Services Report.

Discussion was held on the Respected Speakers Bureau and a new proposal to activate the strong team of speakers as well as to use its standing/network to further the EMC Society's mission. Vignesh proposed that universities can invite the speakers, provided they share at least half the cost of the related travel expenses. Such trips are subject to the approval from the DL chair. For the year 2017, the DL Chair along with the VP will look into requests and support up to four requests of this kind from the existing DL budget. Depending on its success, we will include it as a separate budget item in the next year's budget. The majority of Board members approved new proposal; however, they would want to see metrics that show the new members obtained as a result of one of these talks.

Regarding the EMC Chapters globally, we currently have 84 chapters, but many are dormant. The Chapter Angels and others are needed to help the chapters in distress.

Following is a list of the active Sister Society agreements (SSA):

- India - SEMCEI
- UK – IET
- ESD Society
- Australia – EMCSA
- Signed agreement between APS and MTT
- Japan – IEICE

The agreement with PSES will be signed at the next TAB meeting.

Caroline Chan reported that several Young Professionals (YP) activities are planned for the 2017 IEEE EMC SIPI Symposium in Washington DC. These include social as well as educational events. The committee will invite the

local Young Professionals from the DC area to attend. Moving forward, she is providing training for her successor next year (Al Frye, allanfrye5@gmail.com). She is also mentoring Student Liaison Joseph Vas (jvvas@ieee.org). Vignesh reported that five students received the stipend provided by the New Student Initiative to attend the Ottawa Symposium last year. The program was well received and will continue this year. For reference, the New Student Initiative “Creates a stipend to encourage and increase the involvement of graduate students and young scientists in the field of Electromagnetic Compatibility. The stipend would provide the equivalent of up to \$2,000 per person, for no more than five full-time students, to cover expenses associated with attendance at an EMC symposium for which they are the presenter of an accepted paper and a first timer at the conference. Students would need to apply for the stipend; recommendations from supervising professors would be required.”

The report concluded with updates on PACE, the Fellows Evaluation Committee, Sections Coordinator activity, and the History Committee. Vignesh noted Heyno Garbe is new Chair of Fellows Evaluation Committee; Jim Knighten is the new Vice-chair. Bill Radasky is the Chair of the Fellows Search Committee.

7.0 TECHNICAL SERVICES

Chuck Bunting reported on Technical Services activities. (See Technical Services Report.) He noted the Technical Advisory Committee (TAC) officers include Chuck Bunting (Chair), Xiaoning Ye (Vice-Chair), Antonio Orlandi (Secretary) and Jun Fan (Past Chair).

For the 2017 Symposium in Washington DC, 232 papers were submitted. Of these, the top breakdown by Technical Committee (TC) was 29 papers for TC-2 (EMC Measurements) and 50 papers for TC-10 (embedded SI/PI conference). There were 51 abstract reviewed papers submitted. The report shows the accepted number of papers as of March 20, 2017 (176 papers).

Regarding technical co-sponsorship requests since the last Board meeting, EMC China, TAC unanimously approved the 5th International Symposium on Electromagnetic Compatibility in January 2017. Regarding GEMCCON 2017 in Sao Paulo, TC chairs will be solicited for workshops, tutorials, special sessions and short courses. Proposals are due May 14, 2017.

Regarding the Education Committee, Sarah Seguin is the Chair. Bob Scully is the Secretary. A Vice-chair should be announced soon. The committee’s goal is to have a “unified” curriculum fully coordinated and supported by EdCom that will include “Fundamentals” and “Global University” (GU). The Fundamentals Chair is Lee Hill; the Global University Chair is Dale Becker.

On the EMC Experiments Manual, Larry Cohen and Sarah Seguin are working on the hardware experiments update; CJ Reddy, Matthias Tröscher, and Randy Jost are updating the electromagnetic modeling content. Other input is invited from the Board.

There is no Student Hardware Design Competition this year since Bogdan Adamczyk stepped aside in managing this activity. EdCom is actively seeking and examining options for leading the student hardware design competition in 2018. On the Student Paper Competition, Chuck Bunting lead the Student Paper Competition in 2016, but due to other commitments will be unable to do so for 2017. EdCom is currently looking for volunteers to lead this effort.

