

APPROVED MINUTES

OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING

**Westin Hotel
Pittsburgh, Pennsylvania
August 5, 2012**

MEMBERS PRESENT (26)

B. Archambeault
C. Brench
C. Bunting
L. Cohen
R. Davis
A. Duffy
F. Heather
D. Heirman
D. Hoolihan
T. Hubing
R. Koga
J. LaSalle
F. Maradei

A. Marvin
M. Montrose
M. Oliver
J. O'Neil
G. Pettit
A. Pinchuk
K. Phipps
F. Sabath
R. Scully
D. Staggs
D. Sweeney
P. Wilson
T. Yoshino

ABSENT (1)

V. Roje

GUESTS (22)

R. Adams
J. Anderson
D. Beetner
H. Benitez
C. Chan
H. Denny
A. Drozd
H. Garbe
S. Hernandez
H.R. Hofmann
E. Joffe

B. Lawrence
K. Lawrence
A. Maxwell (RABQSA)
J. Norgard
S. Pignari
P. Roselle (RABQSA)
R. Vick
M. Violette
K. Williams
Q. Ye
A. Zimbalatti

1.0 THE PRESIDENT'S OPENING REMARKS

President Pettit 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 prior to the Board meetings (<ftp://ewh.ieee.org>). A moment of silence was observed in memory of the late Jim Klouda, Clayton Paul and Gene Cory.

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 August 2012 Meeting Agenda - **Pettit**
- Approve Secretary's Report – March 2012 Meeting Minutes - **O'Neil**

The consent agenda was amended to add an executive session at 12:50 pm for Board members and officers only.

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

3.0 PRESIDENT'S REPORT

Mr. Pettit 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.

Regarding the status of electronic motions made since the last Board meeting in March, Mr. Pettit confirmed there was one regarding approving the slate of candidates for the EMC-S Board of Directors election. This motion was seconded and approved.

4.0 TREASURER'S REPORT

John LaSalle presented a report on EMC Society finances. (See 3rd Qtr Treasurer's Report.) The EMC Society had a very good year financially. The actual year-to-date surplus was a deficit of \$49,200 (previously \$64,800 before adjustments), versus the projected positive net income of \$21,200. The only negative variance recorded is the EMC Society's portion of the Investment Returns (-\$213,800). Clearly, this is the source of the deficit which, as reported in the March BoD meeting, was attributed to: Investment portfolio after fees lost 2.5% in 2011, significant unfavorable DB pension adjustment, IEEE has ramped up our product/internal investment levels (IBP, ICP, ICX, OA activities, etc.

Regarding Operations, the 2012 EMC-S budget is a net positive \$53,000, as of the end of June. The budget requires an overall net-positive budget of \$16,600. The second quarter forecast shows an unfavorable net deficit of \$66,100 (better than the original net deficit of \$86,100). This is due to the reduction of forecasted conference net revenue by IEEE Conference Finance; \$68,200 came from Conferences. The deficit is a direct fall-out of the 2012 Symposium Draft Budget. The expenses provided by IEEE Conference Finance were somehow carried-over incorrectly. The report concludes with a review of the Adcom and Travel budget line items. EMC Society Symposium finances are also reviewed. In closing, Mr. LaSalle noted he is working on next year's budget and presented the 2013 Society Budget Development and Timeline information for review.

5.0 MEMBER SERVICES REPORT

Bob Davis, Vice-President for Member Services, presented his report. (See VP Member Services Overview Report.) He began his report with a review of the status of the Member Services budget. Currently, through June 2012, the account is under budget by some \$40,000.

CONSTITUTION AND BYLAWS

Immediate Past President Francesca Maradei presented her report on amending governance documents. The following motions were presented and discussed:

Motion A: Motion to approve amendments to Section 3.0 of the EMC-S Bylaws for the quorum definition

Motion B: Motion to approve amendments to Article VII Meetings - Section 5 of the EMC-S Constitution

Motion C: Motion to approve amendments to Article V Society Administration – Section 6 – EMC-S Constitution

Following discussion, all motions above were seconded and approved.

MEMBERSHIP

Bob Davis advised that total IEEE membership is up 1.5% since this time last year. Total Society Membership is up 1.7% since this time last year. EMC Society Membership is down 1.7% (66) to 3796 (with Affiliates) since this time last year. EMC Society Student Membership is down 9.1% (5) to 50 since this time last year. Six members have been elevated to Senior grade since March 2012. IEEE HQ began mailing out welcome letters to new and reinstated members after the March BoD meeting. Letters go out monthly. HQ also provides Mr. Davis with a list of these members so we can stay in touch with them.

