

APPROVED MINUTES

OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING

**The Thompson Park Visitors Center
Lincroft, New Jersey
March 7-8, 2013**

MEMBERS PRESENT (21 in person; 2 by telecom)

B. Archambeault

H. Benitez

C. Brench

C. Bunting

F. Canavero

R. Davis

A. Duffy

F. Heather

D. Heirman

D. Hoolihan

T. Hubing

E. Joffe

R. Koga

J. LaSalle

F. Maradei

M. Montrose (by telecom)

M. Oliver

J. O'Neil

G. Pettit

F. Sabath

R. Scully

D. Staggs (by telecom)

D. Sweeney

ABSENT (2)

A. Pinchuk

K. Phipps

GUESTS (4)

M. Demydenko, IEEE

F. Mingione, IEEE

S. Welch, IEEE

K. Williams (by telecom)

1.0 THE PRESIDENT'S OPENING REMARKS

President Pettit called the meeting to order at 9:00 am. A round of introductions was made. He reviewed Board meeting protocol, the IEEE code of ethics, and upcoming activities (see President's Introductory Remarks). He reminded Board members of the material on the Board FTP site and asked that everyone remember to review this prior to the Board meetings (<ftp://ewh.ieee.org>). Newly elected Board members for 2013 were recognized, including Henry Benitez, Flavio Canavero, Alistair Duffy, Elya Joffe, Dan Hoolihan, and Bob Scully.

2.0 CONSENT AGENDA MOTIONS

The agenda was presented for review. (See Draft Agenda.) The consent agenda motions (see Consent Agenda) included the following items:

- Approve March 2013 Meeting Agenda - Pettit
- Approve Secretary's Report – November 30-December 1, 2012 Meeting Minutes - O'Neil
- Approve EMC-S Certificate Awards – Archambeault

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

3.0 PRESIDENT'S REPORT

Mr. Pettit reviewed the activity of the Excom meeting held the previous evening. The meeting addressed administrative points including the agenda review, motions to be presented, etc. All items discussed are included on the meeting agenda.

Regarding the status of electronic motions made since the last Board meeting in November/December, Mr. Pettit confirmed there were none.

4.0 TREASURER'S REPORT

John LaSalle presented a report on EMC Society finances. (See Treasurer's Report.) Mr. LaSalle attended the IEEE financial workshop recently. He learned the 2012 financial preliminary results are very good with the preliminary 2012 IEEE net surplus being \$36M. Revenues are going up, but expenses are going up faster. Sequestration and other external factors in the financial environment are a concern. Sequestration has forced the cancellation of several conferences (those with high military attendance).

Regarding EMC Society finances, financials shown are for the period ending in December 2012. The FM13 report has not yet been released by IEEE. The Society ended the year with an actual year-to-date deficit of \$141,800. As previously reported, this deficit is a direct fall-out of the 2012 Symposium draft budget. The expenses provided by IEEE Conference Finance were somehow carried-over incorrectly. The variance associated with conferences was - \$147,100. This does not reflect the final All-Society Periodicals Package (ASPP) or Conference Periodicals (CP) distributions, as well as market fluctuation. These entries will be included in the FM13-2012 reports. Preliminary figures show CP distribution is \$97,400. This amounts to \$73,400 for the Transactions on EMC and \$17,300 for the EMC Magazine. As a result, the expected deficit should only be \$50,000 vs. \$141,800. As of March 1, there are no 2013 financials available. The Society is currently tracking towards an overall net-deficit budget of \$88,200. Chapters receiving Angel funds included the UKRI Chapter, the Shanghai Chapter and the Hong Kong Chapter. The report included a summary of the financial status of past and upcoming EMC symposiums as well as a review of the 2014 Society budget development and timeline.

Mr. LaSalle then presented several motions. (See 1st Quarter Treasurer's Motions).

Mr. LaSalle moved to approve the 2014 non-member subscription fee price list in accordance with the recommended price as determined by IEEE for 2014. The motion passed (a second was not needed since the motion came from the committee).

Mr. LaSalle moved to approve the 2014 Transactions on EMC page count not to exceed 1,500 pages, including indexing pages, and to allow the EMC-S FinCom to make appropriate adjustments in order to assure a balanced budget. This includes a total of six (6) regular issues and one special issue for 2014. The motion was seconded and approved.

