

APPROVED MINUTES
OF THE IEEE EMC SOCIETY
BOARD OF DIRECTORS MEETING

November 9, 2007
The Hilton Hotel
Fort Lauderdale, FL

MEMBERS PRESENT (22)

B. Archambeault
H. Benitez
C. Brench
R. Davis
A. Drozd
R. Ford
B. Goldblum
F. Heather
D. Heirman
L. Hill
D. Hoolihan
T. Hubing
E. Joffe
F. Maradei
M. Montrose
J. O'Neil
R. Scully
D. Staggs
D. Sweeney
R. Wallen
K. Williams
T. Yoshino

MEMBERS ABSENT (3)

W. Kesselman
J. Norgard
G. Pettit

GUESTS (2)

J. LaSalle
V. Ungvichian

1.0 THE PRESIDENT’S OPENING REMARKS/CONSENT AGENDA

President Drozd called the meeting to order at 8:30 am. A round of introductions was made. President Drozd reviewed activity since the last meeting (see President’s Opening Remarks). The topics included a review of recent global outreach activities. He welcomed the newly elected Board members and announced the **election** of Mark Montrose as IEEE Division VI Director. He then presented the agenda and noted the items shown under the Consent Agenda. (See Agenda dated November 9, 2007.) **Bob Scully moved to approve the consent agenda as presented. The motion was seconded and approved.** The approved July 2007 Board minutes will be posted to the EMC Society website.

2.0 PRESIDENT-ELECT REPORT

Elya Joffe talked about long range planning activity, global outreach efforts and the 2008/2009 Board meeting schedule. (See President Elect Report.) On long range planning, he reviewed the plans for the Saturday, November 10 meeting. At the March 2008 Board meeting, he would like to hold a half-day LRP strategic brainstorming session (with the full BoD, in groups per field), covering only the reduced list of “mega issues.” The desired outcome is to determine a course of action for long term “mega issues.” On global outreach, he would like to continue outreach efforts to China and Korea as well as Eastern Europe. There are a very high number of graduating engineers in China who are not affiliated with IEEE. On the 2008/2009 BoD meetings, the following schedule was presented:

Greenville, SC, March 13-15, 2008

Thursday, March 13: Standards, ExCom, Chapter evening meeting

Friday, March 14: BoD meeting

Saturday, March 15 (AM): LRP Brainstorming Exercise

Salt Lake City, UT, May 30-31, 2008

Friday, May 30: Standards, ExCom, Chapter evening meeting

Saturday, May 31: BoD meeting

Detroit, MI, August 16-22, 2008

Saturday, August 16: ExCom

Sunday, August 17: BoD meeting

Thursday, August 21: BoD dinner meeting

Long Beach, CA, November 19-21, 2008

Wednesday, November 19: Standards, Long Range Planning Session, and ExCom

Thursday, November 20: BoD meeting, BoD Annual Dinner

Friday, November 21: Long-Range Planning

Note: Board Officer Elections will be held at the November meeting

Following is the tentative schedule for 2009:

March, 2009: Mexico City, Mexico (International Outreach, support of chapter formation?), May, 2009: Philadelphia, PA or Pittsburgh, PA or Ottawa, Canada (North/East, have not visited these chapters for a while), August, 2009: Austin (Symposium meetings) and November, 2009: San Francisco, San Jose, Santa Clara, CA (Northern CA), or Phoenix, AZ

3.0 FINANCE COMMITTEE REPORT

Kimball Williams presented the finance committee report. (Reference Finance Report.) Two line items have been added to the budget for clarity, including President-elect and Past-president. The Society continues to look at diversifying its sources of income.

John LaSalle presented a report on the financial matrix he has created to monitor the Society's budget. This includes budget and actuals per line item. Minimal data manipulation is necessary to maintain the database. The Treasurer's log may have a more detailed cost breakdown.

Mr. Williams referred to Treasurer Warren Kesselman's report, which was circulated to the Board prior to the meeting. (Reference Treasurer's Report.) Regarding 2007 operations, IEEE's 30 September third quarter financials indicate the Society's operations net, to date, is \$301,900. This net is misleading. The listed Meetings/Conferences cost center actual of \$322,100 is the 2006 Symposium surplus, which was accrued in 2006. However, that accrual will not be deleted from 2007 financials until the 2006 Symposium books are officially closed. If the 2006 Symposium accrual data is deducted from the September 2007 summary sheet, the Society's year to date operations net is really in the order of a \$21,000 deficit. IEEE conducted a third quarter 2007 year end forecast review in October. The Society's forecast contains a net year-end deficit of \$110,300. The major factor in that forecast is that the Meetings/Conferences cost center net may be significantly below budget. If the market is "good", the actual 2007 operations for the Society could be on the positive side. Regarding 2008 budget development, a cost center summary of EMCS's "2nd Pass" 2008 budget was presented. It projects a \$16,500 net surplus.

4.0 COMMUNICATION SERVICES

In the absence of Ghery Pettit, Vice-President for Communication Services, Janet O'Neil presented his report. (Reference VP Communications report.) The report notes the Society is seeking a volunteer for the position of Publicity Chair. If anyone knows of qualified candidates, please refer them to Mr. Pettit.

