

APPROVED MINUTES
OF THE IEEE EMC SOCIETY
BOARD OF DIRECTORS MEETING

May 24, 2005
Marriott Hotel
Tucson, Arizona

MEMBERS PRESENT (20)

B. Archambeault
C. Brench
N. Carter
A. Drozd
H. Garbe
F. Heather
D. Heirman
L. Hill
D. Hoolihan
T. Hubing
W. Kesselman
F. Maradei
M. Montrose
J. Norgard
J. O'Neil
G. Pettit
A. Podgorski
D. Sweeney
R. Wallen
K. Williams

MEMBERS ABSENT (5)

M. Hatfield
E. Joffe
S. Nitta
R. Scully
D. Staggs

GUESTS (0)

1.0 THE PRESIDENT'S OPENING REMARKS

President Williams called the meeting to order at 9:00 am. A round of introductions was made. President Williams presented the agenda. (See Attachment 1.) All items were pulled from the consent agenda and will be addressed separately during the regular agenda for today's meeting. Andy Drozd moved to approve the agenda as amended. The motion was seconded and approved.

2.0 PRESIDENT-ELECT REPORT

Andy Drozd spoke about the afternoon activities planned for long range planning. Mr. Drozd noted that he would present the report of Membership Services since Elya Joffe would not be present at the meeting today. Later in the day, he will review the meeting schedule for 2006.

3.0 TREASURER'S REPORT

Treasurer Warren Kesselman briefly summarized his report. (See Attachment 2.) Regarding 2004 Operations, the IEEE 2004 Post-Closing/Pre-Audit financials project a \$518,000 net operations surplus. This is an increase over the preliminary surplus reported at the Board's March 2005 meeting. Investment return of \$123,600 was included in the latest IEEE report. His report contains a summary of the latest financials. It is anticipated that the final audited report will not be significantly different from the pre-audit report. Regarding the 2005 Operations Forecast, the first quarter forecast review with IEEE projected a potential year-end operations deficit of -\$58,600. The main reason for this significant deficit (2005 budget was \$1,800 positive) is due to an auditing procedural change that occurred late in 2004. Conference surplus must now be accrued in the same year as the conference year. Hence, Chicago's finances will be "booked" in 2005. Their approved preliminary budget projected a surplus that is less than the 2004 conference projected surplus reflected in EMC's approved 2005 budget. In order to achieve a 2005 year-end "zero net" balance objective, EMC committee expenses should be closely monitored (2004 actual expenses were about \$80,000 less than budgeted in 2005). Also, Chicago's Symposium Committee should address ways to improve their projected surplus. (The EMC's VP Conferences is working with Chicago on that objective.) The first-pass 2006 budget received from IEEE projected a net surplus of \$75,600. That budget was modified to reflect the 2006 Symposium approved preliminary budget surplus, the three new initiatives approved at the Board's March meeting and the Transactions page budget approved at the March meeting. The revised budget returned to IEEE contained a net deficit of \$17,300. (Note: Without the new initiatives, the net would be a positive \$8,700.) Small changes may be made in the second-pass budget (July time frame). Ghery Pettit moved to approve the treasurer's report. The motion was seconded and approved.

4.0 SECRETARY'S REPORT

Secretary O'Neil moved to approve the minutes of the March 8, 2005 meeting in Research Triangle Park as amended during the meeting. The motion was seconded and approved.

5.0 COMMUNICATION SERVICES

Ghery Pettit, Vice-President for Communication Services, presented his report. (See Attachment 3.) He summarized the activities involving the Newsletter and the Transactions.

NEWSLETTER

Janet O'Neil, Newsletter Editor, advised that the Spring 2005 issue is 60 pages and is still under production. The Spring issue features an article by Dan Hoolihan about the Anniversary Committee's goal to select the top ten Transactions and Symposia papers, respectively, from the last 50 years of the EMCS. There are two practical papers; one is by Chris Holloway of NIST on the history of the OATS and one is from EMC Europe 2004 by A.P.J. van Deursen and H.M. van der Zanden of the Technische Universiteit Eindhoven on non-conservative electric fields, which is a demonstration for an introductory electromagnetics course. Johan Catrysse is featured in the Personality Profile column. Frank Sabath joined the Newsletter Staff as an additional Associate Editor for Personality Profile. He will focus on non-US residing members, while Bill Duff will focus on US residing members. Also included are a special summary of EMC Zurich by Ruediger Vahldieck, and the EMCABS, Chapter Chatter, Board of Directors Activities, the Calendar Section, and the President's Message. The Standards Section features an article about "Broadband Over Power Lines." The cover story for this issue is a general nature scene by Ken Wyatt to call attention to the OATS paper. There are 10 full pages of paid advertising, 6 each ½ page ads, 1 each ¼ page ad, 2 each 1/3 page ads, and 2 business card size ads. This is way up from the last issue (Winter 2005), which had 7.83 pages of paid ads total! From the Winter 2005 issue, EMCS received \$6,916.60 in ad income. Ms. O'Neil noted that she attended the IEEE Panel of Editors meeting over April 8-9 in New Orleans. Flavio Canavero attended as well. Her "Letter from the Editor" in the Spring 2005 issue includes information about Xplore and IEEE Electronic Publishing that was presented at this conference. There will be an "editorial calendar" of the Newsletter issues to be published in 2006. Topics being considered include Automotive EMC, Medical EMC, Aerospace EMC, Wireless EMC, EMC in Academia, etc. We also need to call attention to our 50th anniversary on the cover of an issue in 2006. If we have topics determined in advance, IEEE Media could solicit advertising accordingly and this may help increase our ad revenue. It will also help Bob Olsen solicit papers for these special topics. Lastly, Ms. O'Neil will attend the EMC Society Five Year IEEE Review in Chantilly, VA on Thursday, June 16. Over this past month, she has been working on her report for the EMC Newsletter for this review.