Mr. LaSalle moved to approve the optional member Transactions on EMC (print copy) fee price list in accordance with recommended prices as determined by IEEE for 2014. The motion was seconded. Dan Hoolihan moved to table the motion until March 8. Henry Benitez seconded the motion. The motion to table passed.

Mr. LaSalle moved to approve a Membership fee of \$31 for the EMC Society in 2014 (i.e. no change from the previous year). The motion was seconded and approved.

Mr. LaSalle moved to approve the 2014 "Committee and Other" budgeted expenses not to exceed \$286,600 (no change from 2013; in accordance with EMC-27 1900 account line items), and to allow the EMC-S FinCom to make appropriate adjustments in order to assure a balanced budget. The motion was seconded and approved.

Mr. LaSalle moved to approve the use of the EMC Society logo for on shirts used for the TEAM EMC bicycle event to be held during the EMC 2013 symposium. The motion was seconded and approved.

Mr. LaSalle moved to approve EMC Society sponsorship of the TEAM EMC cycling fitness team for \$950 to facilitate the first bicycle event in Denver. The motion was seconded. After much discussion, Alistair Duffy called the question. The motion was seconded and approved.

5.0 MEMBER SERVICES REPORT

Bob Davis, Vice-President for Member Services, presented his report. (See VP Member Services Overview Report.)

AWARDS

Mike Oliver presented awards. (See Awards Report Update 1.) The Hall of Fame Award candidates and rationale for award were presented. Mr. Oliver moved to approve James Toler for the Hall of Fame Award. The motion was seconded and approved.

Mr. Oliver moved to approve Takeo Yoshino for the Hall of Fame Award. The motion was seconded and approved.

Deceased members to consider for recognition with the President's Memorial Award were presented. It was moved and was seconded to approve recognizing the late Carl Baum with the President's Memorial Award in 2013. It was moved, seconded and approved to recognize Hung-Chuan Chen as the student awardee of the President's Memorial Award.

The Laurence G. Cumming Award for Outstanding Service was discussed. Mr. Oliver moved to approve the Award's committee recommendation of Jan Luiken ter Haseborg. The motion was seconded and approved.

The Richard R. Stoddart Award for Outstanding Performance was discussed. Mr. Oliver moved to approve the nomination of Jim Drewniak to receive this award. The motion was seconded and approved.

On the Technical Achievement Award, several candidates were discussed. Wen-Yan Yin was removed as a candidate since he just received the IEEE Fellow Award. It was moved and approved to present this award to Marcello D'Amore.

The candidates for the Sustained Service Award were discussed. It was moved and approved to present this award to Harry Gaul.

Mike Oliver was approved to receive the Symposium Chair Award for his efforts on EMC 2012 in Pittsburgh.

All nominees presented for the Certificates of Acknowledgement were approved, including Jim Blaha, DC Pande, Marcello D'Amore, Antonio Maffucci and Filippo Marliani.

The Chicago EMC chapter members Louann Devine, Roy Leventhal, Jerry Meyerhoff, Bob Hofmann and Roger Swanberg, who created the new EMC class developed in partnership with the Illinois Institute of Technology's (IIT) professional development program will be recognized with a Certificate of Appreciation.

DISTINGUISHED LECTURER (DL) PROGRAM

Bruce Archambeault reported on the DL program. DLs for 2012 – 2013 include Christian Schuster, Sam Connor, Jong-Gwan Yook and Madhavan Swaminathan. DLs for 2013 – 2014 include Dennis Lewis, Jay Diepenbrock, Vignesh Rajamani and Vince Rodriguez. From the DL surveys received after a DL presentation, responses indicate 27% are EMC-S members and 66% are IEEE members. First time attendance at a chapter meeting is 45%. The technical content level of a DL presentation was deemed "appropriate" by 72% of the attendees.

MEMBERSHIP

Bob Davis advised that total IEEE membership is up 2.7% since this time last year. Total Society membership is up 0.6% since this time last year. EMC Society Membership is down 0.20% (7) to 4,089 (with Affiliates) since this time last year. EMC Society Student Membership is down 27.4% (20) to 53 since this time last year. A total of 38 members have been elevated to Senior grade in 2012.

There were 58 new IEEE/EMC Society memberships and five EMC Society only memberships resulting from the 2012 Symposium promotion. The list of new members was sent to EMC-S Region Membership Coordinators for follow-up and tracking. There were approximately 27 EMC Society only membership applications completed at INCEMIC 2012 (EMC-S co-sponsored conference in Bangalore, India). Ten new memberships have been processed to date and Mr. Davis is presently waiting for the remainder to obtain their e-Memberships, before their EMC memberships can be processed.