NEWSLETTER

Janet O'Neil, Editor, reported on activity since the last Board meeting. The Summer 2007 issue was 84 pages and included regular articles, three articles by Dan Hoolihan in the special History/Anniversary section, including a reprint of the most referenced paper in the Transactions on EMC and two obituaries - one on Founder John O'Neil and one on Mike Hart. The issue also includes the annual article on EMC Finance by Warren Kesselman, a list of new Senior Members, and an article about IEEE Fellows by Heyno Garbe. Financially, the issue cost \$19,887 to produce, print, and mail to the members. 5,268 issues were printed. \$18,565 was billed in ad revenue with a net of \$9,654 going to the EMCS to offset the cost of the issue. There were 10.67 pages of ads from a total of 14 advertisers. The Fall 2007 issue focuses on the annual EMC symposium. There are numerous articles, including an extensive section on the 50th Anniversary activities at the EMC Symposium and the traditional photo collage pages showing scenes from the symposium. Ken Wyatt recruited a team of volunteer photographers to help him capture the numerous activities at the symposium. Regarding the IEEE Magazines and Periodicals Department, Bob Smrek, long time manager of the department, recently retired. His replacement is Peter Tuohy. Ms. O'Neil asked Mr. Tuohy about shipping the Newsletter to non-US addresses, following up on an inquiry on this from Elya Joffe. The following is Mr. Tuohy's comment on this: "Currently, all international copies of the EMC Newsletter are being sent "Global Bulk Economy" (GBE) at a rate of \$1.12 US per copy. GBE uses "Surface" mail to some parts of the world (Europe, Japan, Australia, and New Zealand) which is sent on a set sail schedule. Because of this, delivery times can range from 30-45 days depending on the country. I would recommend upgrading to "Premium Printed Matter" at \$1.26 US per copy for better service to most countries. Premium Printed Matter is 7 to 21 days on average depending on the country. This would increase your postage by about \$230.00 US." As a result, Ms. O'Neil **moved to approve the change in postage for shipping the EMC Newsletter to non-US addresses FROM Global Bulk Economy (GBE) at a rate of \$1.12 US per copy (30-45 day delivery) TO "Premium Printed Matter" at a rate of \$1.26 US per copy (7-21 day delivery). The net change to budget per issue, based upon the number of issues sent to non-US addresses for the Summer 2007 issue: \$250 US. The motion was seconded and approved.** Lastly, the EMC 2008 symposium committee is talking about including their advance program as a separate document shipped with the Winter 2008 issue of the EMC Newsletter. Plans have not been finalized to date on this. Also, Perry Wilson, Editor, Transactions on EMC, has suggested sending an e-mail blast to EMC members of the table of contents when each issue is published so members will know what new papers have been uploaded to Xplore. Ms. O'Neil will coordinate this effort with Dr. Wilson. A discussion was held on the possibility of having members "opt out" of receiving a paper copy of the Newsletter and instead receiving an electronic version only to save on printing and mailing costs, reduce delivery delays, and help ecologically. Ms. O'Neil will check with Peter Tuohy of IEEE about other Societies who may offer this to their

membership and how it works. She will report out at a future Board meeting. She is also checking on having one single PDF of the entire Newsletter issue available for download from the EMCS website as requested by a Board member.

TRANSACTIONS

Perry Wilson, Editor, reported that as of Nov. 2, 2007, 238 manuscripts have been submitted in 2007. Month-by-month statistics are shown in Table 1 going back to 2003 (thanks to Prof. Canavero for the 2003-2006 data). The submission rate is trending up.

Table 1. New Paper Submissions

	2003	2004	2005	2006	2007
January	11	10	19	18	27
February	13	20	11	79 (*)	11
March	13	12	16	14	21
April	13	14	16	17	20
May	19	20	14	20	31
June	11	23	21	21	23
July	29	15	23	15	31
August	15	16	11	28	23
September	19	17	17	20	16
October	16	17	11	22	35
November	9	9	16	0	
December	10	14	12	0	
Total	178	187	187	301 (**)	285****

(*) Including 75 manuscripts for the special issue on EMC Singapore

(**) The total is 226 if the 75 special-issue papers are not considered

(***) As of June 15, 2007

(****) Projected at current rate

Regarding Transactions production, the August issue was on time in production. The November issue should also be on time. He submitted the papers for the August 2007 issue ahead of the nominal IEEE timetable. In laying out the Table of Contents (TOC) for the May, August, and November 2007 issues, he has attempted to align the TOC subsection titles and key words with the EMC Society Technical Committee titles and key words. By doing so, he hopes to take advantage of the recognizable technical structure of the Society.

Regarding Special Issues/Sections, for 2008, a Special Issue on Aerospace EMC is planned with R. Perez and Jim Lukash as Guest Editors. Dr. Perez has invited 20 authors who have committed to write papers on various aspects of Aerospace EMC. They have begun receiving papers (six so far) starting Oct. 30. He hopes to have all papers reviewed by early 2008, and to schedule the Special Issue for either May or August of 2008. For 2009, Prof. Vladimir Rakov (University of Florida) is submitting a proposal for a Special Issue on Lightning. A special issue on the same topic was published in Nov.1998 (134 pages) with F. Canavero, M. D'Amore, C. Mazzetti, and C. Nucci as Guest Editors. Prof. Rakov is confident that progress warrants another special issue. For 2010, Prof. Erping Li (University of Singapore) would like to propose a special issue on PCB packaging EMC. EMC in electronics design is a strong area of contribution from Asia, and China in particular. This would be a good opportunity to highlight research in this area. Regarding Associate Editors, at the beginning of 2007, there were 15 Associate Editors (AEs): 2 from Regions 1-7, 10 from Region 8, and 3 from Region 10. Prof. Kami has stepped down as an AE as of early 2007. Prof. De Leo plans to step down mid-year, and Dr. Meyer and Prof. Singer plan to step down toward at the end of the year. This reduces continuing AEs to 11. He has invited and received commitments from eight new Associate Editors as of Oct 30 as noted in his report. They represent a good mix of expertise on various topics and are from globally diverse areas.