Three new 6' x 6' pop-up displays and two medium sized table-top (show style) displays have been ordered and are expected to be shipped by the end of August. The pop-up displays are for Regions 8, 9 and 10. The table-top displays will be floaters, available for various events. The purchase of these new displays was financed with initiative program funding.

He continues to work on developing a strategy for promoting/marketing EMC membership (including e-Memberships). He would like to have EMC-S membership booth present at all regional and technically co-sponsored symposia. Work continues to implement a membership tracking and retention plan.

AWARDS

The awards committee consists of Bruce Archambeault, Colin Brench and Mike Oliver, Co-Chairmen, with Christian Schuster, Tzong-Lin Wu, and Jun Fan. The committee addressed several action items assigned from previous Board meetings. The report includes their recommended policy to handle major award nominees when the nominee is an active member of the Board of Directors. They also recommended a policy/procedure to handle award nominees who have received 'higher' awards previously. The Awards Committee plans on proposing clarification to the Awards policy concerning when the recipient of an award gets the benefits of the award. This is expected to be brought to the BoD by the November BoD Meeting.

DISTINGUISHED LECTURER (DL) PROGRAM

Bruce Archambeault reported on the DL program. The DLs for 2011-2012 include Jerry Meyerhoff, Professor Wen-Yan Yin, and Chuck Bunting. The DLs for 2012 – 2013 include Christian Schuster, Sam Connor, Jong-Gwan Yoo, and Madhavan Swaminathan. The report includes financial data on the program as well as the number of presentations/trips/expense per meeting attendee per DL. The video DL library is now main stream on the EMC-S DL web site and is available to Chapter Chairs. Available topics are included in the report. Regarding future

planning, the committee will continue to invite DLs (and others as appropriate) to record their DL talks. This will be by invitation only since not all DL talks are appropriate or the topic may have already been covered by another DL. They will continue to record soft-skill videos and will consider reusing DLs to ensure we have an adequate number of DLs available.

RESPECTED SPEAKERS BUREAU (RSB)

Bruce Archambeault noted the current speakers include Colin Brench, Jim Drewniak, Tzong-Lin Wu, Cheung-Wei Lam, Eric Bogatin, Joungho Kim, Bob Scully, Werner Schaefer, David Pommerenke, Bruce Archambeault, Elya B. Joffe, Jun Fan, and Chris Holloway.

REGION 8 MEMBERSHIP REPORT

Frank Sabath provided a detailed report for Region 8. As of August 2012 there are 1,170 active members in Region 8. The number of members that have not renewed their IEEE membership (in arrears) is 128. The number of inactive members is 190. Five members have resigned. The distribution of active members is shown in his report. This shows the greatest percentage hold the Member level grade (843) followed by Senior Member (177). Related to the change in membership categories, the biggest increase is in graduate student members.

REGION 9 MEMBERSHIP REPORT

Gustavo Fano reported that ARGENCON 2012, of IEEE Argentina Section, was held in the city of Cordoba, Argentina, on June 14-16. This conference included papers on EMC from Argentina and was very successful. A report was submitted to the EMC Magazine. This was a good opportunity to provide EMC related topics.

It has been confirmed there are 16 EMC members in the Mexico Section, thus the EMC Chapter in Mexico Section could now be formed. Contacts to further this effort are included in the VP Member Services report. In other Region 9 news, the Guadalajara Section has seven IEEE EMC members; this is enough to start a Joint Chapter. A new Antennas and Propagation (AP) Joint Chapter in the Cordoba Subsection is under discussion at this moment with the AP Society and Argentina Section. This potential new Joint Chapter could be formed between the AP and EMC Societies.

A week of EMC activities in Buenos Aires, Argentina is planned for June 2013. These activities will include a call for papers, invited speakers, short courses, forum of EMC, visit to an EMC chamber, and more. These activities will be a good chance to add many new members to the EMC Society. Mr. Fano is looking for a speaker on "EMC in the Design of PCB" for a two-day short course at the end of the presentations.

REGION 10 MEMBERSHIP REPORT

Bob Davis reported on Region 10 activity from membership coordinators Takeo Yoshino, An Hao, Erping Li and Dr. Subbarao.

At the Beijing International EMC Exhibition on April 17 – 19 in Beijing, 13 attendees expressed interest in joining the IEEE EMC Society. An Hao has contact information on all 13. Bob Davis will advise An Hao on membership options (full application or e-membership). At APEMC 2012 in Singapore on May 21 – 24, the new EMC Society 6' x 6' pop-up display was used. Takeo Yoshino staffed the EMC Society Membership booth and noted 22 EMC Society membership applications were picked up, with three individuals completing them at the booth and giving them to Takeo to submit to the IEEE.