TRANSACTIONS ON EMC

Mr. Pettit reviewed the report provided by Flavio Canavero, Transactions on EMC Editor in Chief. To date, 74 new manuscripts have been submitted in 2005. This number exceeds the submission rate of 2003 and 2004. The February 2005 issue was on time. The May 2005 issue is being printed and should be available very soon. Currently, there is a backlog of 34 papers, for an estimated number of 272 printed pages, waiting to be assigned to future issues. The approved page count budget for 2005 is 750 pages, of which 212 were used for the February issue, and approximately 200 are being used by the May issue. This leaves 338 for the last two issues of 2005, of which 80% is allocated already to accommodate the backlog. In order to alleviate, at least partially, the backlog problem, that translates into a long delay between the approval of a paper and its appearance in printed form, on April 14th, in cooperation with the Publications Department of IEEE, Professor Canavero activated the procedure of Rapid Posting for the EMC Transactions papers. This procedure, for which there is no additional cost to implement, works by processing one article at a time. He sends the accepted papers to the Publications Department, as soon as he has approved the final version, instead of by a particular deadline. The Publications Department is to post each article to Xplore within six weeks of receipt. Thus, the article will be available on the web well ahead of being printed. This is a great advantage for the authors and the technical community. Regarding the page

budget for 2006, considering that a large backlog will still remain at the end of 2005, that the submission rate is not decreasing with respect to the past years, and that it is important to consider again having a special issue from 2006 on, Professor Canavero proposes to plan the future page budgets with an objective of 1000 printed pages to be reached in 2007, and an intermediate step of 875 pages for 2006. He pointed out that the new model for publications revenue distribution (adopted by IEEE and starting in 2007) plans to give back to Societies 50% of income based on PDF downloads by IEL subscribers, and 35% based on the number of pages placed in Xplore. Thus, it is evident that, allowing ourselves more papers to ‘sell’ –especially if they are of good quality- should increase the Society’s income from IEEE. Regarding the selection of the 2004 Best Paper in the Transactions on EMC, he started the process on March 21, 2005. His report details the voting procedure undertaken to select the best paper.

After much discussion on the Transactions page count versus the current backlog of papers, Ghery Pettit moved, subject to approval by IEEE, to increase the page count for the 2006 Transactions on EMC to 891, including covers. The motion was seconded and approved.

WEB

Mr. Pettit noted that Elya Joffe is the webmaster. Andy Drozd advised that he is helping Elya to streamline the transition. The IEEE has been slow to update the site by the seven days from receipt of information as stipulated in the contract. Mr. Drozd will follow up on this with IEEE directly.

IEEE PRESS

Mr. Pettit noted he did not receive a report from Ray Perez. Mark Montrose advised that he has been in contact with IEEE Press and provided information that the relationship with Wiley will continue. Significant changes will be made in the program. Details to be announced.

PUBLIC RELATIONS

In the absence of Dave Staggs, Mr. Pettit presented his report. He noted that the previous EMCS promotional VHS videos created in the early 1990s have been located and reviewed. Most of the footage is usable and is not “dated”. The dated information will be removed and replaced with a focus on new technology; such as wireless, etc. The use of 50th Anniversary of the EMCS video as a promotional video is being discussed. The opportunity to combine and make a multipurpose video (celebrating 50th anniversary of the EMCS and to also use as a promotional video for membership) is real and would save the EMCS money. Discussions are ongoing with the History Committee. The design of the new EMCS lapel pin is ongoing. When the design is ready, the variations of the design will be brought to the BoD for review and selection.

6.0 STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. (See Attachment 4.) Standards activity covers three major areas: The Standards Education and Training Committee (SETCom) chair position is vacant and a replacement is being sought, and the Standards Advisory and Coordination Committee (SACCom) chair Elya Joffe is resigning and he is looking for a replacement. The Standards Development Committee (SDCom) continues to be chaired by Stephen Berger.

The Standards Committee met prior to the Board meeting. Main topics discussed during the meeting included broadband power line (BPL) communications activities which encompassed noting that the EMCS is the co-sponsor of a BPL PAR on EMC measurements with the Power Engineering Society. Stephen Berger is the co-chair of the task group writing the BPL standard. He is searching for EMCS participants to help with the effort. Mr. Heirman also indicated that there are two sessions focusing on broadband power line issues at the Chicago symposium. Other topics included continuing work on conformance evaluation of Software Defined Radio (SDR) and approving a draft PAR which uses mathematical concepts and methods to help in assuring SDR compliance with spectrum use requirements.