WEB

Mr. Pettit advised in his report that he continues to work with Shannon Archambeault to resolve broken links and update content on the web site. There is also work on-going to resolve questions as to who has access to the servers to update standards committee pages that are not on the server hosting the main web site.

IEEE PRESS

Ray Perez, IEEE Press chair, reported that the Elya Joffe/Kai Sang Lock (Israel/Singapore) book, *The Grounds for Grounding - Grounding from Circuits to Systems*, is almost finished. Seven chapters of the book have been received and independently reviewed with feedback sent to the authors. There are no other books in production at this time. In other related IEEE Press news, a new book proposal had been received and independently reviewed. The book proposal was deemed of good quality. The author was notified of the good results, however, the author chose to go with Wiley UK. Dr. Perez also expects a yes/no decision from a prospective author in December on a book addressing EMC for Wireless Communications (with an emphasis on EMC testing). Dr. Perez continues to look for potential authors. The effort is being directed to niche areas that have not received previous attention.

5.0 STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. (See VP Standards Services Report.) Standards activity covers three major areas: The Standards Education and Training Committee (SETCom), the Standards Advisory and Coordination Committee (SACCom), and the Standards Development Committee (SDCom). The SETCom chair is Qiubo Ye and the vice-chair is Professor Johan Catrysse. The SACCom Chair is Dave Guzman. The SDCom continues to be chaired by Stephen Berger with Ed Hare as the secretary.

The Standards Development Committee only met on November 8, with approximately 12 members in attendance. They reviewed the status of various standard projects, including: EM site survey (Std. 473) - **New chair is Vil Arafles** - 80 percent or so completed, but no progress since Hawaii and before meetings; RF absorber evaluation (Std. 1128) - Current until 2011-- Looking at extending frequency range; VDT emissions (Std. 1140) - Current until 2011. No issues at this time; Gasket character. (Std. 1302) - In limbo. Will try to get draft from WG Chair; Probe calibration (Std. 1309 amd) - New WG chair (Zhong Chen of ETS-Lindgren) organizing WG; RF filter performance (P1560) - Current unto 2010. No issues at this time; Computational EM (P1597.1) - Ballot pool formed. Will be uploaded for ballot within days; Computational EM (P1597.2) - Draft 99% mature. SDCom approved sending to MEC (mandatory editing committee) of the Standards Board and then to ballot; Intentional EMI to computers (1642) - Ballot delayed. SDCom wants to see draft; Line replaceable module (P1688) - Draft 80% completed. First draft to be completed in Spring 2008; TV emission measurements (Std. 187) - Reaffirmed, with comments. SDCom will resolve revision.

Regarding P1900 (Interference/coexistence-SDR), this is now Standards Coordinating Committee 41 (Dynamic Spectrum Access Networks). Steve Berger is the chair and the focus is on improved use of spectrum as new techniques and methods of dynamic spectrum access require managing interference, coordination of wireless technologies and inclusion of network management and information sharing. Mr. Berger will be the liaison between SDCom and SCC-41. Regarding P1775 (Powerline Communications Equipment EMC Testing), this is a joint development among EMCS, PES, and ComSoc, with a sponsoring committee of 12 members. The working group sent a draft to sponsors to approve for ballot, but the sponsoring committee by a close margin rejected the standard and sent it back to the working group. The negative votes were not all from the EMC Society sponsoring committee members (4 of them). The working group expects to resolve and rebut comments received from the sponsoring committee by the first quarter of 2008.

For 2008, Mr. Heirman noted the Standards committees would continue to meet the day before the Board meeting, with a full day for the SACCom and SETCom meetings in February 2008. These two committees are planning interim telecons to keep up progress. The traditional two part SDCom meeting and SETCom/SACCom meetings will be held at the Detroit symposium in August.

6.0 CONFERENCE SERVICES

Barry Wallen presented his report. (See VP Conferences Report.)

EMC 2007 Honolulu, HI 50th Anniversary Symposium (Chair: Janet O'Neil)

Janet O'Neil reported on the following activity since the last report in July. Treasurer Benoit Nadeau reported preliminary numbers of: Income (near to final): \$937,299.34, Expenses (non-final): \$845,690.74, Surplus (up to now): \$91,608.70 (this number will be lower). The surplus is lower than typically achieved at the annual symposiums, however, there were considerably more expenses this year with A/V not being donated, printing hard copies of the workshop program, and the 50th anniversary celebration activities. In addition, this year exhibitor income was lower due to the special location of Hawaii. Local companies did not exhibit nor were some "regular" companies willing to exhibit in Hawaii. EMC 2007 full registration numbers were higher than last year with 443 full member registrations and 190 full non-member registrations. There were a record 192 companion registrations over 18 years of age and 48 registrations for those under 18. Exhibitor registrations were down as there were fewer booths purchased. There were 150 technical exhibitor registrations and 366 regular exhibitor registrations (no access to technical program). Total bodies then was 1,842 – compared to 2,108 at EMC 2006. There were a total of 160 booths representing 114 exhibiting companies. This compares to 216 booths representing 160 companies at EMC 2006. Thus, exhibitor income was way down from last year, by about \$100K. Exhibitor purchased ads in the advance and final programs came in much higher than budgeted. On the technical program, there were a record seven parallel sessions for Tuesday through Thursday and five parallel sessions for Sunday and Monday. The committee received 345 papers (over twice as many as any other symposium); of which 245 were accepted, 45 withdrawn and 55 rejected. There were eight special sessions with one on EMC history. Four workshops and 14 tutorials were accepted; some 25 were proposed. There were four poster sessions. The poster sessions this year were in a separate room and unfortunately did not get much traffic. The plenary session with speakers Leah Jamieson (IEEE President) and Tapan Sarkar drew record attendance. There was standing room only in the room, which seated 300 people. The new Global University proved to be very popular. There were 56 registered students from all over the world; of this total, 54 turned in the survey required to get their CEU certificate. Overall, the comments on the technical program were very positive – the only negative being that there was too much to choose from. This may have impacted exhibitor traffic accordingly. On publications, there were a few problems with the CDROM publication process and printing of the workshop program. Ray Adams worked diligently to get these resolved; Bonnie Brench did a great effort on editing all publications to ensure a minimum number of errors. James Sakamoto did a great job on the website. EMC 2008 should follow up with the IEEE IT department to see if the symposium website can be accessed by people living in China. On arrangements, the committee worked closely with the Board VPs to document all meetings and schedule audio-visual and catering. Several organizations held committee meetings, which increased this activity. Also, with the increase in companions, there were challenges with the catering arrangements in the hospitality suite. IEEE over guaranteed on a few events so there were additional expenses that were not budgeted for. The committee worked with IEEE to get a refund of the considerable hotel commission to compensate for these over guaranteed numbers. The committee contracted with three hotels for EMC 2007. The symposium booked a record 4,224 number of room nights, but this total has not been confirmed with IEEE. At EMC 2006, 2,902 room nights were booked in the symposium block. This represents considerably more hotel sales commission to IEEE, over 25% higher than last year, approximately. There was record attendance at every social event. Over 800 people attended the Tuesday welcome reception, 1075 people attended the Wednesday night banquet, and just under 600 attended the Friday anniversary party and island tour. Regarding publicity, there was a new barter exhibitor – the China Electrotechnical Society – who gave the symposium good publicity at their EMC Beijing conference. They are interested in developing closer ties with the EMC Society. Ads ran in all barter publications. New ads were created to promote the Global University. Ms. O'Neil acknowledged and thanked the 2007 Symposium steering committee for a job well done.