Mr. Davis will have an EMC-S Membership Booth present at all regional and Technical Co-Sponsored Symposia – globally. He and his committee will continue working on a membership tracking and retention plan.

REGION 8 MEMBERSHIP REPORT

Frank Sabath provided a detailed report for Region 8. As of February 2013 there are 1,512 members in Region 8, of which 1,220 are considered active members. The number of members that have not renewed their IEEE membership (in arrears) is 110. The number of inactive members is 174. Four members have resigned. The distribution of active members was shown in his report. He has arranged for the EMC-S membership booth to be set up at the SPI conference in Paris, France over May 12-14 and at EMC Europe in Bruges over September 2-6.

REGION 9 MEMBERSHIP REPORT

Gustavo Fano reported an “Anechoic Chambers” meeting was held on February 7, 2013 at the Faculty of Engineering, University of Buenos Aires. Approximately 20 people attended. Vince Rodriguez presented as an EMC Society DL. There will be an EMC, AP and PSE Conference, in Buenos Aires, Argentina, in early September 2013. This will be held at the Instituto Nacional de Tecnología Industrial (INTI). Sponsors include IEEE Region 9, IEEE Argentina, IEEE EMC-S, IEEE AP-S and IEEE PSE-S, INTI, and UBA (Buenos Aires University). Some 170 attendees are estimated to attend. Professor Fano has no news in regards to the status of the new EMC Chapter in Mexico. Section Coordinator (Henry Benitez) is following this subject; his support is essential to move this effort forward.

REGION 10 MEMBERSHIP REPORT

Bob Davis reported on Region 10 activity from membership coordinators Takeo Yoshino, An Hao, Erping Li, Dr. Subbarao and Parvez Javeed. Professor Koga has taken over for Takeo as Region 10 Membership Coordinator, except for the countries of China, Singapore and India.

In China, Zhejiang Providence will be forming a joint EMC/MTT chapter. The chapter will be called “Hong Zhou Joint Chapter”. The Beijing International Exhibition on EMC 2013 will be held on June 24-26, 2013. This is one of the most important EMC activities in China, regarding Safety and EMC. An Hao would like to set up an EMC Society Membership Booth, or as a minimum, display EMC Society membership applications and brochures. An Hao would also like to see some form of cooperative agreement between the IEEE EMC Society and China Exhibition.

In India, the 12th International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2012) was held on 4 – 7 December 2012 in Bangalore. Several Board members attended and presented. The Joint Chennai – Bangalore EMC Chapter formation process appears stalled. The Madras Section will process a petition for a new standalone Chennai EMC Chapter if joint chapter formation continues to be stalled.

In Japan, **the** next Japanese EMC International Symposium “EMC’14/Tokyo” will be held in western Tokyo on May 13 – 16, 2014, under the sponsorship of EMCJ of ICIEC. The Chairman of this Symposium is Prof. Masao Taki of Tokyo Metropolitan University. The EMC Society should plan on having a membership booth at this symposium.

The next major EMC event in Asia is APEMC 2013. This will be held in Melbourne, Australia on May 20-23. An EMC Society Membership Booth will be staffed during the conference. There will be a regional Chapter Chair Training Session, with Sergio Pignari leading the training.

CHAPTERS

Sergio Pignari, Chapter Coordinator, reported that there are currently 79 chapters globally. A new chapter is Algeria (Abdelber Bendaoud); its petition was submitted in February 2013. New chapters under formation include Cedar Rapids, Iowa, US (Dale Svetanoff), Bangalore-Chennai, India (Parvez Javeed) and Xi’an, China (Yingsan Geng). These petitions are under preparation and will be submitted soon.

The Angel list has been updated to ensure BoD members are assigned Angel positions. The updated list is included in the report.

On the Chapter Website Template, the Rock River Valley and Spain chapters have requested the installation kit. The Germany, Italy, Serbia and Montenegro, Singapore, and West Michigan chapters have finalized website installation.

FELLOWS NOMINATION AND SUPPORT COMMITTEE

Jim Knighten reports Fellow nomination support and advice has been supplied to three potential IEEE Fellow nominees. Two of these nominations will be submitted through the EMC-S. The third nominee, after some reflection on his part, will be submitted through the Antenna & Propagation Society.