Mr. Heirman's report outlined the following areas of current Standards Activity:

- *Line replaceable module PAR readied for NesCom
- *Broadband Powerline Access—EMCS co-sponsor of EMC measurement PAR with PES
- *Policy (Software) Defined Radio—Policy/procedure accepted in principle
- *TV emission measurements (Std. 187); IEC challenge to refuse a standard having a dual logo with IEEE
- *Shielding effectiveness (Std. 299) — new leader being sought
- *Impulse bandwidth (Std. 376) —awaiting input from technical expert
- *EM site survey (Std. 473)—1 year extension for completion requested
- *RF absorber evaluation (Std. 1128)— resolving ballot issues
- *VDT emissions (Std. 1140)—reaffirmation completed
- *Gasket character (Std. 1302)—needs progress
- *Probe calibration (Std. 1309)—on NesCom agenda for PAR approval
- *RF filter performance (P1560)—Recirculation needed
- *Computations EM (P1597)—1 year extension of project recommendation approved

Mr. Joffe's SACCom report is included in Attachment 5. The Standards Committees will meet in Chicago in conjunction with the IEEE EMC Symposium and again in November in Portland.

7.0 MEMBER SERVICES REPORT

Andy Drozd presented the report of Membership Services for absent VP Elya Joffe. (See Attachment 6.)

AWARDS

Bruce Archambeault gave a report on the EMCS Awards. Mr. Archambeault presented the list of award nominees in advance of the May Board meeting. Letters of support were reviewed for the major award nominees. (See Attachment 7 for the list of awards and number of nominations per award.)

Todd Hubing moved to approve the nomination of Cinzia Moca from the University of L'Aquila as the recipient of the 2005 President's Memorial Award in memory of Myron Crawford. The motion was seconded and approved. Don Sweeney abstained from voting.

The Richard R. Stoddart award candidates were presented. Discussion ensued concerning the two candidates. After a closed ballot, Al Rheuli was selected to receive this award.

The Laurence G. Cumming award candidates were presented. Todd Hubing moved to approve the nomination of Herb Mertel as the recipient of the Laurence G. Cumming award. The motion was seconded and approved.

Mr. Archambeault reviewed the list of nominees for the EMC Society Honorary Life Member award. Mr. Archambeault moved to approve giving the Honorary Life Member award to Bud Hoeft. The motion was seconded and approved. Don Sweeney abstained from voting. Mr. Archambeault moved to approve giving the Honorary Life Member award to Jim Muccioli. The motion was seconded and failed. Andy Drozd abstained from voting. Mr. Archambeault moved to approve giving the Honorary Life Member award to Bob Olsen. The motion was seconded and approved.

Mr. Archambeault reviewed the candidates for the Certificate of Acknowledgement award. Jim Blaha, Akira Sugiura, and Henry Benitez have been nominated. Mr. Archambeault moved to approve giving the Certificate of Acknowledgement award to Jim Blaha. The motion was seconded and approved. Mr. Archambeault moved to approve giving the Certificate of Acknowledgement award to Akira Sugiura. The motion was seconded and approved. Mr. Archambeault moved to approve giving the Certificate of Acknowledgement award to Henry Benitez. The motion was seconded and approved.

Mr. Archambeault moved to approve giving the Symposium Chairman Award to John Howard. The motion was seconded and approved.

Mr. Archambeault showed the candidates for the Certificate of Recognition award. Mr. Archambeault moved to approve giving the Certificate of Recognition award to Teresa White.

Mr. Archambeault showed the candidates for Certificates of Appreciation. Bruce Archambeault moved to approve presenting the entire list of candidates with the Certificate of Appreciation award. The motion was seconded and approved.

Mr. Archambeault presented the candidate for the Certificate of Technical Achievement. Mr. Archambeault moved to present the Certificate of Technical Achievement award to Farhad Rachidi. The motion was seconded and approved. Nigel Carter abstained from voting.

Andy Drozd spoke about a new award proposed for the EMC Society. The title of the award is the Leo L. Beranek Anechoic Chamber Travel and Scholarship Award. If approved, the award would be presented for the first time in 2006. Andy Drozd moved to approve creating this award. The motion was seconded. The Board suggested changing the wording of the award to read "The Leo L. Beranek Anechoic Chamber Student Travel Award." The motion was seconded and approved.

MEMBERSHIP

As noted in Mr. Joffe's report, we have 3,909 active EMCS members currently as of March 2005. The net is down 1.7% compared to about the same time in 2004. This represents a retention rate of 81% from 2004 to 2005. The membership breakout shows Higher Grade: 3,713 (-1.4%), Students: 192 (-7.7%), and Affiliates: 4 (N.C.). The SAMIEEE membership database shows we have 3,979

active members. Total IEEE membership as of March 2005 is 316,663 (+0.5% over 2004 numbers), Student and Higher Grade membership categories showed an increase in all four non-US regions offset by decreases in US Higher Grade membership.