EMC 2008 Detroit, MI (Chair: Kimball Williams)

The 2008 Symposium Committee continues to meet via teleconference once each month. The decision was made to push for publication of an Advance Program for the EMC 2008 Symposium by January 1, 2008 to meet the deadline for the Winter issue of the EMC Newsletter. Since the paper submission cut-off date is not until January 15, some areas may be a bit 'gray' as far as papers, workshops, and tutorials are concerned. The registration fees are in line with the same fees charged at the Portland 2006 Symposium though these still require final BOD approval.

EMC 2009 Austin, TX (Chair: David Staggs)

Dave Staggs reports the IEEE Insurance and Information Schedule forms have been completed and submitted to IEEE CMS. The contract between the IEEE and the Austin Convention Center has been signed. A \$1,000 deposit has been provided to the Convention Center. This \$1,000 is a loan from the EMCS to the Central Texas Chapter. New contract between IEEE CMS and Central Texas Chapter of EMCS is being developed.

EMC 2010: Fort Lauderdale (Chair: Fred Heather)

Fred Heather reports a **loan request draft** has been forwarded to Tom Braxton. To open a bank account, the committee is providing the information for the conference registration with IEEE, it will take a couple of weeks to process, and they have requested a concentration banking account. John LaSalle is the treasurer for the 2010 symposium. The committee met in Hawaii and coordinated status of the committee members; the major action was the review of the CMS Statement of Work and the 2010 Operating Plan. The CMS Statement of Work is currently being used by the 2009 committee to obtain their contracted support. The committee held a meeting in Fort Lauderdale on November 8 to work on the budget and the operating guide. The committee has arranged, in conjunction with the BOD, a technical meeting with the Student Chapter at Florida Atlantic University and the regional IEEE Sections on Thursday evening. On Friday, the committee will host a tour of the convention facilities after the BOD meeting but before the annual dinner.

EMC 2011: Long Beach, CA (Chair: Ray Adams)

Ray Adams reports that IEEE CMS has reviewed and approved the Convention Center (CC) contract. Since CMS is not the management company of record, the Society will be responsible for the CC payment schedule. This will amount to three payments of \$22,000 per year starting in 2008. The committee is in the final steps of negotiation with the Hyatt Hotel, and potential overflow hotel options are being reviewed

EXHIBITOR LIAISON

The exhibitor breakfast was held on Thursday, July 12 at the Hawaii Convention Center, from 7:00 am – 8:00 am and was well attended. This year was the first time the committee had provided the attendee list in advance to the exhibitors; surprisingly, not many reviewed this before the symposium. While traffic in the exhibit hall was down this year, no complaints were received from exhibitors that regretted attending the show. Eddie Pavlu of Elliott Labs attended the breakfast and volunteered to help with any patron program plans for EMC 2008.

REGIONAL CONFERENCES

Regarding regional conferences in Regions 1-7, Janet O’Neil reported she organized a tabletop show in Dayton, Ohio on September 24, 2007 for the IEEE Dayton AP/MTT joint chapter in conjunction with AMTA. She recruited the EMC members in the area to participate in the program, hoping to revitalize the long dormant EMC chapter in the area. The show was well attended by over 70 people, several of whom requested that it become an annual event. Tom Holmes of Agilent is the local EMC Society member who will help drive this event and get the chapter started in 2008. The following tabletop shows are scheduled for 2008: Clemson University on March 12, April 1 in Milwaukee, May 8 in Detroit, May 13 in Chicago, and possibly June in Maryland.