GOLD PROGRAM

Caroline Chan reported that an "Ethics in EMC" session will be held on Wednesday during the EMC 2013 Symposium. The speaker is Elya Joffe. The cost is \$10/person (balanced subsidized by the GOLD budget). An ice cream social will be held at the symposium following the Welcome Reception. There will be a GOLD EMC presentation/introduction and ice breakers. A GOLD EMC table will be placed by the registration area at EMC 2013. There has been no further discussion on a Best GOLD EMC Paper Award at the EMC 2014 or 2015 Symposium. This needs to be addressed.

SISTER SOCIETIES

Bob Davis advised Vignesh Rajamani has agreed to take on the responsibilities of Sister Society Coordinator. A signed copy of the MOU with the Society of EMC Engineers India (SEMEI) has been archived with IEEE and is now listed under the IEEE Sister Society Agreements Website. Contacts have been established with IEEE to help out with the Sister Society agreements. IEEE will review future MOUs before they get signed. Mr. Rajamani has reestablished contacts with the EMC Society of Australia (EMCSA) and is proceeding with talks on signing a Sister Society agreement. Current plans are to sign the agreement at the APEMC 2013 conference in Melbourne. Presidents from both Societies will be in attendance at the event, as will Mr. Rajamani to further this effort.

PHOTOGRAPHY

Jerry Ramie has taken over for Ken Wyatt as the lead photographer for the EMC Society. Mr. Ramie will be getting help from Ken Wyatt, Tom Fagan and Richard Georgerian. No progress has been made on the on-line photo album. Mr. Ramie has raised issues that need to be addressed. He plans to have a photographer training session in Denver for the EMC 2013 Symposium photographers.

SURVEY

Fred Heather and Bob Davis are working on this effort. The winner of the 2012 Membership Survey Raffle was Duncan Tyrrel of Schlegel Electronic Materials. He received a free registration to the 2013 IEEE EMC Symposium in Denver. They will use an on-line Membership Survey again in 2013. The survey will kick-off with the opening of the 2013 Symposium. The same incentive will be used this year as last year to encourage people to complete the survey – this is one free early bird registration to the 2014 EMC Symposium

6.0 IEEE CONTINUING EDUCATION

Steve Welch, Director of Continuing Education (CE) for the IEEE, and Michelle Demydenko of the CE department gave a report. (See CE-EMC Meeting.) They presented IEEE Continuing Education products and services that can enhance the EMC Symposium, including:

- IEEE English for Engineering - Help attendees enhance their Technical English skills
- IEEE eLearning Library - Publish workshops, or present ours to your attendees
- IEEE iTunes U - Reach 200 million iTunes users
- IEEE Online Education Portal - Create an education site to support your conference
- IEEE Technical Communications Training Program - Add quality "soft skills" workshops to your conference

- IEEE Certificates Program - Award official IEEE Certificates to your attendees

Each product above was reviewed in detail. **It was emphasized that these are a free product and service to all IEEE Organization Units (OUs)** in order to increase engagement and relevance to IEEE OUs. This allows IEEE OUs to enhance the value for their learning events and attract more people. It was suggested that the Education and Student Activity Committee (ESAC) should have an iTunes U account.

7.0 CONFERENCE SERVICES

Bruce Archambeault presented his report. (See VP Conferences Report.)

IEEE PRESENTATION ON TECHNICAL CO-SPONSORSHIP OF CONFERENCES

Francesca Mingione from IEEE Conference Services talked about the technical co-sponsorship process and MOU. She asked the Board to confirm their needs for technical co-sponsorship. They are revamping the MOU completely to remove the resolution of disputes, etc. to make it a less painful document. In fact, they want to have the MOU be a checklist where people can tick off boxes and sign at the bottom that they accept the terms and conditions of the MOU. Bruce Archambeault noted that the EMC-S has a requirement that technically co-sponsored conferences need to provide free booth space at the conference for the EMC-S membership booth in addition to two free full registrations. Ms. Mingione said this would be no problem to modify the MOU to accommodate EMC-S special requirements. She noted IEEE can only partner with non-profit entities. The primary reason for the MOU is to identify what group/entity would be responsible should the conference result in a financial loss.