Tzong Lin Wu volunteered to be the Student Paper review chair for EMC 2017.

8.0 MARKETING REPORT

Mike Violette presented a marketing report. (See EMCS Marketing.) The objective is to support the EMC Society's strategic goals. He reviewed marketing plan elements (such as industry alliances, among others) and products of value (such as emerging technologies like IoT and employer positivity, among others). China is a target area for EMC Society membership growth. A key element of the program is branding. His report included several new ads created to promote the EMC Society and new booth designs. They will continue to expand the on line presence of the EMC Society and address the emerging hot topics of IoT and 5G.

9.0 COMMUNICATION SERVICES

Heyno Garbe presented the Communications report. (See Communication Services Report.) Regarding the Transactions on EMC, the page budget for 2018 is estimated at 2,100 total pages, including six regular issues and one special issue of 300 page per issue. On the backlog, the April, June and August (Parts I and II) issues are already completed (with some 25-28 papers per issue). They will be available on-line in the next three weeks with print copies published per the monthly schedule. The October issue will be completed soon. It includes 29 papers. Fifteen papers are currently assigned for the December issue. Heyno discussed the timeline of the Transactions papers showing the expedited time between submission of the paper and the on line posting of a paper. The Board agreed this time frame does not need to be reduced further.

Regarding the EMC Magazine, logistics need to be finalized in order to distribute a low resolution PDF of an entire issue to all members. This will be provided via a link to the low-resolution issue to EMC Society members that they can download for a limited time, i.e. similarly to the way the annual symposium proceedings are distributed to members. Discussion has taken place on having a Chinese translation of an issue of the EMC Magazine, but the implementation has not been defined to date. On the abstract-reviewed papers (formerly "Industry Papers") from the 2015 IEEE Symposium on EMC and SIPI, Jun Fan compiled these for publication in the EMC Magazine. Of the 14 abstract-reviewed papers submitted to the EMC Magazine, after the careful review process, six of them (approximately 43%) were found not suitable for publication. Thus, eight accepted papers were published in the EMC Magazine, 4th Quarter 2016 issue.

Heyno reported on the IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT). Ross Stone was elected by the steering committee as new chair. The Special Issues/Sections planned for 2018 include:

- Multiscale and Multiphysics Computation for Metamaterials
- IEEE NEMO2016 Special Section
- IEEE ICCEM2017 Special Section

Planning continues for the new IEEE Journal on Electromagnetic Compatibility Practice and Applications (JEMCPA). Symposium papers are the basis for the new journal. The report provides details on the submittal, review, and publication process. Additional tools are available at IEEE Xplore.

Regarding the new IEEE Transactions on Signal & Power Integrity (T-SIPI), Bruce Archambeault has taken over the lead in the group to set-up this new journal. The decision was made to focus on the new JEMCPA. Once that journal is successfully launched, Bruce will start the process for creating the new TSIPI.

On the EMC Society website, Tom Braxton gave a brief report. (See Website Update Report.) He is the website contact for updates, changes, and requests. Shannon Archambeault maintains and administers the site and provides technical support. A remodeled and consistently branded website is a necessary tool in achieving the Society's strategic goals. His committee would like to bring the website into the 21st century in a coordinated and cost-effective way. There is a host of appearance options; several were shown in the report. A more attractive

website requires a complete rebuild since the current site is a legacy structure done in raw HTML code. The goal for the site is to serve as support to members, for outreach (WIE, YP, EPICS, SIGHT, etc.), and as a promotional and educational vehicle for the general public. Website support needs to be folded into the Communications and Marketing programs. The Marketing team is anxious to use an attractive site as a component of its larger effort. A rebuild requires different tools, additional cost, and a commitment to maintenance. The current budget is \$10,000/year for maintenance. No formal quote for a rebuild is in hand, but it would exceed \$5,000. As an option, this could be combined with the marketing initiative. The Board agreed to ask experts (professional website designers) for their ideas on restructuring the website.

Joanna Hill reported the EMC Society Social Media effort has opened Facebook and LinkedIn pages. The growth of the EMCS Social Media readership effort continues.