The joint Chennai – Bangalore EMC Chapter is still not approved by IEEE HQ. There appears to be an issue with the petition. Parvez Javeed, Sergio Pignari and Bob Davis will have a telecom during the Pittsburgh Symposium to resolve issue. The Chapter Chair will be Dr. DC Pande (Bangalore) and Janet O'Neil will be the Angel.

On upcoming events, the 6th CEEEM/Shanghai Symposium 2012 will be held in Shanghai, China on November 9 – 10, 2012. APEMC 2013 will be held in Melbourne, Australia, on 20-23 May. A Chapter Chair Training Session is being planned by Sergio Pignari. Finally, the next Japanese EMC International Symposium “EMC’14/Tokyo” will be held in western Tokyo on May 20 – 23, 2014. The EMC Society should have a membership booth at these shows.

CHAPTERS

Sergio Pignari, Chapter Coordinator, reported that there are currently 76 chapters globally. Newly formed chapters include the Chengdu Section AES/EMC Joint Societies Chapter, in China; the West Michigan EMC Chapter; and the I Kitchener-Waterloo Section EMC/MAG Joint Societies Chapter. The Bangalore-Chennai Joint Sections EMC Society Chapter in India is under construction. IEEE MGA has recently notified Mr. Pignari that no EMC-S Chapters are currently at risk of dissolution. ATG Productions LLC (www.atgproductions.com) has completed the Chapter website template. The Australia (Victoria Section), Chengdu, Harbin, Kitchener-Waterloo, Poland, Serbia and Montenegro, and Sweden Chapters are installing the template. Installation is complete for the Italy and Singapore Chapters. There will be a Chapter Chair training session and dinner on August 6 during the Pittsburgh Symposium.

COMPLETED CAREERS

Don Heirman is working on tributes to Clayton Paul, Jim Klouda and Gene Cory for the EMC Magazine. Bob Davis received agreement from IEEE HQ that they will prepare and mail a “Letter of Condolence” from the President of the EMC Society to the spouse of a loved one we honor in the Completed Careers column of the EMC Magazine. IEEE HQ also agreed to mail three copies of the EMC Magazine containing the tribute on their loved one to the family of the member we are honoring. Member Services is documenting a procedure that defines who does what and when.

FELLOWS EVALUATION COMMITTEE

Todd Hubing noted eight Fellow Nominations were received by the committee. The Fellow Evaluation Committee recommendations were based on the nomination forms and endorsements only. The Committee’s recommendations were forwarded to the IEEE Fellow Evaluation Committee, which makes the final recommendations, based on the recommendations of all the individual society committees and the Fellow references. The IEEE Fellow Class of 2013 will be announced following the IEEE Board meeting in November.

NOMINATIONS

Francesca Maradei provided the Nominations and Appointments (N&A) Committee Report. The 2012 N&A Committee Membership is by invitation of the Committee Chair and includes two members of the Board of Directors Francesca Maradei (Chair, Immediate Past President) and Todd Hubing (Past President) as well as non-Board members, including Lee Hill, (USA) R1-6, Mohamed Ramdani, (France) R8, Benjamin Galvao, (Brasil) R9 and Jinliang He, (China) R10. On this year’s Board election slate, 10 applications were received from IEEE Region 1-7, two applications were from R8 and one application was from R9. Before submitting the ballot material to IEEE by July 15, the slate of candidates was submitted for BoD approval on June 16, 2012. The slate of candidates was approved by an e-vote by the Board on June 22, 2012. The ballot material was forwarded to Cindy Donahue and Mary Curtis of IEEE on June 27, 2012.

GOLD PROGRAM

Caroline Chan reported that preparation for the IEEE GOLD EMC events in Pittsburgh has been her focus since the March Board meeting. The committee created a GOLD EMC brochure that will be distributed in Pittsburgh. It

was designed by Bob Neff. They also created a GOLD EMC flier to be placed in the Symposium registration bags in Pittsburgh. A GOLD article was published in the 1st Quarter EMC Magazine with a GOLD EMC Symposium announcement. A second article will be published in the EMC Magazine in the 4th Quarter. Future plans include organizing a GOLD EMC webinar to introduce GOLD EMC to those EMC Society members that could not attend the Symposium. She will contact the Microwave Theory and Techniques and Power Societies to see if their GOLD members are interested in joining GOLD EMC. A big push will be to encourage EMC chapters to spread the word to over 500 GOLD EMC members to join their existing GOLD affinity group or get a GOLD EMC group going in their area.