FUTURE YEAR SYMPOSIUMS

Tom Braxton reported on future year Symposium activity. Details for the EMC 2012 – 2018 are included in the report. For EMC 2013, bus transportation between the Convention Center and Sheraton (conference host hotel) has been secured. The Companion Program will continue under the name of Companion Program. The Hospitality Suite will be called the Companion Suite. EMC 2013 policy will be that the only persons allowed to eat breakfast in the Companion Suite are those that have paid either the \$85.00 companion fee or paid for participation in the Youth Program. Personal Scheduler software will be used to allow attendees to create personal schedules on-line and view them and papers on their handheld devices. On the technical program, 160 regular papers were submitted with reviews underway by TAC. On the Workshop/Tutorials, 21 half day sessions were proposed (including three full day proposals), with 19 half day proposals accepted. On Special Sessions, nine proposals were received with six proposals accepted. For EMC 2014 (Raleigh), Conference Direct has been chosen to provide conference management service. The Embedded Conference for Signal Integrity & Power Integrity (SIPI2014) is planned to be co-located with the EMC symposium. This is effectively a dedicated track for SI/PI with a 'name', but all attendees will have full access to all papers, etc. The committee is encouraging a Special Issue of Transactions proposed for best papers from the symposium. The EMC 2014 call for papers and advertisement are being created for promotion at EMC 2013 in Denver. On EMC 2015 (Dresden), this is a joint IEEE International Symposium on EMC with EMC Europe. Sponsors include the IEEE EMC Society, ISC EMC Europe, and the VDE Association for Electrical, Electronic & Information Technologies. The symposium MOU has been signed by the IEEE EMC Society, VDE and EMC Europe organizations. For EMC 2015 (Santa Clara), the major committee chairs have been determined. A proposal to name the symposium IEEE Symposium on EMC and Signal Integrity is being considered. For EMC 2016 (Ottawa), the contracts for the Westin hotel, two overflow hotels, and the convention center have been finalized. For EMC 2017 (Washington, DC), the contract has been signed with the Gaylord National Resort and Convention Center in National Harbor, Maryland. For EMC 2018, possible venues include San Diego or New Orleans.

Discussion was held about funding of Founder and Past President travel to the annual Symposia. Currently, the History committee sponsors travel (up to \$1500 each) for Founders and Past Presidents (not currently on BoD).

This funding comes directly from the Symposium committee budget. In order to be consistent, and not 'tax' the symposium committee for this travel, this budget item should be moved to the History Committee budget (under VP Member Services). **Dr. Archambeault moved to transfer funding of Founder and Past President travel to Symposia to the History Committee to under the Member Services budget. The motion was approved (not seconded since the motion came from the committee.)**

TECHNICAL CO-SPONSORSHIP

Frank Sabath advised he received reports from the EMC-S technically co-sponsored conferences EMC Europe 2012 held over 17 - 21 September 2012 in Rome, Italy; the 6th Asia-Pacific Conference on Environmental Electromagnetics held over 9 - 12 November 2012, in Shanghai, China; and INCEMIC 2012, held over 4 - 7 December 2012, in Bangalore, India. Reports are due from these conferences.

There was a problem with the EUROEM 2012 conference in that they did not follow advice and instructions. As a result they faced problems including the book of abstracts in IEEE Xplore; a book of abstracts was published via SUMMA Foundation. This is a violation of the MOU (Item 9) with the EMC Society and may result in a fine from IEEE.

He has received a request for technical co-sponsorship for the Asia Pacific Conference on Lightning (APL2013) in June 2013. Dr. Sabath moved to approve the technical co-sponsorship of Asia Pacific Conference on Lightning (APL 2013). The motion was seconded and failed.

Ongoing problems with technically co-sponsored conferences include having the APEMC 2013 MoU signed, but not approved by IEEE because it is not their new standard MoU. Follow up and feedback from attendees has been nearly non-existent from conferences the EMC Society technically co-sponsors. The Society should either stop all technical co-sponsor agreements, or develop a consistent and convenient way for attendees to give feed back to both the Board of Directors and Technical Advisory Committee.

EXHIBITOR LIAISON

Martha Hallman reported the exhibitor survey for EMC 2013 will be done electronically again in 2013. The recently approved/published tote bag stuffing policy was distributed to all exhibitors in advance of the symposium.

