

**APPROVED MINUTES**

**OF THE IEEE EMC SOCIETY BOARD OF DIRECTORS MEETING**

**IEEE Headquarters  
Piscataway, NJ  
November 16, 2011**

**MEMBERS PRESENT (23)**

B. Archambeault  
H. Benitez  
C. Bunting  
L. Cohen  
R. Davis  
A. Duffy  
R. Ford  
D. Heirman  
D. Hoolihan  
T. Hubing  
E. Joffe  
J. LaSalle  
F. Maradei  
J. Norgard  
M. Oliver  
J. O'Neil  
G. Pettit  
K. Phipps  
R. Scully  
D. Sweeney  
K. Williams  
P. Wilson  
T. Yoshino

**ABSENT (3)**

A. Marvin  
R. Koga  
V. Roje

**GUESTS (4)**

C. Brench  
F. Heather  
W. Kesselman  
M. Montrose

## 1.0 THE PRESIDENT'S OPENING REMARKS

President Maradei called the meeting to order at 9:00 am. A round of introductions was made. She reviewed Board meeting protocol, the IEEE code of ethics, and upcoming activities (see President's Introductory Remarks). She 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>). Ms. Maradei welcomed the new Board members present and thanked them for their interest in the Board activities.

## 2.0 CONSENT AGENDA MOTIONS

The agenda was presented for review. (See Final Agenda.) The consent agenda (see Consent Agenda) included approval of the November 16, 2011 meeting agenda and the August 14 and 18, 2011 Board of Directors meeting minutes. **Ghery Pettit moved to approve the consent agenda as presented. The motion was seconded and approved.**

## 3.0 PRESIDENT'S REPORT

Francesca Maradei 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 Global Outreach, Ms. Maradei presented a report on recent activity since the last Board meeting in August. (See President's Report.) She attended the EMC Europe 2011 conference in York and noted some 200 good quality papers were presented. She asked Elya Joffe to speak about the recent ComCas conference in Tel Aviv he recently attended. Mr. Joffe noted that there were over 300 papers presented and the exhibition was comparable in size to the EMC-S annual symposium. It was a very good conference. He recommended that the EMC-S technically co-sponsor this conference in the future.

Ghery Pettit spoke about the EMC conference in Perth, Australia. (See EMC Australia 2011 Report.) He presented slides showing photos of the conference. Some 25 people attended. The quality of papers was very good.

Ms. Maradei noted that the EMC-S also had a presence at the **SoftCom/EEEMC 2011 conference** in Split-Dubrovnik (Croatia) over September 15-17 and at **EMC COMPO** in Dubrovnik (Croatia) over November 6-9.

**Regarding the status of electronic motions made since the last Board meeting in August, the Board approved the minutes of the March 2011 Board meeting.**

## 4.0 IEEE PRESENTATION

Jayne Cerone of IEEE gave a presentation on the organization. (See Overview of AdComs 2011.) She started with an overview of the organization's history and structure. IEEE membership is at an all time high at 407,000 members worldwide. Of these members, some 50% are NOT members of any Society. She also talked about new IEEE programs and future programs under consideration. Several Vice-Presidents had questions related to their respective responsibilities that Jayne either answered or confirmed she would put that person in touch with the IEEE staff member who could answer those questions.

## 5.0 TREASURER'S REPORT

John LaSalle presented a report on EMC Society finances. (See Treasurer's Report.) The latest available 2011 IEEE financials are for the period ending in September, 2011. The 2011 third quarter forecast and September Summary Statement files are included in his report. As can be seen in the September summary statement, operations are considered to be "normal" with an actual year-to-date surplus of \$135,300. The 2011 budget is a net positive \$21,200,

while the third quarter forecast is a net positive \$38,000, indicating an overall positive position of \$17,000. Included in this forecast are the latest 2011 conference finances, a budget correction for web maintenance cost of \$9,100 and \$7,100 in editorial HQ rebates from periodicals. As of the end of September, Committee/Other expenditures (cost center 1900) are at a deficit of \$94,500, operating toward an approved budget deficit of \$231,400.