SISTER SOCIETIES

Chuck Bunting reported on the vision statement for a Sister Society: To increase cooperation and awareness of global EMC issues that are essential to the continued development of safe and reliable electronic systems and devices; To increase the participation of individual members of the IEEE EMC Society with global partners; and To facilitate the growth and support of emerging and expanding technologies. Bruce Archambeault is exploring a Sister Society agreement in Australia. For future activity, Mr. Bunting would like to clarify procedures with IEEE headquarters and begin a strategy for identifying key groups in Japan and Singapore that could further the development of Sister Society agreements.

SECTIONS COORDINATOR

Henry Benitez reported as the Sections Coordinator. He advised there has been no activity since the Board meeting in March.

PHOTOGRAPHY

EMC Society Photographer Ken Wyatt reported that he is working on an "On-Line Photo Album" and is having difficulty identifying a suitable platform for an on-line Symposium photo album. He will continue to look for a suitable platform that has no monthly charges, can handle multiple folders, etc. The nearest solution is "Flickr", but while you can create separate folders for the different years; you cannot create folders within folders. This means it would not be very easy for the user to find a specific photo. Mr. Wyatt noted Richard Georgerian, Tom Fagan and Jerry Ramie will be assisting him in photographing the Symposium activities.

STUDENT LIAISON

Sandra Hernandez reported she is working on a Student Liaison article for the EMC Magazine. She is working on compiling information on how to form an EMC student branch chapter, including possible chapter activities, benefits, etc. An email address dedicated to EMC Student Branch activities/information has been created: emc.studentliaison@gmail.com. Email will be used to communicate with student branches and all those seeking more information. An EMC Student Membership Facebook group has been created to help reach out to all IEEE Student Groups across the nation and world. See: <http://www.facebook.com/pages/IEEE-EMC-Student-Branched/435543266490204>. Future plans include gathering feedback from current EMC student members via a survey to obtain information on what they would like to see from the Facebook EMC Student Membership social media page. She will use her access to SAMMIEE to send out an email blast (to members who have agreed to receive emails – as detailed by SAMIEE filters) to promote student EMC membership. Lastly, she'd like to work out a plan to extend the EMC Distinguished Lecturer program to student branches by finding local speakers willing to outreach to universities.

SURVEY

Fred Heather advised a new on-line EMC Society membership survey will debut at the 2012 Symposium. IEEE HQ will administer the on-line survey and provide the report. The survey will be available on-line during the

Symposium and will be distributed to the entire EMC membership, and Symposium attendees, one week after the Symposium. The committee is offering an incentive for completing the survey; this includes a drawing for one free Symposium early bird registration. Availability for the drawing closes on September 15.

FOLLOWING THE LUNCH BREAK – An Executive Session was held from 12:50 – 1:00 pm. A personnel issue was discussed. The Board agreed that no further action was required.

6.0 iNARTE

Brian Lawrence of iNARTE introduced Kathy Lawrence of iNARTE and Patty Roselle of RABQSA. He discussed the Affiliation Agreement of iNARTE with RABQSA International. Both organizations offer personal credentialing through a variety of certification programs that are either accredited to, or in accordance with, ISO 17024. The activities of iNARTE and RABQSA do not compete but are entirely complimentary, in that iNARTE has developed programs for certification of the hands on engineering communities, whereas RABQSA schemes are directed at assessors, auditors and inspectors. iNARTE programs are almost entirely “Qualification Based”; RABQSA schemes are, for the most part, “Competency Based”. This affiliation raises the profile of iNARTE in the global community. Becoming part of the ASQ, ANSI, ANAB, RABQSA family, exposes iNARTE to the upper echelon of international regulatory organizations and industry associations and is expected to provide new opportunities for significant growth. The affiliation will be a seamless process for iNARTE members. Existing iNARTE certification programs will continue to be administered as before and the status of iNARTE members will not change. Regarding the Pittsburgh Symposium, the iNARTE examination workshop will take place on August 6; the certification exam will be held on August 10.

7.0 COMMUNICATION SERVICES

Perry Wilson, Vice-President for Communication Services, presented his report. (See VP Communications Report.)