REGIONAL CONFERENCE COORDINATOR

Janet O'Neil advised several tabletop shows are planned for 2013, including March 19 – in Milwaukee, Wisconsin with speaker Kenneth Wyatt of Wyatt Technical Services LLC. Milwaukee Chapter Chair Jim Blaha of GE Healthcare will organize the event. For April/May, there will be a tabletop show coordinated with the Los Angeles and San Diego chapter chairs at the Hilton San Diego Bayfront hotel. On May 7 the Chicago, Illinois chapter will have a tabletop show with multiple speakers presenting on various topics. Frank Krozel of Electronic Instruments Associates will organize the event. Shows will also be held on May 9 in Detroit, Michigan with speaker Jeremy Campbell of GM Advanced Technology Center on the topic "Designing Automotive Components to Meet EMC Requirements", and in October in Santa Clara Valley, California - Caroline Chan of Lockheed will provide details when available.

The VP Conference Services report concluded with a summary of international symposium attendance by region and number of papers submitted for the past few symposiums.

8.0 COMMUNICATION SERVICES

Flavio Canavero presented the Communications report. (See Report of Communication Services.) A plan to hire IEEE to create an HTML email blast to all members with the Table of Contents (TOC) for the Magazine and a separate blast for the Transactions on EMC TOC is under review. Janet O'Neil and Farhad Rachidi will attend the IEEE Panel of Editors meeting over April 19-20 in Dallas, Texas.

TRANSACTIONS

Professor Farhad Rachidi, the Editor-in-Chief of the *IEEE Transactions on EMC* report shows new paper submissions increased by approximately 15% in 2012 from 2011. The back log after the February 2013 issue amounts to 69 papers, which is sufficient to fill three printed issues (out of six for 2013). The planned special issues/sections for 2013 include "The Impact of High Altitude Electromagnetic Pulse (HEMP) on the Civil Infrastructures" (guest editor is Bill Radasky) and a special issue honouring Clayton Paul (guest editor is Chris Holloway). In 2014, Alistair Duffy will be a guest editor on "EMC on Model Validation". Flavio Canavero noted the Impact Factor was 1.178 for 2011 (this is a nice increase after an alarming dip in 2010). He proposes a new Associate Editor, Professor Alexandre Piantini with the University of Sao Paolo, Brazil.

A discussion was held on the cost to print the Transactions on EMC for print copy subscriptions. It was agreed to move this discussion to "New Business" on the March 8 agenda (following day).

Flavio Canavero moved to approve a special issue of the IEEE Transactions on EMC (Feb 2015) for EMC 2014 symposium papers. Don Heirman moved to table the motion. Colin Brench seconded the motion. The motion to table was approved. It will be brought up for vote at the March 8 meeting.

MAGAZINE

Flavio Canavero noted a need to plan ahead for the Practical Papers section of the magazine and revitalize the EMC Abstracts (EMCABS) column. The revenues generated by the Magazine need to be clarified.

Magazine Editor Janet O'Neil reported the 4th Quarter 2012 issue was 136 pages. A total of 4,924 copies were printed and mailed at a cost of \$22,694. A total of 11.25 ad pages were sold to 13 companies/advertisers generating \$20,017.30 in billable ad revenue, of which (after sales commissions and management fees) the EMC Society received \$11,209.69. The issue included the symposium annual review so there were the traditional articles plus new ones involving symposium activity, such as the Education and Student Activities Committee, the Experiments and Demonstrations, Annual Awards, Past President's Recognition, iNARTE Update, GOLD EMC, EMC Aviators Club, Youth Program, as well as the Global EMC and SI University. EMC Europe 2012 provided a report for this issue with several photos. The 1st Quarter 2013 Magazine issue is undergoing final revisions and will be sent to the printer next week.

HISTORY

Dan Hoolihan, Chair of the EMC Society's History Committee, reported is working with JoAnne Yates, a professor at MIT's Sloan School of Management and a historian of business and technology. She is investigating the history of the processes and institutions of voluntary consensus standards setting. She is interested in the second half of the twentieth century. Mr. Hoolihan has sent her duplicates of some of the records from Leonard Thomas' collection for her research.

The History Committee continues to write several articles on EMC Society historical activities for the EMC-S Magazine. Work continues on digitizing older copies of the EMC-S Newsletter and other EMC Society records. The Society's high-speed scanner is being used to scan copies of the Society's Newsletter from the 1960s. The copies

are scanned in the PDF Archival (PDF/A) format and are key word searchable. Some of these copies have been uploaded to the Global History Network (GHN) at the IEEE History Center.

WEB

Todd Hubing reported changes to the website have been made to address problems with the formatting when viewed in a small window using Internet Explorer. Options include using fixed widths for all screens or by turning the whole site over to a web-site management company. He has made numerous updates to various pages.