Regarding Region 8, Frank Sabath reported on the following EMC conferences:

2007		
Conference Location	Dates	EMC-S Approval
EMC COMPO, 6 th International Workshop on Electromagnetic Compatibility of Integrated Circuits Torino, Italy	November 28 – 30, 2008	Previous conferences Co-Sponsored I have not see the application, but the organizer shows technical co-sponsorship on the web page
2008		

EuroEM 2008, EuroElectromagnetics Conference 2008 Lausanne, Switzerland	July 21-25, 2008	The organizing committee has submitted an application for Technical Co-Sponsorship in August 2007. Previous conferences Co-Sponsored. Request referred to the TAC for recommendations
EMC Europe 2008 Hamburg, Germany	September 8-12, 2008	Technical Co-Sponsorship approved MOU signed The local organizing committee has invited EMCS TCs to organize sessions and workshops.
EMC Wroclaw, 19 th International Wroclaw Symposium and Exhibition on EMC, Wroclaw, Poland	June 11-13, 2008	Previous conferences Co-Sponsored I have not see the application, but the organizer shows technical co-sponsorship on the web page by the Polish EMC Chapter

Regarding Region 9, Janet O'Neil reported that there are no plans for an event for the balance of 2007, and no plans are in place for one in 2008.

SYMPOSIA FINANCE (CHAIR: BOB HOFMANN)

Mr. Hofmann has determined that the budget format adopted by the 2008 EMC Symposium committee is the format that should be used for all foreseeable future EMC symposia. The 2008 format includes slots for documenting/explaining budget changes as they occur. This cannot be done using the IEEE HQ format. We will use the same budget account line item identification numbers as used in the IEEE HQ format, but will use them in our EMC Society budget format. That will allow us to build a history of rationale for budget changes so that we can be more accurate in developing future budgets. Building a history of budget changes was one of the external auditor's suggestions during our last Society Review. He will prepare a small auxiliary spreadsheet and send it to the various symposia treasurers. The auxiliary spreadsheet can be added to the regular symposia spreadsheet and will include line items that IEEE HQ specifically wants/needs at the end of a conference. This auxiliary spreadsheet will be very simple and should not be a burden on symposia treasurers to fill out or add to their existing spreadsheet. The information on this spreadsheet will address another of the comments received at the last Society Review.

SITE SELECTION (CHAIR: DARRYL RAY)

Mike Oliver made a presentation to the BoD on July 7 to host the 2012 EMC International Symposium at Pittsburgh, PA. There are no other proposals to host the 2012 Symposium at this time. Awaiting the Board's decision on the Pittsburgh proposal. The Denver and Santa Clara Valley chapters have expressed an interest in hosting the 2013 Symposium. The Symposium Site Selection application form will be undergoing a revision.

SYMPOSIUM PUBLICITY (CHAIR: JIM BLAHA)

Jim provided a slide presentation that is attached to this report.

TAC LIAISON (CHAIR: BRUCE ARCHAMBEAULT)

Dr. Archambeault advised that the MTT paper review software package was reviewed and approved for use for the 2008 Symposium.

GLOBAL EMC SYMPOSIA CO-SPONSORSHIP (CHAIR: GRAHAM KILSHAW)

Since July 2007, Mr. Kilshaw reports the Society has received a new TCS application from EUROEM, July 21 to 25 2008, Lausanne, Switzerland, Chair: Farhad Rachidi. In addition, initial interest has been shown by the IBT Congress, ICEAA, EMC China 2008 (CES), and APACE 2007. The following conferences have been approved for Technical Co-Sponsorship by TAC: EMC Europe 2008, Hamburg, Germany, September 8 - 12, 2008, the 2007 IEEE Symposium on Product Compliance, Longmont, Colorado from October 22 – 23, 2007, 2EMC (Embedded Electromagnetic Compatibility), Rouen France, October 18-19, 2007 and the First Asia Pacific EMC Symposium (the 19th EMC Zurich Symposium), May 19 - 28, 2008, Singapore. Still awaiting approval / denial of TCS sponsorship are the International Conference on Antennas, Propagation, and Electromagnetics, Bangkok, Thailand. Feb 5-9, 2008 and the 2009 International Symposium on EMC, April 14 to 17, 2009, Kyoto, Japan. Chair: Professor Youji Kotsuka.

7.0 TECHNICAL SERVICES

In the absence of John Norgard, Vice President for Technical Services, Barry Wallen presented his report. (See VP Technical Services Report.)

TECHNICAL ACTIVITIES COMMITTEE (TAC)

Bob Scully is the TAC chair. He will be working closely with the EMC 2008 committee on the upcoming paper reviews. As noted above, Mr. Scully and Dr. Archambeault will be using the MTT Society software for the paper review process. Initial usage looks very promising and the technical support for the software to date has been very good.

REPRESENTATIVE ADVISORY COMMITTEE (RAC)

Fred Heather did not have anything new to report since the last meeting in July. He wrote an article on the RAC/SACCom luncheon, which summarized the committee activity for publication in the Fall 2007 EMC Newsletter.

EDUCATION AND STUDENT ACTIVITIES COMMITTEE (ESAC)