10.0 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: Bob Hofmann
- Site Selection Committee Chair: Darryl Ray
- Symposium Publicity Committee Chair: open
- Global EMC Symposia Co-Sponsorship Chair: Alistair Duffy
- 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

For EMC 2017, the response to the call for papers was very solid with over 150 full papers submitted and over 50 abstract-reviewed papers submitted. Seven parallel technical sessions are scheduled over Tuesday, Wednesday and Thursday. To date there are 151 confirmed booths. Three panel discussions are planned, including one on Women in Engineering and two on "Ask the Experts".

Regarding the new on-line program, the free to on-line attendees content includes the keynote speech, several technical (non-commercial) sponsored talks, and exhibitor product demos (commercial).

The 2018 Joint IEEE International Symposium on Electromagnetic Compatibility and Asia-Pacific Symposium on Electromagnetic Compatibility will be held in Singapore over May 14-17. The General Chair is Liu Enxiao (IHPC); the Co-Chairs are Er Ping Li and Bruce Archambeault. The organizing committee consists of EMC Society members and local Singapore APEMC members.

Alistair moved to approve an \$18,682 (approximate) payment to support the organisation of the 2018 joint International Symposium on EMC/APEMC. The motion was seconded and approved. (Secretary's Note: This will be processed as a loan rather than as a payment.)

In 2018, the IEEE EMC Symposium will be jointly held with the AP EMC conference in Singapore. The symposium general chair is Er-Ping Li; the technical program chair is Jun Fan.

The report includes a review of future symposiums EMC 2018 in Long Beach thru EMC 2020 in Reno. For 2021, this will be a combined IEEE EMC+SIPI Symposium and EMC Europe, as was held in 2015 in Dresden.

On the GEMCCON activity, the audit for the Adelaide, Australia (November 2015) event has been completed. The committee will transfer \$30,362.74 USD after tax to the EMCS. On the 2016 Buenos Aires, Argentina event on 7-9 November, the committee will transfer \$1,073.69 USD to the EMCS. For 2017, GEMCCON will be held in Sao Paulo, Brazil on November 8-10; Carlos Sartori is the Chair. The call for papers is published at <http://gemccon2017.emcss.org/>. In 2018, the event will be held in South Africa (Stellenbosch) in the month of March.

The report includes a summary of 2016 and 2017 (to date) conferences co-sponsored by the EMC Society. The financial/technical arrangements negotiated with each conference are shown in the report.

There is one pending request for technical co-sponsorship from EMC' Beijing to be held over October 19-22, 2017 in Beijing, China. TAC recommends approval. There is no financial impact with this request.

Alistair moved to approve technical co-sponsorship for the 5th International Symposium on Electromagnetic Compatibility (EMC' Beijing, 2017) in Beijing, China. The motion was seconded and approved.

The report includes 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.

Regarding Young Professionals (YPs) involved in the EMC Society symposia, an eBlast has gone out to YPs for this year to see who would be attending the symposium and who would be interested in co-chairing a session. This information was provided to the TC chairs. It has been suggested that a policy is introduced to encourage at least 30% of the sessions at our international symposia to be co-chaired by a YP.

The report concluded with a review of the Board of Director delegations to the 2017 technically co-sponsored conferences.

The meeting adjourned for the day at 6:05 pm.

Continuation of meeting on March 28. President Frank Sabath called the meeting to order at 9:00 am.

11.0 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) includes Alistair Duffy as Chair, Craig Fanning as Vice-chairman, and Ross Carlton as Secretary. Joanna Hill and Jens Medler are new members of the SDECom. Ross is the new secretary replacing Ghery Pettit who has stepped down. Joanna Hill will serve as the SDECom Social-media presence. Jens Medler will be SDECom reporting liaison to IEC and CISPR. SDECom now consists of 20 members who are listed in the report.

SDECom held a meeting on March 26. It has the common committee problem of uneven workload. Ed noted Alistair could continue as chair only if we can share the workload between all committee members. Several major functions were described and assigned during the meeting on March 26. SDECom leadership and the VP of Standards will work out additional tasks and identify responsible people to implement these tasks. Regarding strategy and planning, SDECOM is evaluating how relevant are our standards. A number of new standards are under development. SDECom needs to do more outreach to industry, to let them know that they are capable of writing standards, that they will have support and that SDECom is looking to sponsor standards to meet their needs. The developing areas are smart-grid, Internet of Things, and 5G broadband. SDECOM will outreach to other Societies and standards development organizations.