DISTINGUISHED LECTURER (DL) PROGRAM

Andy Drozd reported on the DL program and the revised policy for DL travel. A draft is included in Attachment 8. The Board reviewed this document at the March meeting. IEEE has also reviewed this document. Mr. Drozd moved to approve the revised DL Policy as presented. The motion was seconded and approved.

CHAPTER ACTIVITIES

Ghery Pettit's report is included in Attachment 6. There are two new chapters; Poland and Croatia have submitted petitions to IEEE to form new EMC chapters. Australia is working on submitting their petition to form a new EMC chapter. Mr. Pettit updated the EMCS Chapter Chair Handbook and forwarded this recently to the Chapter Chairs.

FELLOW SEARCH

Heyno Garbe has been appointed as the Fellow Search Committee Chair. A list of 6-7 potential Fellow candidates has been forwarded to Heyno. Heyno will initiate the nomination process for the candidates. He will contact the candidates and request receipt of their resumes, and identify potential nominators who will prepare the application forms. He will then contact the nominators and assign the tasks. In parallel, Heyno plans to form an international Fellow Search Committee, from members from around the globe within the EMCS. Volunteers are welcomed to assist in this effort. As a bit of background, the Fellow Evaluation Committee consists of five EMC Fellows including Bill Duff as Chairman. Member representation includes industry (Bill Duff, consultant and Ernie Freeman, SFA), the government (Art Wall, FCC), a research institute (Hugh Denny, Georgia Tech Research Institute), and academia (Jose Perini, Syracuse University). The Committee is currently in the process of evaluating the Fellow candidates. There are five highly qualified candidates this year (the best qualified that Bill has seen since he has been involved in Fellow Evaluations). The evaluation will be completed and sent to the IEEE Fellow Evaluation Committee before the June 15, 2005 deadline. Heyno hopes to be able to have three or four EMCS candidates elected to the Fellow grade this year

NOMINATIONS AND BYLAWS

Todd Hubing, Nominations Chair, noted that the call for nominations for Board members for the three-year term 2006-2008 was included in the Winter 2005 issue of the EMC Newsletter. Completed nomination petitions must be postmarked by May 31, 2005.

SURVEY

Fred Heather noted that two surveys were distributed at the Santa Clara symposium; one to exhibitors and one to attendees. He showed the results of the survey distributed to exhibitors. (See Attachment 9.) Many of the suggestions received from the exhibitors will be implemented in Portland 2006.

PHOTOGRAPHY

Ken Wyatt is the EMCS photographer. He continues to support the EMC Newsletter by providing cover photos. He is also assisting the Chicago Symposium committee by providing photos and art design for the advance program.

PACE

No report was received from Bill McGinnis.

REGION 8 REPORT

As noted in Mr. Joffe's report, there are two planned symposia and membership development activities scheduled for Region 8. These include the EMC-2005–VI Symposium on EMC and Electromagnetic Ecology, in St. Petersburg, Russia, over 21-24 June 2005. EMC Europe will be held in September, 2006, in Barcelona. Mr. Joffe will attend these events and represent the EMCS with the Membership Booth.

REGION 9 REPORT

Mr. Joffe notes that the present focus is on establishing a Mexican Chapter with Dr. Valeri Ivanovich Kontorovitch Mazover and with Dr. Roberto Linares (anticipated Chapter Chair) leading the process to get the required number of signatures for the petition form. Further, there is a positive indication as to where we have a good chance to form chapters in Region 9 including: South Brazil (we have a Chapter there in Sao Paulo) and Argentina. In Mexico and other Sections, only a joint chapter can be formed as they have less than the necessary 12 members to form a chapter independently.

REGION 10 REPORT

There is growing activity in this region. Most notable, the Australia chapter's petition for signatures is in process. The Thailand Chapter petition is still short two signatures, but the process remains ongoing. The effort to form a second EMCS chapter in Malaysia has stalled as the original chapter is having difficulties. Regarding chapter formations in India, difficulties remain in establishing a "central chapter" due to delicate "territorial" issues inherent in this country. Upcoming planned symposia and membership development activities in this region include EMC Asia, in Taipei, December, 2005 and EMC Zurich in Singapore, February, 2006.

8.0 TECHNICAL SERVICES

John Norgard, Vice President for Technical Services, presented his report. (See Attachment 10.)

TECHNICAL ACTIVITIES COMMITTEE (TAC)

Mr. Norgard advised that the Chair of the Technical Advisory Committee (TAC) is Bill Strauss. Vice-Chair is Arto Chubukjian, and Secretary is Robert Scully. Mr. Norgard noted that the TCs are reviewing the full papers for Chicago. This is being done entirely electronically this year and some

delays have been experienced due to the time required to review full papers instead of the traditional abstracts submitted in the past. 19 workshops are being planned by the TCs in Chicago.