The current officers include Chair: Bob Nelson (r.m.nelson@ieee.org), Vice-Chair: Randy Jost (r.jost@ieee.org) and Secretary: Larry Cohen (lawrence.cohen@nrl.navy.mil). The subcommittee chairs include: NARTE: Jim Whalen (jjw@eng.buffalo.edu), Experiments Manual: Ed Wheeler (e.wheeler@ieee.org), Hardware/Software Demonstrations: Andy Drozd (a.l.drozd@ieee.org), Fundamentals Tutorial: Daryl Beetner (daryl@umr.edu), University Grant Committee: Tom Jerse (jerset@citadel.edu), Student Paper Contest: Jim Whalen (jjw@eng.buffalo.edu) and Aziz Inan (ainan@up.edu), Student Design Contest: Ahmad Fallah (AhmadFallah@ieee.org) and Harold Rudnick (harold.rudnick@ieee.org). Continuing its long-standing tradition, the ESAC Fundamentals Tutorials committee intends to provide a day-long set of tutorials during the 2008 IEEE EMC Symposium. Initial discussions are also underway to investigate the possibility of a “Standards Education Workshop” which would be jointly sponsored by ESAC and the IEEE EMC Standards Committee. A Call for Proposals for the University Grant has been extended which describes the funding available to help universities establish new EMC courses. Proposals were due November 1. The committee will review the proposals during November and winning proposals will be selected by December 31. The committee will award one \$5,000 grant. The announcement has been issued that this year’s Student Design Contest has begun. Design kits are available, and completed kits are due April 20, 2008. Planning is already underway for a new EMC design kit that will be issued shortly. A revised Call for Student Papers is being developed for the 2008 IEEE EMC Symposium to clarify a few items from last year. As new Co-Chairs of this committee, Jim Whalen and Aziz Inan will work with Conference organizers to receive, judge, and identify the best Student Papers. Randy Jost and Ed Wheeler will submit a “Faculty Workshop” for the symposium next year. The title is “Incorporating Electromagnetic Compatibility, Signal Integrity, and High-Speed Design in Engineering Curricula.” The report includes an outline of the purpose of the workshop.

8.0 MEMBER SERVICES REPORT

Dave Staggs presented the report on Membership Service. (See VP Member Services Report.)

DISTINGUISHED LECTURER (DL) PROGRAM

At the last meeting, Bruce Archambeault reported for DL Program Chair, Jim Drewniak, on a distance delivery idea for DLs using video downloads of DL presentations. The report includes considerable information on the scope of this project and financial implications. **Mr. Staggs moved that a video recorded DL talk program be initiated for a trial period of one year (2008), with no more than 10 DL talks video recorded at UMR for EMC Society Chapters. The motion was seconded. The motion was amended to delete the word “chapters”. The motion as amended was seconded and approved.**

The new candidates for the DL program for the 2008/2009 terms were then reviewed.

Mr. Staggs moved that Tzong-Lin Wu be approved as a DL for 2008/2009. The motion was seconded and approved.

Mr. Staggs moved that Stephan Frei be approved as a DL for 2008/2009. The motion was seconded and approved.

Mr. Staggs moved that Alistair Duffy be approved as a DL for 2008/2009. The motion was seconded and approved.

Mr. Staggs moved that Eric Bogatin be approved as a DL for 2008/2009. The motion was seconded and approved.

AWARDS

Bruce Archambeault, Awards Chair, reported that the 2007 awards certificates have been mailed to anyone who was not present at the Awards Luncheon. The processing of the cash awards is complete for some and in process for the remainder. The web site has been updated to show the 2007 winners. Dr. Archambeault is working closely with the 2008 Detroit Awards Chair to make sure that the awards ceremony does not go over time in 2008. His report outlines the plans in place to accomplish this objective. The issue of naming EMCS Awards after deceased members was referred to an Ad Hoc Committee to be chaired by Bruce Archambeault. This committee's task is to discuss an Award approach that is appropriate to honor deceased members that have made a significant contribution to the EMC Society.

CHAPTER ACTIVITIES

Chapter Activities Chair Francesca Maradei noted there are currently 65 chapters. The newly formed Rock River Valley Chapter is going to have its inauguration meeting on November 15 on the campus of Northern Illinois University (NIU) in DeKalb, Illinois. Regarding chapters under construction, John Osburn has initiated the reformation of the Fort-Worth EMC Chapter, which was dissolved in 1965. The number of EMCS members in the Ft. Worth Section is 21. Dave Staggs has been appointed the "Angel" of the chapter and is supporting the activity of forming the chapter. Todd Robinson and, more recently, Chet Summers have expressed interest in the formation of a new chapter in the Central Valley of California (San Joaquin Valley). This would include the small cities of Modesto, Turlock, Merced, Fresno, and Visalia. Since those cities are spread over different IEEE sections, the possibility to form a joint section Chapter is under investigation. Contacts have been established in Portland with Randy Jost who has expressed interest to form the Salt Lake Chapter. There are currently six EMCS Members in the Utah Section, and they are considering the possibility to form a joint AP-MTT Chapter. Contacts have been established with the members of the Dayton IEEE Section and the (dissolved) EMC Chapter and encouraging replies was received, with the intentions for re-activating the Chapter. There are currently 10 EMCS Members in the Dayton Section, and they are considering the possibility to form a joint EMC-PSE Chapter. Work has recently begun to form a Chapter in Vancouver/British Columbia, Canada. That would be the fourth EMC Chapter in Canada, in addition to the Ottawa, Montreal, and Toronto Chapters. The formation of an IEEE EMC Chapter in Mexico was initiated and the petition submitted. However, the request was not processed because some of the members who signed the petition were not filed as EMC Society members for 2007. Therefore, the approval is pending on the subscriber's membership renewal. In Asia, Dr. Werachet Khan-ngern has initiated the process for forming the chapter in Thailand as new members submitted their membership application forms in Singapore, during the EMC Zurich Singapore 2006 symposium. The formation of chapters in Bangalore and Hyderabad, both in India,

was initiated during the INCEMIC 2006 Symposium in Bangalore. This work is ongoing. Contacts have been established in Munich during the EMC Zurich Symposium with Hongmei Fan who has expressed interest to form the Shanghai Chapter. There are currently five EMC Society Members in the Shanghai Section. Initial inquiries have been received about starting new chapters in Argentina and Algeria. Regarding the Chapter Handbook, the new version of the Handbook was distributed to the Chapter Chairs and BoD officers, and is now available on the EMCS website. Following the success of the previous Region 8 and Region 10 retreats held in 2006, Ms. Maradei organized the 2007 Chapter Chair Retreat in Honolulu on July 9, 2007, in conjunction with the 2007 IEEE EMC International Symposium. This time, it was a global retreat since the attendees came from all the IEEE Regions. The retreat was very successful and was attended by the representatives of 20 Chapters and a significant number of EMCS officers. The schedule of the retreat and results of the evaluation forms are included in the Member Services report. Planning is underway to hold a 2008 Chapter Chair Retreat in Detroit, in conjunction with the 2008 IEEE International Symposium.