9.0 TECHNICAL SERVICES

Colin Brench, Vice President for Technical Services, presented his report. (See VP Technical Services Report.)

EDUCATION AND STUDENT ACTIVITIES (ESAC)

Mr. Scully noted the ESAC leadership includes Mark Steffka as Chair, Bogdan Adamczyk as Vice Chair, Chuck Bunting as Student Paper Review Committee Chair, and Darrel Beetner as Secretary and University Grant Committee Chair. ESAC is now holding monthly conference calls. Participants are the officers and major subcommittee chairs. These meetings are active and enthusiastic.

TECHNICAL ADVISORY COMMITTEE (TAC)

TAC Chair Bruce Archambeault advised the committee held a telecom on 15 March 2013. An in person meeting is scheduled for 17 May 2012 to arrange the paper/session schedule. This will be held at MST, in Rolla, MO. There will also be in person TAC meetings at the EMC 2013 symposium in August (Monday and Friday) as well as an October 2013 telecom. Topics of meeting discussions will include Technical Committee (TC) of the year designation, probation for non performing TCs, creating TCs from Special Committees and addressing TC feedback issues. The report includes a breakdown of the number of papers reviewed by the different TCs for EMC 2013. The top three TCs based on the number of paper reviewed included TC-2 on EMC Measurements (41), TC-9 on Computational EM (31) and TC-4 on EMI Control (23).

The TC-1 (EMC Management) tutorial on Leadership Skills will be held as a half day on Monday at EMC 2013. The keynote speaker from the Technology Management Council, Sam Keene, is a first time contributor to the tutorials on EMC Management. TC-1 has established a regular teleconference schedule to ensure that the momentum built up during the Symposium week is maintained at some level through the balance of the year.

TECHNOLOGY MANAGEMENT COUNCIL (TMC)

The TMC Board of Governors meeting was held in late February in Addison, Texas, and supported by Technical Services. The meeting was quite dynamic and well attended, with eight of 14 member Societies in attendance, nine of 10 Board of Governor members in attendance, and Jayne Cerone from IEEE TAB. A big issue for the TMC at present is the lack of member Society participation and commitment. A spirited discussion ensued on this topic. It was ultimately decided by consensus that a detailed MOU should be developed to go out to the member Societies establishing the expectations for both the member Society and the TMC. Jayne Cerone suggested an ad hoc committee be formed of no more than three people to tackle the MOU effort; Bob Scully will chair this committee. The report includes the specific actions for the committee and the timeline for activity. Another large issue for the TMC is funding. The IEEE is currently "taxing" the TMC at a substantial rate as compared to other similar councils.

10.0 PAST PRESIDENT'S REPORT

Francesca gave her immediate past president report on Thursday at 4:30 pm since Flavio Canavero and Colin Brench ended their reports earlier than the time allotted. (See Past President report.) She reviewed the Nominations and Appointments (N&A) Committee Report. This shows graphs on the distribution of names on the past three annual ballots between new and "experienced" (returning) Board members. The 2012 ballot was very unusual in that there were 14 names on the ballot (often it's nine names) of which several were "experienced" Board members. Consequently the experienced members were re-elected and only one new candidate was elected. Right now, the bylaws only state that a member cannot serve six consecutive terms. Should we extend the time off required after two consecutive terms on the Board? Right now we require one year off after two consecutive terms. Should this be revised to be two years off, or three years off? The Board debated these requirements, with no clear resolution.

Regarding the Constitution and Bylaws, all motions addressed in 2012 have completed the approval process. A new version of the Constitution and Bylaws (March 2013) is now available on the website.

The meeting was recessed at 5:00 pm until the following morning, March 8 at 9:00 am.

11.0 STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. (See VP Standards report.) Leadership of the Standards Development and Education Committee (SDECom) includes Alistair Duffy as Chair, Kermit Phipps as Vice-chairman and Ed Hare as Secretary. SDECom met in person before the Board meeting. As a result, several standards were discussed; the updated status is included in the VP Standards report. SDECom is looking for an Education Coordinator; this may be an officer position and the coordinator will work closely with ESAC. ESAC has entered SDECom as a subcommittee on their web site; SDECom will take similar action. The report includes the areas of activity for SDECom, including improving management with standards working groups (WGs) to increase the probability of timely publishing and forming a study group to look at sub-10-cm maximum dimension enclosure shielding effectiveness, identifying "Angels" for all active standards under any level of development and planning a working group training session for the EMC 2013 Symposium. Bob Scully and Henry Benitez were voted in as SDECom members. Andy Drozd will be the only IEEE representative to ANSI ASC C63®.