MAGAZINE

Magazine Editor Janet O’Neil relayed financial numbers for the first two issues of the year. The 1st Quarter issue was 120 pages. The technical theme for the issue was “Transportation System EMC” with guest editor Mark Steffka of GM. A total of 4,596 copies were printed and mailed at a cost of \$17,222. A total of 6.33 ad pages were sold to eight companies/advertisers generating \$12,040.50 in billable ad revenue, of which (after sales commissions and management fees) the EMC Society received \$6,742.68. The 2nd Quarter issue was 128 pages. The technical theme for this issue was “Smart Grid” with guest editor Don Heirman of Don HEIRMAN Consultants. A total of 4,664 copies were printed and mailed at a cost of \$17,521. A total of 15.83 ad pages were sold to 19 companies/advertisers generating \$26,549.05 in billable ad revenue, of which (after sales commissions and management fees) the EMC Society received \$14,867.47. Extra issues were printed for distribution from the IEEE EMC-S membership booth at EMC 2012 in Pittsburgh.

The 3rd quarter issue is under production. It will feature the late Clayton R. Paul. Don Heirman is working on this for the Completed Careers column. Kye Yak See and Flavio Canavero are also providing a tribute from their perspective of working with Professor Paul as Technical Editors of the EMC Newsletter and Magazine, respectively. The technical theme for this issue is RFID and EMC. The guest editors are David Novotny and Jeff Guerrieri of NIST. Associate Editors Bill Duff and Osamu Fujiwara are retiring this year. Bill Duff is retiring effective this issue. Osamu Fujiwara is retiring at the end of this year. We are exploring ideas for revamping this column moving forward.

We had some issues getting the 1st and 2nd quarter issues posted to Xplore. After consulting with Ross Stone, editor of the IEEE Antennas and Propagation magazine, we were successful in compiling the “packing list” and creating folders with PDFs of each article for posting. IEEE advised the material for both issues would be posted to Xplore by July 26. We are working with IEEE’s Louis Vacca about sending out an email blast to all members

with the EMC Magazine's table of contents once the issue is posted to Xplore. His office will handle all html design work, linking, list management and issue the email blast. Reporting is also available. I have asked if there is a fee for this service and also if this service can be provided for the Transactions on EMC as well.

TRANSACTIONS

Professor Heyno Garbe, the Editor-in-Chief of the *IEEE Transactions on EMC* reported the time to publication is decreasing. He discussed the Impact Factor of the *IEEE Transactions on EMC*. For 2009, it was 1.294 with a rank of 90 out of 125. For 2010, it was 0.808 with a rank of 119 out of 128. For 2011, it was 1.178 with a rank of 110 out of 244. IEEE is now providing data on the Eigen Factor (EF) and Article Impact (AI). This information is detailed in his report. Professor Garbe advised that Professor David Pommerenke has agreed to be an Associate Editor. Future special issues in 2012 include "The Impact of HEMP on Civil Infrastructures" with guest editor Bill Radasky. A section or issue dedicated to the late Prof. Clayton Paul is being planned. In 2013, "Model Validation for EMC" is planned with guest editors Archambeault and Duffy. Professor Garbe's three year term as Editor-in-Chief ends in December 2012. Professor Farhad Rachidi has accepted the invitation to be the new Editor-in-Chief. The annual Associate Editors luncheon will be held in Pittsburgh during the Symposium, on Tuesday afternoon.

HISTORY

Dan Hoolihan, Chair of the EMC Society's History Committee, reports the History Committee continues to write several articles on EMC Society historical activities for every EMC-S Magazine issue. The articles include highlights from 1950's "Quasies and Peaks", a precursor to the EMC Newsletter. Digitizer work continues in the scanning of past EMC Newsletters. The History Committee tutorial on archiving will be presented at the IEEE EMC Symposium on Friday morning. Representatives from the IEEE History Center will present along with Don Heirman, Don Sweeney and Dan Hoolihan. A long term "museum" location still needed.

WEB

Todd Hubing reported content on the website has been updated and a few bugs have been fixed. No major changes to the web site are currently planned.

IEEE PRESS

Ray Perez reported on the finances related to IEEE Press publications in 2011. The EMC Society received a total of \$1,776.94 in royalties in 2011. There are no books in production or published in 2012. A call for authors for an Aerospace EMC book was published in the EMC Magazine.

8.0 CONFERENCE SERVICES

Bruce Archambeault presented his report. (See VP Conferences Report.) He began his report by talking about the new Symposium Continuity Committee. The goal with the committee is to ensure continuity year-to-year for each Symposium steering committee. The committee members offer advice and history to each year's Symposium committee and are responsible for collecting important data from each year's Symposium and maintaining that information. The data includes tracking registration numbers, hotel rooms blocked and actually booked, etc. Committee members include John LaSalle, Janet O'Neil, Bob Davis and Rhonda Rodriguez.