**Mr. LaSalle moved to approve Warren Kesselman and Janet O'Neil as Temporary Employees, and to approve Shannon Archambeault and Kye Yak See as Independent Contractors for continued support of the Society.** (See 2011-11-16 Motion Purchase Orders.) **The motion was seconded and approved.**

In reference to Jayne Cerone's presentation, **Ghery Pettit moved that if requested by IEEE, he will write a letter providing the EMC-S Board of Directors endorsement of the IEEE proposal to purchase the .ieee address.** There is no financial implication to the motion. **The motion was seconded and approved.** Don Sweeney abstained from voting and wished to be recorded as such.

## **6.0 MEMBER SERVICES REPORT**

Bob Davis, Vice-President for Member Services, presented his report. (See VP Member Services Report.) He began his report with several motions. The first involved creating a new student liaison position. The current number of EMC Society student members is 50, out of approximately 4,000 Society members. Creating this position will focus attention on increasing the number of EMC student members. **Mr. Davis moved to create a new committee under the VP for Member Services whose focus is on increasing student membership in the IEEE EMC Society. The motion was seconded and approved.**

In reviewing the report of Sandra Hernandez (see EMC Student Liaison Report), **Mr. Davis then moved to appoint Sandra Hernandez as chair for the Student Liaison Committee. The motion was seconded and approved.**

Related to the Distinguished Lecturers (DL) committee, **Mr. Davis moved to increase DL travel expense limit to \$1,500 per engagement (from \$1,000) within region and \$2,000 per engagement (from \$1,250) for external region travel. The VP for Member Services may approve exceptions to maximum of \$2,500 per engagement (from \$1,500). The motion was seconded and approved.**

## **AWARDS**

The awards committee consists of Bruce Archambeault, Colin Brench and Mike Oliver, Co-Chairmen, with Christian Schuster, Tzong-Lin Wu, and Jun Fan. TAB approved the new EMC Society award "*IEEE EMC-S Award for Excellence in Continuing EMC Engineering Education.*" Mike Oliver will coordinate with Todd Hubing to incorporate the new award on the web site and with Janet O'Neil as an announcement in the Newsletter. A policy regarding potential conflict of interest for the awards committee and endorsement of candidates will be created. Caroline Chan and Mike Oliver are working on a new award entitled "EMC-S GOLD Award for Best Paper." This will be presented to the Board once details are finalized.

## **MEMBERSHIP**

Bob Davis advised that total IEEE membership is up 2.4% since this time last year. Total Society Membership is up 1.2% since this time last year. EMC Society Membership is down 2.4% (95) to 3901 (with Affiliates) since this time last year. EMC Society Student Membership is down 7.4% (4) to 50 since this time last year. Seven members have been elevated to Senior grade since March 2011. He is working on developing a strategy for promoting/marketing EMC Membership (including e-Memberships). The EMC-S Membership Booths have been at four Regional and Technical Co-Sponsored Symposia with the fifth conference planned for December in Calcutta, India.

## DISTINGUISHED LECTURER (DL) PROGRAM

Bruce Archambeault reported on the DL program. The DLs for 2010-2011 include Dr. Giulio Antonini, Mark Steffka, and Dr. Omar Ramahi. The DLs for 2011-2012 include Jerry Ramie, Jerry Meyerhoff, Professor Wen-Yan Yin, and Chuck Bunting. The report includes financial data on the program as well as the number of presentations/trips per DL. A list of the current topics presented as part of the video DL library is included in his report. Mr. Archambeault noted that the next Newsletter will introduce Christian Schuster, Sam Connor, Madhavan Swaminathan, and Jong-Gwan Yook as the new Distinguished Lecturers for the term 2012-2013. Their respective presentation topics will also be published.

## RESPECTED SPEAKERS BUREAU (RSB)

Bruce Archambeault's report includes the list of current speakers in this program.

## REGION 8 MEMBERSHIP REPORT

Frank Sabath provided a detailed report for Region 8. Currently there are 1,223 active members in Region 8. The number of members that have not renewed their IEEE membership (in arrears) is 111. The number of inactive members is 161. The distribution of active members is shown in his report.