Mr. Norgard moved to approve that the EMC Society co-sponsor the following conferences: EMC UK 2005, 2005 PSES, DySPAN, and EMC Compo. The motion was seconded. During discussion, Ghery Pettit moved to split the motion. The motion to split was seconded and approved. Lee Hill abstained from voting. John Norgard moved that the EMCS technically co-sponsor EMC UK 2005. The motion was seconded and approved. John Norgard moved that the EMCS technically co-sponsor PSES 2005. The motion was seconded and approved. Lee Hill and Janet O'Neil abstained from voting. John Norgard moved that the EMCS technically co-sponsor EMC Compo 2005. The motion was seconded and approved. John Norgard moved that the EMCS decline technical co-sponsorship of SICEL 05. The motion was seconded and approved. Nigel Carter and Don Sweeney abstained from voting. John Norgard moved that the EMCS technically co-sponsor DySPAN 2005. The motion was seconded and approved.

REPRESENTATIVE ADVISORY COMMITTEE (RAC)

RAC Chair Fred Heather presented his report. There are plans to hold a joint RAC/SAC meeting in Chicago. Details will be announced. The membership list was presented. See Attachment 11.

EDUCATION AND STUDENT ACTIVITIES COMMITTEE (ESAC)

John Norgard reported for Maqsood Mohd, Chair of this committee. His detailed report is included in Attachment 12. Mr. Mohd noted that the student paper contest has been a great success again this year. The total number of papers received was significantly higher than previous years. The number is almost 40. This is a healthy increase from a mere nine papers last year. The average has been around 20. The committee is checking whether all of these papers are truly from students. Tom Jerse is the new Chair of Student Activities. The Education and Student Activities committee is especially busy at this time of year getting ready for the Chicago Symposium. They are supporting the Fundamentals on EMC tutorial as they do each year, the Student Design Contest, the University Grant Award (only one proposal was received this year), the Experiments and Demonstrations, etc. Mr. Mohd has also prepared a five year plan for his committee which is included in Attachment 12. Regarding the University Grant Award, the committee has begun to track the progress and effectiveness of EMCS seed money to the universities. Feedback from the universities was reported to the BoD during the DC Symposium, and the Minneapolis symposium. An article from University of Michigan, Dearborn also appeared in the Newsletter. An article about Clemson University appeared last year. It appears these grants have been a sound investment by the EMCS.

9.0 CONFERENCE SERVICES

Barry Wallen, Vice President for Conference Services, presented his report. (See Attachment 13.)

Mr. Wallen moved to accept the 2005 (Chicago) final budget. This includes a revised revenue forecast of \$996K and a revised surplus of \$120K. The motion was seconded and approved. Don Heirman abstained from voting.

Mr. Wallen discussed the September 2005 EMC Workshop in Rome. Mr. Wallen moved to approve that the EMCS technically co-sponsor the September 2005 EMC Workshop in Rome. The motion was seconded and approved.

Mr. Wallen presented the list of applicants for the 2010 IEEE International Symposium on EMC, including Fort Lauderdale, Washington DC, and Vancouver (Canada). Presentations on these possible venues will be made at the August Board meeting.

A review of the EMC Symposia management was presented by Mr. Wallen. He showed the presentation given at the Symposia Task Force meeting about formalizing various symposium functions. Several positions would be held by the same person from year to year to lend consistency and expertise to the management of our symposia.

Activity on IEEE EMCS International Symposia was noted as follows and is detailed in Mr. Wallen's report:

Regarding 2004 Santa Clara, the symposium did very well last year. The expected net surplus is approximately \$245,000. The final report should be filed soon.

Regarding 2005 Chicago, Chair Tom Braxton reports all is in track. A detailed summary of activity is included in Attachment 13.

Regarding 2006 Portland, Chair Henry Benitez is working to fill positions on his committee and create the Call for Papers document. A logo is being worked on along with promotional material to bring to Chicago.

Regarding 2007 Honolulu, Chair Janet O'Neil advised that there will be several committee meetings in Honolulu over July 6-8. Committee positions are being filled. Outreach efforts have been initiated with the MTT and AP Societies who are having their respective symposia in Honolulu the summer of 2007. Marketing is currently focused on bringing new engineers from Asia to the symposium in 2007, especially the automotive EMC engineers.

For 2008 Detroit, the chair is Kimball Williams. Scott Lytle is the Vice-Chair and Graeme Rogerson is the Treasurer. Most key committee positions have been filled. The host hotel contract and the convention center contracts have been signed.

For 2009 Austin, Chair Dave Staggs has the major committee positions filled. IEEE insurance forms have been submitted to IEEE CMS. The host hotel contract (the new Hilton located adjacent to the convention center) has been signed. The Convention Center has been reserved.

EXHIBITOR LIAISON

Janet O'Neil reported that she is working on the agenda for the Exhibitors Breakfast in Chicago and coordinating the respective presentations to be made. She had a recent conversation with Henry Benitez, Chair of the EMC 2006 Symposium, about his presentation at this breakfast meeting. He will coordinate this with the representative from the Oregon Convention and Visitors Bureau. She will have further information on EMC 2007 after the committee meeting there July 8-10. Of course, EMC 2005 Chicago will have a report to make at this breakfast. Vita Feuerstein of IEEE CMS

requested that the symposium task force committee address five important symposia issues at the May 23 meeting. She is coordinating this with Barry Wallen. IEEE CMS is currently assigning exhibitors their booth spaces for the Chicago Symposium.