FELLOW NOMINATION SUPPORT COMMITTEE (FNCS)

Chair Heyno Garbe wrote an article titled "Call for Fellow Nominations: Class of 2009" for the Summer 2007 EMC Newsletter. The article was written to encourage EMCS members to bring forward and submit Fellow nominations. Dr. Garbe has been nominated for the IEEE Fellow Evaluation Committee. If this nomination is successful, then Dr. Garbe will have to resign from the EMC Society FNCS; thus, this committee Chair position will be vacant. A decision will be made in November 2007. Bill Duff is the Chairman of the Evaluation Committee and the other members this year were Ernie Freeman, Hugh Denny, Dr. Gerry Capraro, and Art Wall. They will be evaluating candidates for 2008 during the months of March 15 through June 15.

MEMBERSHIP

No report was received from Membership Chair, Colin Brench.

REGION 8 MEMBERSHIP DEVELOPMENT

Elya Joffe reported that the membership activities in Region 8 consisted of promotion of membership at the EMC Zurich 2007 conference in Munich, Germany and at the SoftCOM 2007 conference in Split, Croatia. At each conference, a membership booth was provided and material handed out. In total, six new members were recruited to the IEEE and EMC Society. No new activities are expected for the remainder of 2007. The next activities in Region 8 are EMC Wroclaw in June 2008 and EMC Europe in September 2008. There are no new activities in forming new Chapters in Region 8, however, next year a focus will be placed on establishing an EMC Society Chapter in Africa. Mr. Joffe noted that beginning in 2008, the Region 8 Coordinator position would be vacant.

REGION 9 MEMBERSHIP DEVELOPMENT

Maria Alejandra Mora Riveros reported that there are currently 159 EMCS members in Region 9 (both student and professional), with 26 of these belonging to the newly formed Columbia EMC Chapter. Efforts are underway to expand membership in Columbia, Brazil and Argentina. On November 21, 2007 there will be an EMC workshop held in Manizales, Columbia. Carlos Sartori from IEEE South Brazil EMCS Chapter will attend. There are efforts underway to obtain representation from the Argentina Section. The Argentina Section is trying to create an EMCS Chapter.

REGION 10 MEMBERSHIP DEVELOPMENT

Professor Takeo Yoshino reported there is no change in status since his last report. Continued email communication attempts with Dr. Jaswinder Singh of SFS India have failed. Efforts to increase EMCS Chapter membership in Region 10 include offering first year free EMCS membership for applications received at symposia and workshops. Currently, in Region 10 there are nine EMCS Chapters: Japan, Sendai, Seoul, Beijing, Nanjing, Malaysia, Singapore, Australia (Victoria), Hong Kong, and Taipei/Taiwan. Professor Yoshino advised that there is a date change for EMC '09 in Kyoto. Dan Hoolihan thanked Professor Yoshino for his hospitality in setting up the incredible radio astronomy observatory tour on the big island of Hawaii held after the 2007 IEEE Symposium on EMC.

SURVEY

Fred Heather did not submit a report.

PHOTOGRAPHY

Ken Wyatt is the EMCS photographer. He has finished collecting and editing symposium images from the entire photo team members and delivered the images to Janet O'Neil for the EMC Newsletter and to others who made specific requests. He completed the cover design and "thank you" page for the Fall 2007 EMC Newsletter. He is planning to reprint and mount more updated photos for the IEEE booth in time for the Detroit symposium. Mr. Wyatt will retire from Agilent on Jan 31, 2008. He may be contacted at: ken@emc-seminars.com.

EMC SOCIETY GOVERNANCE

Kimball Williams and Mark Montrose reported on the status of revisions to the governance documents. Most have a target revision date of November 2007.

NOMINATIONS

Kimball Williams reported on the results of this recent Board of Directors election ballot. The successful candidates for a three-year term beginning on January 1, 2008 are Colin Brench, Francesca Maradei, Randy Jost, Fred Heather, Mark Montrose, and Bob Davis. Mr. Williams thanked all members who submitted their names for the ballot.

FINANCIAL ASSISTANCE PROGRAM (FAP)

Bob Hofmann and his FAP Committee will now manage the Financial Assistance Program. It is currently being rolled out to the EMCS web site and the "2008 IEEE International Symposium on EMC" web site and associated materials.

PACE ACTIVITIES (POSITION NOW VACANT)

SISTER SOCIETIES (RANDY JOST)

No report was received from Randy Jost.