## REGION 9 MEMBERSHIP REPORT

Gustavo Fano reported that a new Director of Region 9 has been elected for 2012: Msc. Ing. Norberto Lerenegui from the Argentina Section. Norberto is working at the Instituto Tecnológico Buenos Aires, and he was a past president of the Argentina Section several years ago. Currently in Region 9, 107 members are active in 23 sections. There are three Chapters or Joint Chapters in Region 9.

In the three Chapters, there are a total of 52 members. A LinkedIn group of *Grupo de Compatibilidad Electromagnética de America del Sur* [http://www.linkedin.com/groups/Grupo-Compatibilidad-Electromagnetica-America-Sur-4058123?goback=.anp\\_4058123\\_1319669622438\\_1](http://www.linkedin.com/groups/Grupo-Compatibilidad-Electromagnetica-America-Sur-4058123?goback=.anp_4058123_1319669622438_1) "EMC of South America" has been opened by W. G. Fano. This LinkedIn group is devoted to the regional activities of EMC topics, such as jobs, meetings, PhDs, news, etc. and is open for the discussion. Following the last analysis and update about the EMC-S members in the Mexico Section, there are 16 EMC members, thus the EMC Chapter in Mexico Section could now be formed. Several emails have been exchanged in order to start the EMC Chapter petition in Mexico with IEEE members. In other Region 9 news, Professor Juan Carlos Fernandez of the Faculty of Engineering of the University of Buenos Aires is interested in applying for an EMC Society University Grant to start an EMC Course for 2012.

## REGION 10 MEMBERSHIP REPORT

Takeo Yoshino reported on Region 10 activity. He noted that the Asia-Pacific Symposium on Electromagnetic Compatibility and Technical Exhibition on EMC, RF/Microwave Measurement and Instrumentation will be held in Singapore on May 21 – 24, 2012. The next Japanese EMC International Symposium, "EMC 14/Tokyo", will be held in western Tokyo on May 20 – 23, 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 these symposiums.

## CHAPTERS

Sergio Pignari, Chapter Coordinator, reported that there are currently 76 chapters globally. The newest EMC Chapter is located in Region 5. The IEEE Pikes Peak Section EMC/MTT/AP Joint Societies Chapter was approved on 30 September 2011. The Chapter Chair is Kuifeng Hu and the Chapter Angel is John Norgard. A new Chapter for Southwest Michigan was recently approved as well. There is also new activity in Region 10. The cities of Bangalore and Chennai, India are interested in forming a new Chapter. Outreach activity included presentations at the Shanghai and Hong Kong Chapters in

September. IEEE MGA has recently notified Mr. Pignari that no EMC-S Chapters are currently at risk of dissolution. ATG Productions LLC ([www.atgproductions.com](http://www.atgproductions.com)) has recently started programming the Chapter website template that was selected among various proposed design ideas. The template is expected to be finalized and available for delivery to the Chapter Chairs by the end of the current year.

## NOMINATIONS

Elya Joffe reported that a total of 759 ballots out of 3,811 (19.9%) were returned to IEEE for election of the BoD Members for the term January 1, 2012 to December 31, 2014. The following candidates were elected:

- Colin E. Brench (re-elected, after year off the BoD)
- Fred Heather (re-elected)
- Mark Montrose (re-elected, after year off the BoD)
- Amy Pinchuk (new member, Region 7)
- Frank Sabath (new member, Region 8)
- Dave Staggs (Region 1-6, re-elected, after being off the BoD)

The BoD, with the newly elected candidates, for the first time in several years now covers ALL Regions of IEEE, including 7, 8, 9, and 10. Furthermore, the BoD now includes four female members, one of the largest female representations on the BoD.

## GOLD PROGRAM

Caroline Chan reported that she is working on uploading GOLD EMC information on the EMC-S website. She has written a GOLD EMC article to be published in the Newsletter. She is working with Mike Oliver on a GOLD EMC Best Paper Award for the 2012 Symposium. In the future, she hopes to gain access to the SAMIEEE database in order to get GOLD member information. She would like to recruit volunteers to draft a plan to identify individuals that would be interested in helping the GOLD EMC committee. The attendees at the Long Beach Symposium will be contacted first.