REGIONAL CONFERENCES

Janet O'Neil reported on regional events in Regions 1-7. Since the last March 2005 Board report, there have been several tabletop shows. This includes the March 9 event sponsored by the Eastern North Carolina EMC Chapter. This was the second time the chapter held this type of event; the last time was 3-4 years ago. Some 70 people attended and the event was well received. It generated some \$5K in surplus for the chapter. On March 18, the Tucson EMC/MTT/AP Chapter held a joint event with the Antenna Measurement Techniques Association. Phoenix EMC Chapter Chair Harry Gaul was one of the speakers. Some 65 people attended. On March 22, the Milwaukee EMC Chapter held its annual EMC Educational Seminar. Bruce Archambeault and Lee Hill spoke at both the March 9 and March 22 chapter events. 147 people attended the Milwaukee event! This is their highest turn out ever since they started doing this annual event in March 2002. On April 25, the Oregon and SW Washington EMC Chapter held a joint event with the PSES. Some 60 people attended. Todd Hubing was one of the speakers. On May 3, the SE Michigan Chapter held a colloquium and exhibition with speaker Henry Ott. This was also exceptionally well attended by over 120 people. The surplus achieved at the Milwaukee, Portland, and Michigan events is not available. On May 17, the Chicago EMC Chapter will hold their annual tabletop show. Frank Krozel of the chapter has organized this event each year for the past seven years. There has been some criticism that this event should not have been scheduled this year since the annual IEEE EMC symposium will take place in Chicago. However, this was discussed at the Chapter officer level last year and they decided to proceed with holding the event. It appears they made a good decision as 84 people are registered to attend at this date; with walk-ins, 100 people overall are expected. 22 vendors are participating this year (compared to 18 exhibitors in 2004). The San Diego EMC chapter will hold a joint event with the PSES over May 24-25. Registration by exhibitors appears to be going well, but attendee registration is lagging. Additional publicity is underway to build attendance by EMC engineers in the area. San Diego EMC Chapter Chair Mark Frankfurth is spearheading this event. Typically, the chapters do not hold these events in the summer, there will be one or two in the fall of this year as in the past. The Los Angeles EMC Chapter is planning a tentative event on "Aerospace EMC" for Monday, September 26, 2005. Ms. O'Neil is working with LA Chapter Chair Ray Adams on this colloquium and exhibition. Lastly, related to Chapters, Ms. O'Neil has worked with Sarah Morales of the joint EMC/AP/MTT chapter in Tucson. There will be a special chapter meeting on May 24 when the EMC Board of Directors is in town for their meeting. The speaker is Nigel Carter. Meeting announcements have been circulated to the members of the Phoenix and Tucson chapters, to the IEEE Tucson Section, as well as to the EMC Board of Directors. In closing, Ms. O'Neil noted that she has also continued communication with members of the EMC Society of Australia about a regional event with the IEEE EMC Society in 2006.

Regarding Region 8, Frank Sabath's report is included in Attachment 13. He noted that efforts proceed regarding cooperation with EMC Europe. Steps are being taken to prepare a MoU between the IEEE EMC-Society and the steering committee of the EMC Europe. The negotiations have been continued since the March report. Johan Catrysse and Mr. Sabath will try to present a final draft of the MoU at the August Board meeting. Regarding retention of records of co-sponsored symposia, there is nothing new to be reported; an update as well as a draft for a MoU will be presented at the August Board meeting. The following EMC conferences will take place in Region 8:

VIth International Symposium on EMC and Electromagnetic Ecology 2005

Date: June 21 – 24, 2005

Location: St. Petersburg, Russia

Status: Technical Co-Sponsorship approved

During the symposium, the IEEE EMC-S organized / sponsored a special session on Shipboard EMC

5th International Workshop on EMC of Integrated Circuits (EMC Compo 2005)

Date: November 28-30, 2005

Location: Munich, Germany

Status: Technical Co-Sponsorship approved

Mr. Sabath prepared an MoU on technical co-sponsorship as well as a conference information sheet. Both documents have been sent to Mr. T. Steinecke. During this workshop, the IEEE German EMC-Chapter will be present and operate an exhibition booth.

EMC Wroclaw 2006

Date: June, 2006

Location: Wroclaw, Poland

Status: unknown

Past Wroclaw symposia were co-sponsored by the IEEE EMC-S. Mr. Sabath advised that he has no knowledge about an application for a technical co-sponsorship for the 2006 symposium and will check with Nigel Carter about this.