Regarding the Standards Advisory and Coordination Committee (SACCom), leadership includes John Norgard as Chairman, Andy Marvin as Vice-chairman and Don Heirman as Secretary. Reports were submitted or an indication of no change from the November 2012 reports were received from the liaison committees (listed in the report). Membership actions were reviewed with 13 SACCom members representing 19 non-EMCS standards organizations. For more info – see <http://www.emcs.org/standards/sacom/sac-members.html>. SACCom would like the IEEE standards product called VuSpec to be available at a 30 percent IEEE member discount; President Pettit and Mr. Heirman will discuss this proposal with the IEEE Standards Association sales staff. They would also like to secure the abstract and table of contents of standards reported by SACCom representatives and have asked the members for assistance. The committee continues to work on long range/strategic planning.

12.0 NEW BUSINESS

The following topics were discussed under "New Business":

Special Issue of the IEEE Transactions on EMC (Feb 2015) featuring papers presented at the 2014 IEEE International Symposium on EMC: In order to encourage authors to submit their best work to the IEEE EMC Symposium, the 2014 Symposium Committee would like to encourage authors to submit their conference papers for a special issue of the IEEE Transactions on EMC. The main points and conclusions of the Transactions paper could be the same as the conference paper, but the Transactions paper would have to include significant new content and would be subject to the normal rigorous review process. A motion to un-table the motion from the March 7 meeting was seconded and approved. Dr. Archambeault moved to approve a Special Issue of the IEEE Transactions on EMC

(February 2015) featuring papers presented at the 2014 IEEE International Symposium on EMC. The motion was seconded. The original motion was amended to add “based on”. It was moved to call the question. This motion was seconded and approved. The motion as amended was seconded and approved. **The final approved motion reads: Approve a Special Issue of the IEEE Transactions on EMC (February 2015) featuring papers based on those presented at the 2014 IEEE International Symposium on EMC.**

Print Cost for the 2014 Transactions on EMC: Regarding the motion to increase the cost to receive the print copy, **Flavio Canavero moved to increase the annual member subscription price for the print copy of the Transactions from \$20 per year to \$50 per year in 2014. Dan Hoolihan seconded the motion. The motion was approved. Don Sweeney voted against the motion.**

EMC’14 Tokyo: Don Heirman noted the symposium in Tokyo will take place next year. This symposium is held every five years. The Board met at the holding of this first symposium in 1984. It was the first Board meeting held outside the US. Mr. Heirman suggested the Board consider meeting in Tokyo during this symposium. Dan Hoolihan noted that the last time the Board met in Tokyo was in 1999. At both meetings, a social event was held to foster the relationships and exchange of information. Bob Scully asked that Don Heirman and Dan Hoolihan assist him in planning and evaluating the potential to hold a Board meeting in Tokyo during their EMC’14 conference.

13.0 FINANCIAL IMPACT OF APPROVED MOTIONS

Francesca Maradei advised the financial impact of the motions made during the meeting totals \$33,250 as below:

- 1) **Treasurer:** 2014 Transactions on EMC page count not to exceed 1,500 pages, including indexing pages, and to allow the EMC-S FinCom to make appropriate adjustments in order to assure a balanced budget. This includes a total of six (6) regular issues and one special issue for 2014. FINANCIAL IMPACT: \$31,600 (Using the IEEE TAB Finance budgeting as a basis)
- 2) **Treasurer:** EMC Society sponsorship of the TEAM EMC cycling fitness team for \$950 to facilitate the first bicycle event in Denver. FINANCIAL IMPACT: \$950
- 3) **Communications:** Approve a Special Issue of the IEEE Transactions on EMC (February 2015) featuring papers based on those presented at the 2014 IEEE International Symposium on EMC. FINANCIAL IMPACT: \$700

14.0 ACTION ITEM REVIEW

Secretary O’Neil reviewed the action items discussed during the meeting. An updated, consolidated list of action items will be sent to the Board following the meeting.

15.0 CLOSING REMARKS

President Pettit thanked the Board for attending and contributing to the meeting. He thanked the New Jersey Parks System for their efforts with the Thompson Park meeting facility.

16.0 ADJOURNMENT

The meeting adjourned at 10:45 am.

Submitted by:



Janet O’Neil - Secretary, EMC Society Board of Directors