Bruce Archambeault advised the current Symposium tote bag policy needs to be addressed. Current EMC-S Symposium Policy states only promotional items such as a pen, key chain, compass, note pad, flashlight, calculator, etc., may be placed in tote bags. Advertising material such as brochures, catalogs, magazines, product reports or product fliers, etc. are not allowed. The question arose if coupons in the bags which may be redeemed

at an exhibitor's booth for an item be allowed. Also, should brochures for other IEEE Society's Symposiums be allowed? Must they be Symposiums for which the EMC-S is a technical co-sponsor?

The proposed new policy could be: Only promotional items such as a pen, key chain, compass, note pad, flashlight, calculator, etc. or coupons which may be exchanged for an item may be placed in tote bags. Advertising material such as brochures, catalogs, magazines, product reports or product flyers, etc. are not allowed. Brochures for Symposia which are approved for EMC co-sponsorship will be allowed.

Mr. Archambeault will prepare a motion on the new tote bag policy for voting upon at the November Board meeting.

FUTURE YEAR SYMPOSIUMS

Tom Braxton reported on future year Symposium activity. Details for the EMC 2012 – 2016 are included in the report. For EMC 2012, new on the technical program, the Global University will include both EMC and Signal Integrity. There is also a joint tutorial with EMC-S TC10 and CPMT TC12 on Signal Integrity. For EMC 2015, the committee would like to formalize cooperation between the IEEE and the VDE – the Association for Electrical, Electronic and Information Technologies. This would provide ideal access to the European EMC community through the technical societies of the VDE. It would optimize the budget by utilizing the tax advantages of VDE as a non-profit unit. It would also increase the quality of the conference by working with the experienced VDE Conference Service staff. VDE has over 200,000 attendees at their various annual conferences and offers full conference management services.

Frank Sabath moved to approve the MOU between EMC 2015 Dresden/EMC Europe 2015 and VDE. The motion was seconded and approved.

EMC 2017

James Anderson of the Gaylord Hotel in Washington DC and Mike Violette of Washington DC/No Virginia EMC Chapter gave a presentation promoting EMC 2017 being held in the Washington DC area. Historically, attendance at the Symposiums located in Washington DC is very good; however, the Gaylord Hotel is some 15-20 minutes from downtown Washington DC.

TECHNICAL CO-SPONSORSHIP

Frank Sabath advised the Technical Advisory Committee (TAC) will vote during the Monday TAC meeting and provide a recommendation for EMC-S consideration at Thursday's Board meeting regarding EMC2014 Tokyo and EM Environment 2013 (Shanghai). Since the March Board meeting, the following co-sponsored conferences took place and reports of EMC-S delegations are due: 2012 ESA Workshop on Aerospace EMC held over 21 - 23 May 2012 in Venice, Italy and EUROEM 2012 held over 2 - 6 July 2012 in Toulouse, France.

EXHIBITOR LIAISON

Bruce Archambeault advised Martha Hallman will replace Janet O'Neil in this role. Martha has helped organize and will chair this year's exhibitors breakfast on Thursday during Symposium week. She created a new exhibitor survey on line and a new group on LinkedIn to help facilitate discussions with exhibitors.

REGIONAL CONFERENCE COORDINATOR

Janet O'Neil's report on regional events in Region 1-7 is included in the VP Conferences Report. She advised there have been several regional events by the Milwaukee, SE Michigan and Chicago Chapters since the March Board meeting. The next regional event will be on October 11 in Santa Clara with Doug Smith and Ege Engin as

speakers. In Region 9, there was a two day regional event on April 26-27 at the University of Sao Paulo. Speakers included Dan Hoolihan, Bruce Archambeault, John Norgard, Carlos Sartori and Philip Keebler. Some 100 people attended. Ms. O'Neil would like to organize another Region 9 event in 2013 that includes presentations in Colombia, Sao Paulo, and Buenos Aires. Bruce Archambeault requested global outreach funds be set aside for this regional event.

9.0 TECHNICAL SERVICES

Bob Scully, Vice President for Technical Services, presented his report. (See VP Technical Services Report.)

EDUCATION AND STUDENT ACTIVITIES (ESAC)

Mr. Scully noted that ESAC leadership has had several changes. Tom Jerse will end a four-year term as Chair at the 2012 Symposium. Mark Steffka will become the new chair pending BoD approval. Bogdan Adamczyk is the current vice-chair, and a new secretary will be elected to replace Mark Steffka. Professor Petre-Marian Nicolae is this year's recipient of the 2012 EMC Society University Grant for \$5,000 to begin a new course in EMC. ESAC is now holding periodic monthly conference calls.