EMC Europe 2006

Date: September 11 – 15, 2006

Location: Barcelona, Spain

Status: Technical Co-Sponsorship approved

Region 8 Workshops

Currently the IEEE EMC-S is involved in the organization of following regional events and workshops:

Table Top Show of the Israel Chapter

Date: May 2, 2005

Location, Scope, Contact: TBD

EMC-S Liaison: Elya Joffe

EMC Europe Workshop (Region 8 Workshop)

Date: September 19 – 21, 2005,

Location: Rome, Italy

Scope: Electromagnetic Compatibility of Wireless Systems

Contact: Mauro Felizian, felizian@ing.univaq.it

EMC-S Liaison: Prof. Dr. Heyno Garbe

Professor Suichi Nitta's report on Region 10 activity is included in Attachment 13. He noted that ICEMC05 in Thailand is overcoming the damage due to Tsunami, ICEMC05 is being held on schedule (July 20-22) in Phuket, Thailand. At this moment, the number of applied papers is 30 from abroad and 50 from Thailand. The Pan-Pacific Joint Meeting (PEMC05) will be held at Awaji island, Hyogo, Japan on May 26-27. At this meeting, the activities of EMC technologies and research in Pan-Pacific will be reported by the representatives in Region 10 and discussed about how to enhance the EMC technologies in this area. Professor Nitta's report includes a list of upcoming regional events in his area.

GLOBAL EMC SYMPOSIA

Nigel Carter reported on the current status of EMCS cooperation with global conferences and symposia as follows:

Conference	Dates	EMC-S Approval
16 th International Zurich Symposium & Technical Exhibition on Electromagnetic Compatibility	Feb., 14-18, 2005	Technical Co-Sponsorship approved based on BoD Policy. <i>MOU signed</i>
17 th International Zurich Symposium & Technical Exhibition on Electromagnetic Compatibility - Singapore	Feb. 28 to March 3, 2006	Technical Co-Sponsorship approved based on BoD Policy. MOU Signed
EMC Europe 2006 Barcelona	September 4 - 8, 2006	Technical Co-Sponsorship approved based on BoD Policy. MOU Signed
EMC Compo, Munich Germany		Request forwarded to TAC for consideration of technical co-sponsorship
Product Safety Engineering Society Symposium, Schaumburg, Ill.	October, 3-4, 2005	Request forwarded to TAC for consideration of technical co-sponsorship
III International Symposium On Power, Bogotá Colombia	November 16-18, 2005	Request forwarded to TAC for consideration of technical co-sponsorship

10.0 EMC SOCIETY 50TH ANNIVERSARY COMMITTEE

Dan Hoolihan presented his report. See Attachment 14. His report reviews the plans for celebrating the anniversary, including oral interviews with founders and other key members of the Society, the power point presentation under development on the Society's history, and putting the Transactions on EMC on a DVD. Regarding the EMCS Transactions, Ghery Pettit and Flavio Canavero have started to look at a special issue of the Transactions to commemorate the 50th Anniversary. This issue will be similar to the EMCS Silver Anniversary Issue published by the IEEE in August of 1983 (Volume EMC-25 – Number 3). His committee is discussing the coordination of costs of putting all the EMCS Transactions on a DVD with the IEEE on a special "digitization" project. Regarding EMCS Symposium Records, the committee continues to research the costs and methods of putting

the EMCS Symposium Records on a DVD. Hopefully, the EMCS will benefit from the IEEE's recent efforts on digitizing all records prior to 1988 and placing them in the electronic laboratory to be accessed via Xplore. Regarding the EMCS Newsletter, an article was written for the summer issue of the EMCS Newsletter asking for recommendations on the best 10 papers of the last 50 years, including the Best 10 Transactions Papers and the Best 10 Symposium Papers. Mr. Hoolihan noted that the Silver Anniversary Issue of the Transactions (EMC 25-3) has indices to the 1959-1982 Transactions and to the 1962-1982 Symposium. Records which will be used to find prospects for the best papers include oral interviews with EMC notables. Oral interviews have been conducted with Warren Kesselman, Chester Smith, and Leonard W. Thomas, Sr. These are available at <http://www.ieee.org/organization/historycenter/oralhistories.html>. Interviews are nearly completed on Ralph Showers and Milton Kant (both are founders of the EMCS). Interviews are in process for James P. McNaul (the 2nd President of the EMCS), Joseph F. Fischer (13th President of the EMCS), William Eugene (Gene) Cory (14th President of the EMCS) and Anthony G. Zimbalatti (Founder of the EMCS). A Power Point presentation on the history of the EMC Society continues under development. Progress remains slow due to personal commitments on the part of the person developing the PP presentation. It is now hoped that the presentation will be given as part of the Distinguished Lecturer program of the EMCS starting in 2006. Mr. Hoolihan's report concludes with additional proposed activities to consider for commemorating the Anniversary.