Ed provided a review of current EMC Society standards under four categories: Stable Current Standards, Standards Being Updated, New Standards under Development, and Standards with Problems. SDECOM has noted there are other societies developing EMC standards, such as Power and Energy, Communications, 802.XX, etc. Other standards appear to contain EMC components. Ed observed that not many Board members attend the SDECom meetings. He asked Board members what standards development organizations they may be involved in to encourage engagement from the Board.

SDECom will hold a meeting during the 2017 EMC and SIPI symposium in National Harbor, MD this August. It is an open meeting; all are welcome to attend.

For more information on EMC Society Standards, see:

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

http://www.emcs.org/standards/sdecom/Standards_Matrix.html

12.0 OLD BUSINESS

The following topics were discussed under Old Business:

Germany Chapter Meeting: Chapter Chair Christian Schuster welcomed everyone to attend the Germany EMC Chapter meeting to be held on Wednesday, March 29.

EMV Conference: Heyno Garbe relayed some information about the EMV conference taking place in Stuttgart over March 28-30. Mesago has organized the EMV show since 1988. There are 118 exhibitors this year that is 15% more than last year. There is a 10% increase this year in workshop registrations. We will have a joint booth shared by the EMC and Product Safety Societies. The EMC and Product Safety Societies have organized a workshop, which currently has 40 attendees. There are 40 international exhibitors; the balance is from Germany. The EMV conference alternates yearly between Dusseldorf and Stuttgart. The cooperation with IEEE started last year. The EMC Society has a booth at this conference; Mesago will have a booth at the EMC Symposium in Washington, DC. There are 39 workshops scheduled this year; people have to pay to attend PER workshop. A few workshops are presented in English; the majority is presented in German. About 80% of the attendees at the EMV conference are from Germany. More than 1,000 people have registered for the workshops.

Heyno noted the Dusseldorf EMV conference focuses on the classical format with an exhibition and papers – it is considered the academic part of the two conferences. In Stuttgart, the focus is on the workshops and the exhibition. There are no papers or invited papers in Stuttgart – it is considered the “practioners” part of the two conferences.

13.0 NEW BUSINESS

The following topics were discussed under New Business:

Past Presidents on Board of Directors: Chuck Bunting reported on an old policy related to past presidents not being able to participate on the Board of Directors. He showed the revision to the policy. (See Motion to BoD Past Presidents rev 2.) Chuck moved to modify the policy per the text highlighted in yellow, i.e. "Past presidents may be elected for the position of director-at-large two years following expiration of their term as immediate past president." Bruce Archambeault moved to table the motion until the August 2017 Board meeting. The motion to table was seconded and approved.

EMC Society Membership in Developing Countries: Mike Violette asked about having a discounted EMCS membership dues rate for new EMCS members in developing countries where the discounted IEEE member fee applies. This would help recruit new members in locations such as India and China.

Meeting Summary: Frank Sabath summarized business for the two-day Board meeting, operational planning meeting and the standards committee meetings. The report shows our business is on track. We are trying new things (digital symposium) to move our Society forward. We have plans for two additional publications as well as a new joint journal with other Societies. He appreciates all the reports submitted and thanked the Vice-Presidents for presenting them. He thanked everyone for attending. It was a good idea to hold the meeting in Stuttgart in conjunction with EMV.

14.0 FINANCIAL IMPACT OF APPROVED MOTIONS

Bruce Archambeault summarized the financial implications of the approved motions:

\$12,580 for Awards (two approved motions above)

\$18,682 for payment to EMC 2018 in Singapore (this is an approximate amount since the payment will be made in Singapore dollars).

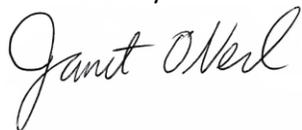
15.0 ACTION ITEM REVIEW

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.

16.0 ADJOURNMENT

The meeting adjourned at 10:53 am.

Submitted by:



Janet O'Neil
Secretary, EMC Society Board of Directors