TECHNICAL ADVISORY COMMITTEE (TAC)

TAC Chair Bruce Archambeault advised TAC held an in-person meeting on 11 May at the Missouri University of Science and Technology. Jun Fan was the host. During the meeting, all papers were put into sessions for EMC 2012 and sessions were scheduled. A total of 149 papers were submitted, of which 124 were accepted. (This equates to a 17% rejection rate.) All were very pleased with the new paper review system. A few suggestions were made to improve it for next year, such as developing a system so speaker conflicts can be avoided. A number of technical committees nominated papers for the best paper award. A possible new process to review iNARTE questions was discussed. Each TC will provide a representative who will be the focal point for their TC's reviews. TAC received a proposal for a new TC/SC for System Level EMC. Further discussion will occur at the next TAC meeting. Of the TCs reviewing papers for EMC 2012, TC-2, TC-9 and TC-4 received the most papers (in this order with TC-2 receiving 24.8% of the papers, TC-9 receiving 24.2% and TC-4 receiving 14.1%).

SOCIETY FOR THE SOCIAL IMPLICATIONS OF TECHHOLOGY (SSIT)

The VP for Technical Services report also includes an adjunct report from Kimball Williams regarding the SSIT. Kimball Williams is again a candidate for the BoD of the SSIT in the fall election. Elya Joffe is also on the ballot. Kimball was able to attend the last SSIT meeting via telephone. Attempts to form a 'Joint' Chapter between the existing TMC Chapter in Southeastern Michigan and a new element of SSIT have stalled, but not died. Once the new school year begins, an effort will be made again when many SSIT members have returned to the USA.

TECHNOLOGY MANAGEMENT COUNCIL (TMC)

The International Technology Management Conference (ITMC), "Managing Technology during a Business Recovery", was held June 24-June 27, 2012, at the Omni Hotel and Convention Center in Dallas, Texas. Sponsored by the IEEE's TMC, and co-sponsored by the IEEE Dallas Section, ITMC 2012 was the premiere event for technology managers and executives. The conference addressed highly topical areas in five tracks, with over 100 papers in 20 sessions. We have a full page "ad" for the TMC in the Symposium Program this year, and materials for inclusion in Council member society publications are now being made available. Some preliminary discussions have been held with the EMC Magazine editor, and it is expected that a submittal from the TMC will be included in the next issue. TMC is still requesting the EMC-S to publish a 'link' to the TMC newsletter on the EMC-S website.

10.0 STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. (See VP Standards report.) He noted the Standards Development Committee (SDCom), the Standards Education and Training Committee (SETCom), and the Standards Advisory and Coordination Committee (SACCom) will hold meetings during the Symposium week. He will provide an update of these meetings at the Thursday, August 9 Board meeting. There will also be a working group meeting to address IEEE Standard 473 (site survey) and 299.1 (shielding effectiveness – small enclosures). SACCom will hold its annual luncheon with the Board.

11.0 CLOSING REMARKS

President Pettit thanked the Board for attending the meeting. The Board meeting will continue on Thursday, August 9 with a working dinner at 6:00 pm.

The meeting was suspended at 5:00 pm on August 5. It was called to order at 6:30 pm on August 9. The following updates were provided:

STANDARDS SERVICES

Don Heirman reported on Standards activity during the Symposium. (See VP Standards August 2012 report.)

Regarding the Standards Development Committee (SDCom), the officers are Andy Drozd, Chairman, Colin Brench, Vice Chairman, and Ed Hare, Secretary. The report includes an update on the status of the 19 IEEE EMC standards as discussed at the meeting. The committee held an election of officers resulting in Alistair Duffy being elected as Chair; Kermit Phipps being elected as Vice Chair; Ed Hare continuing as Secretary. Dave Traver attended and was accepted back as an active SDCom member. Presentations were given on VuSpec, IEEE copyright matters, recent changes in Standards Association (SA) policy and the new IEEE Central Desktop. Regarding the SA, he advised there is now a 10 year cycle for IEEE standards – this is NEW! Jerry Ramie gave a presentation on Smart Grid IP work. SETCom and SACCom each gave summary presentations. Planning is underway for the merging of SETCom and SDCom so respective roles are clear. The committee is considering an “excellence in standards” award to outstanding EMCS standards participants. Chomerics offered to help with improvements to the standards committee exhibit booth.