11.0 NEW BUSINESS

Digitization of IEEE Intellectual Property

Warren Kesselman presented a report on this topic. See Attachment 15. He received an e-mail from IEEE requesting EMCS consideration of an opportunity to digitize Intellectual Property (IP) "backfile" (i.e. pre-1988 publications). IEEE Xplore is a repository of all IEEE IP. They would like to have all society IPs digitized since 1988. IEEE's electronic library is a widely used research tool and returns revenue. 13 Societies have digitized all their IP to date while several Societies are currently digitizing IP. This would be coordinated through IEEE Publication Product Management with one vendor to complete the entire project (estimated at a total \$1M quote, 750,000 pages at \$1.30/pg). 25% of the total cost would be funded by IEEE. IEEE suggests using the forecasted 2005 IEL net improvements to begin funding the effort. Mr. Kesselman advised that TAB FinCom will allow Societies and Councils to overrun 2005 budgets to participate in the project. The fund impact on EMCS operations is estimated to be \$16,800 for digitization. The 2005 IEL forecast "upside" is \$8,700. Thus, the net estimated impact is \$8,100 negative. Ghery Pettit moved to send an "approval in principle" message to Leah Jamieson and John Vig of IEEE that the EMCS would like to participate in the IEEE digitization of EMC Society intellectual material. The motion was seconded and approved.

Governance

Mark Montrose discussed governance of IEEE Societies. See Attachment 16. He led a discussion on EMCS Constitution and Bylaws and listed considerations when amending our Constitution and Bylaws. He posed the question, "How much consistency do we want between our governance documents and IEEE Policies and Procedures?" The Board agreed to review the presentation for further discussion at a future meeting.

EMCS Presentation Tracks at other IEEE Symposia

Don Heirman presented a report on the history of the EMC Society in participating in other IEEE conferences related to EMC. See Attachment 17. For example, the EMC Society would organize special sessions at the Communications Society symposia on topics related to communications and EMC. In the late 1970's, EMCS presented technical paper sessions at Communications Society conferences (at the time it was called the National Telecommunications Conference). The purpose was to introduce ComSoc to EMC aspects of crosstalk interference and effects of power line noise on parallel telephone lines from an EMC perspective. Mr. Heirman suggested we re-establish such session exchanges (in both directions) with IEEE societies with common interests. Candidate societies include: Antennas and Propagation, Microwave Theory and Techniques, Magnetics, Broadcast Technology, Consumer Electronics, Communications, and Power Engineering. The plan would involve deciding on target societies, request interest and, if interest is there, establish ad hoc committees to further investigate. Mr. Heirman recommends we select a society for trial use in 2006. This would mean an entrée to their symposium along with a session in our symposium. The Board agreed this plan was worthwhile to explore.

Marketing

Mark Montrose reviewed areas of mutual interest for the EMC Society and the Product Safety Engineering Society. See Attachment 18. Mr. Montrose moved to draft an MOU for the EMCS to formally establish the relationship with the PSES. The motion was seconded and failed.

Bylaws Changes

Todd Hubing advised that the bylaws have been revised to reflect current practice in communicating with our membership. These changes are in compliance with a document issued by TAB that Society bylaws should be changed to reflect the new e-mail voting policy, for example. Mr. Hubing moved to approve the changes made to the bylaws. See Attachment 19. The motion was seconded and approved.

IEEE Board Update

Don Heirman is the current president of the Standards Association and as such, he is a member of the IEEE Board of Governors. He reported on the "big picture" or what the Institute is doing these days. He reviewed IEEE commonly used acronyms and the IEEE Mission Statement.

Net Based Meetings

Fred Heather gave a brief verbal report about net meetings.

12.0 President Elect Report

Andy Drozd discussed the EMCS Long Range Plan. He appointed the VPs as members of the long range planning committee. The current 2005 version of the LRP is broken down into seven different areas. This builds upon the previous LRP. Globalization remains a top priority, increasing membership and chapter development in regions outside 1-6, and addressing EMCS symposia

outside the US. There are five key initiatives within the Standards arena to pursue. Globalization of educational activities will be addressed. New technology directions will be evaluated.

The Board meeting schedule for 2006 was reviewed as below:

March 15-17, 2006 in Piscataway, NJ

May 16-18, 2006 in Hannover, Germany

August 13 and 16, 2006 Portland, OR

November 9-11, 2006 New Orleans, LA (proposed location)

Mr. Drozd noted that he has set up a private website for Board business.

13.0 EMC Society Five-Year Review

Regarding the five year Society review, President Williams showed the current field of interest statement. Membership retention and reasons to join were discussed. The IEEE Xplore program and its effect on individual Society membership were also discussed. President Williams, Andy Drozd, Don Heirman, Mark Montrose, Warren Kesselman and Janet O'Neil will travel to Chantilly, Virginia in June to represent the EMC Society at the IEEE Society Five-Year Review meetings.

14.0 ACTION ITEM REVIEW

President Williams reviewed the action items discussed during the meeting. The updated list is included in Attachment 20.

15.0 NEXT MEETING

Kimball Williams noted that the next Board meeting would be on August 7 in Chicago. The Standards Committee meetings will be held the day before. In closing, Fred Heather distributed a copy of the 2005 membership survey to be conducted by the IEEE. (See Attachment 21.) He asked that people review this and let him know if they have any comments on it.

There being no further business, the meeting adjourned at 5:00 pm.

Submitted by:

Janet O'Neil,
Secretary,
EMC Society Board of Directors