9.0 EMC SOCIETY 50TH ANNIVERSARY COMMITTEE

Dan Hoolihan presented his report. (See 50th Anniversary Report.) The Power Point Presentation on the History of the EMC Society was completed and was shown in its entirety for the first time at the 2007 IEEE International Symposium on EMC. The presentation was distributed to the BoD along with additional material. An additional 70 copies have been made and are ready for distribution to the Chapter Chairs. The Historical Booklet, produced with the help of the Creative Services Group of the IEEE and the IEEE History Center, was distributed to all attendees at the 2007 Symposium and it was mailed to the members of the EMCS who did not attend the 2007 Symposium. The Top Transactions Papers for the first fifty years of the EMCS were selected and announced at the July 13th (Friday) 50th Anniversary Awards Luncheon. The papers will be republished in the EMC Newsletter; one paper in each issue in the future. With the excellent cooperation of Bob Scully, the 50th Anniversary Pin was flown on the Space Shuttle *Endeavour*, STS-118, August 8-21, 2007! A plaque was developed with the pin on it; the committee hopes to present it to the IEEE in the near future. Related to the IEEE History Center, 12 Oral Interviews on EMC Founders and early Presidents of the Society are completed, Oral interviews are now available on the website http://www.ieee.org/organizations/history_center/oral_histories.html or type "oral histories" into the search window of the IEEE web page. Hard copies of the EMC Transactions from 1957 to 1987 were sent to the IEEE for digitization. Some of those copies are now available through IEEE Xplore; namely, the years from 1966 through 1987 with the

exception of 1967 and 1986. Remaining committee activity includes continuing to research the “Top Papers”, developing an exhibit of the 50th Anniversary of the EMCS for the IEEE Headquarters in Piscataway, NJ (IEEE History Center), and transitioning the 50th Anniversary Committee to the History Committee of the EMC Society.

10.0 OLD/UNFINISHED BUSINESS

TAB Roster: President Drozd noted the following open representative positions:

Board Activity

Public Relations (under VP Communications)

PACE Coordinator (under VP Member Services)

SACCom

EIA R1/R2/CISPR I

IEEE Representative Liaison Positions (RAC)

IEEE Society on Social Implications of Technology

IEEE-USA Energy Policy Committee

IEEE-USA Medical Technology Policy Committee

IEEE Sensors Council

IEEE Systems Council (\$5K one-time membership)

Todd Hubing again volunteered to be the representative to the Systems Council (Mark Montrose volunteered to help as liaison to this council since he is a member of the AdCom). Don Heirman offered to be the interim representative for the EIA R1/R2/CISPR I committee until a permanent liaison may be found.

HARD COPY PROCEEDINGS

Barry Wallen noted that a question was raised about having print copies of the symposium proceedings available as an optional purchase on the symposium registration form. This will be offered for the EMC 2008 symposium.

11.0 NEW BUSINESS

AUDIO CONFERENCING SYSTEM

Fred Heather presented information on a sound system of microphones and PA systems that can be used for Board meetings. **Mr. Heather moved to spend \$10,000 for a Board conferencing system per his report. Dan Hoolihan moved to amend the motion to add that the expense be made in fiscal year 2007. The amended motion was seconded and approved.**

IT PLANNING COMMITTEE

President Drozd noted we have several IT needs including website maintenance for the BoD and the Standards Committees, Webinars, the FTP site, video storage (DL talks, etc.), reliance on the IEEE server, etc. He suggested appointing an IT planning committee chair (reporting to EMC-S President) and asked for suggestions of possible chair candidates. If anyone has suggestions, please contact Mr. Drozd.

iNARTE

Kimball Williams advised iNARTE is now able to select questions from the question pool that reflect specific technology segments for EMC (MIL-STD, commercial, industrial, automotive, aerospace, etc.). The Southeastern Michigan Chapter is beginning an experiment to help build up the number of available focused iNARTE questions by requesting specific questions focused on automotive EMC from members of the Chapter.

In order avoid placing an extra burden on the TAC, we are exploring ways to identify and certify local reviewers for these 'focused' questions by working with Bob Scully (TAC Chair) to develop a method for screening reviewers credentials and selecting those whose education, background and experience would give them the appropriate insight

into the questions and the technology. We expect to have an initial plan available for BOD review by our March meeting.

FOUNDERS/PAST PRESIDENT FINANCIAL SUPPORT AT ANNUAL SYMPOSIUM

Kimball Williams led a discussion about the Founders and funding their travel to attend EMC 2008. **Dick Ford moved to provide Honorary EMC Society Life Membership to all the Founders of the EMC Society. The motion was seconded and approved. Dan Hoolihan moved to provide a fund in the EMC 2008 budget not to exceed \$10,000 to support the travel expenses of the EMCS Founders to attend the EMC 2008 symposium. The motion was seconded and approved.**

OPEN ACCESS

Don Heirman led a discussion on open access to IEEE publications. Open access is the availability of these without charge. In the US the push for no charge access is for those publication or the work that that was used as the source for the publication that was funded by certain government agencies. There is current discussion about this topic within IEEE Publication Services and Products Board where this may have the most impact if it goes beyond government funded projects. This might even cover our conference proceedings, for example.

TECHNICAL CO-SPONSOR REQUEST

Barry Wallen moved to approve technical co-sponsorship of the Kyoto Japan EMC Symposium to be held over July 20-24, 2009. The motion was seconded and approved.

MEETINGS FOR 2008/2009

Elya Joffe confirmed the following schedule of meetings for 2008/2009:

Greenville, SC, March 13-15, 2008

Thursday, March 13: Standards, ExCom, Chapter evening meeting

Friday, March 14: BoD meeting

Saturday, March 15 (AM): LRP Brainstorming Exercise

Salt Lake City, UT, May, 30-31, 2008

Friday, May 30: Standards, ExCom, Chapter evening meeting

Saturday, May 31: BoD meeting

Detroit, MI, August 16-22, 2008

Saturday, August 16: ExCom

Sunday, August 17: BoD meeting

Thursday, August 21: BoD dinner meeting

Long Beach, CA, November 19-21, 2008

Wednesday, November 19: Standards, Long Range Planning Session, ExCom

Thursday, November 20: BoD meeting, BoD Annual Dinner

Friday, November 21: Long-Range Planning

12.0 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.

13.0 ADJOURNMENT

There being no further business, the meeting adjourned at 5:10 pm.

Submitted by:

Janet O'Neil
Secretary, EMC Society Board of Directors