Regarding the Standards Education and Training Committee (SETCom), Alistair Duffy is Chairman. The offices of Vice Chairman and Secretary are vacant. The committee is planning several workshops for 2012 at the IEEE Symposium in Pittsburgh (Smart Grid) and at EMC Europe in Rome, Italy (IEEE Standard 299). Since few members have indicated an interested in joining the SETCom, the committee approved merging with SDCom. SETCom topics will be included in SDCom Policy and Procedures. A formal proposal will be made prior to the next meeting in Pittsburgh. Discussion was held on projects for 2013.

Regarding the Standards Advisory and Coordination Committee (SACCom), the officers are John Norgard, Chairman, Andy Marvin is Vice chairman, and Don Heirman is Secretary. Reports were presented on Accredited Standards Committee C63[®], IEC/CISPR Subcommittee A (Measurement methods, instrumentation and statistical techniques), IEC/CISPR Subcommittee B (Industrial, Scientific and Medical), IEC/CISPR Subcommittee H (Generic Emission Limits), IEC/CISPR Subcommittee I (Information Technology Equipment), Information Technology Industry Council-EMC, Association for Advancement of Medical Instrumentation (AAMI), CENELEC TC210 (EMC), SAE AE4 Aerospace EMC, SC 65A Industrial Process Control EMC, TC106 Human Exposure, SCC 39/TC34 Human Exposure.

CONFERENCE SERVICES

Bruce Archambeault discussed the EMC 2014 Tokyo conference. **Mr. Archambeault moved to approve Technical Co-Sponsorship for IEEE/EMC 2014 Tokyo. The motion was seconded and approved.**

The presentation by Mike Violette on the venue for EMC 2017 was discussed. **Mr. Archambeault moved to approve the EMC 2017 Gaylord Hotel venue in Washington DC. The motion was seconded and approved.**

Mr. Archambeault reported that the exhibitors' breakfast went well and Martha Hallman did a great job as the new exhibitor liaison. Approximately 75% of the exhibitors plan to go to both EMC 2015 Symposia (in Germany and in Santa Clara), although exhibitors were not very happy about having two symposia in 2015.

12.0 NEW BUSINESS

The following topics were discussed under "New Business":

How to encourage more participation in EMC-S leadership - The Board discussed this topic. Amy Pinchuk, Bruce Archambeault, and Bob Davis offered several ideas. Mr. Davis will communicate some of these ideas to membership via an EMC Magazine article on getting involved and becoming leaders in the EMC-S. Bob Scully offered to send a NASA video to the Board that shows how to get young people involved.

Officer Elections – Francesca advised what candidates need to do to run for an officer's position during the November 2012 Board meeting. EMC-S Board members need to be current Board members to run for the office of President-elect. EMC-S and non EMC-S Board members may run for the VP positions. Petitions with four signatures are required for run for office for Board members. Non-Board members must have 15 signatures on the petition. Francesca asked that the petitions be submitted to her prior to the Board meeting. Ghery Pettit advised we will take nominations on Friday of the November Board meeting, with the actual voting for elections to take place on Saturday.

Toll Free Phone Number – Bob Davis discussed implementing a new international conference call number with John LaSalle being the signatory on this phone line. Andy Drozd is currently the name assigned to the current toll free number and this needs to be changed. Bob Davis will send the conference number to all Board members and implement new call number functionality. John LaSalle will be the new point of contact. Together, they establish rules for use of telecom line so there are no usage overlaps/schedule conflicts.

Update on EMC 2012 – Mike Oliver advised there were 1,053 registrants, 122 exhibitors, and 189 booths were sold of the 206 booth spaces available. Total papers presented were 150, there were 820 technical attendees, and the Global University had 54 students with 16 sessions.

Awards Luncheon - Todd Hubing noted one award presented at this year's luncheon was not approved by the Board. **He moved to approve giving the sustained service award to Janet O'Neil. The motion was seconded and approved.**

IEEE Education Society – Ethics Education Committee - Elya Joffe gave a presentation on his involvement in this committee. (See Ethics Education Committee – Education Society Report.) The mission of the committee is to promote the education of professional ethics in computing, engineering, science, and technology within the Education Society, IEEE, and the public at large. The vision of the committee is to achieve global recognition as the leader for professional ethics and practice. The report outlines how the EMC-S can get involved in this activity.

13.0 FINANCIAL IMPACT OF APPROVED MOTIONS

Francesca Maradei advised the total financial impact of motions made during the August 5 and 9 Board meetings is \$50 for the technical co-sponsorship of the Tokyo conference. (See Financial Implications Summary.)

14.0 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.

15.0 ADJOURN

The meeting adjourned at 9:30 pm.

Submitted by:

A handwritten signature in cursive script that reads "Janet O'Neil".

Janet O'Neil
Secretary, EMC Society Board of Directors