## SECTIONS COORDINATOR

Henry Benitez reported as the Sections Coordinator. He attended the IEEE Sections Congress 2011 in August and represented the EMC-S at the poster session for Societies. The Congress saw an increase in participation from many technical activities units, with representatives from 41 of the 45 Societies and Technical Councils in attendance. Additional information on the Sections Congress, as well as presentations from the breakout sessions are posted at [http://www.ieee.org/societies\\_communities/geo\\_activities/sections\\_congress/2011/index.html](http://www.ieee.org/societies_communities/geo_activities/sections_congress/2011/index.html). Mr. Benitez participated in a variety of sessions regarding membership, chapters, and IEEE tools. His report includes the top five recommendations from IEEE to the Societies for membership activities. Meetings with Region Directors and Section Chairs are being coordinated with a primary interest in the development of Region 9 EMC Chapters. He will follow-up with the new Region 9 Director and Mexico Section Chairs. His report outlines the plans for facilitating development of a new Mexico EMC Chapter. He has communicated with the EMC-S Chapter Chair Coordinator and EMC-S Region 9 Membership Coordinator regarding chapter formation activities in Mexico and Venezuela.

## SISTER SOCIETIES

Chuck Bunting reported that he has followed up with his contacts for three target Sister Societies in India and China. He has initiated discussion with the appropriate Japanese societies. The goal is to obtain the first Sister Society agreement in time for execution at the March 2012 BoD meeting.

## PHOTOGRAPHY

EMC Society Photographer Ken Wyatt reported that he is working on an "On-Line Photo Album" and is currently reviewing different platforms for this. He is looking for a platform that has no monthly charges, offers the ability to download/upload images, and is capable of indexing and jumping to major categories (events, days, etc.).

## 7.0 CONFERENCES

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

**Mr. Archambeault moved to remove the limitation of only three Exhibitor Badges per 10x10 booth space. The motion was seconded and approved.**

**Mr. Archambeault moved to allow the symposium committee chair to use up to 10% of the symposium surplus (not to exceed \$20K) for symposium committee travel expenses. The motion was seconded and approved.** Henry Benitez asked to be recorded as voting against the motion; Don Sweeney asked to be recorded as abstaining from voting.

### FUTURE YEAR SYMPOSIUMS

Tom Braxton reported on future year symposium activity. Details for the EMC 2012 – 2016 are included in the report. All symposium committees are on track for activity given their years out before the symposium start date.

### TECHNICAL CO-SPONSORSHIP (TCS)

Global EMC Symposia Co-Sponsorship Chair, Frank Sabath, reported that there have not been any new TCS applications received since July 2011. Since July, the following co-sponsored conferences took place and reports of EMC-S delegations are due from the Symposium on Environmental EMC 2011, in conjunction with SoftCOM 2011, 15 - 17 Sep 2011, Split, Croatia, Chair: Prof. Vesna Roje and from the International Symposium and Exhibition on EMC, EMC Europe 2011 York, 26 - 30 Sep 2011, York, UK, Chair: Prof. Andy Marvin.

### EXHIBITOR LIAISON

Janet O'Neil reported on the Exhibitor's Breakfast held in Long Beach towards the conclusion of the symposium week. Positive comments were received on the drayage/decorator firm GES and conference management firm Three Dimensions. Serving alcohol in the exhibitor area was well received. Negative comments included noting that the live music in the exhibit hall was not appreciated (too loud for exhibitors near the band). The "Big Bang" demo continues to create controversy about whether or not to allow this. In general, exhibitors commented that sales leads were good, attendance was good, and the "EMC Pioneers" display was well received. Exhibitors would like a discount on the exhibitor fees if they purchase booth space in 2015 at Dresden AND Santa Clara conferences –the Board should consider this request.

### REGIONAL CONFERENCE COORDINATOR

Janet O'Neil's report on regional events in Region 1-7 and Region 9 is included in the VP Conferences Report. She advised there are several regional events in 2012 planned by EMC Chapters in Regions 1-7. These are listed in the report. Currently, there are no new regional events planned for 2012 in Region 9.

## 8.0 COMMUNICATION SERVICES

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

### NEWSLETTER

Newsletter Editor Janet O'Neil reported on Newsletter finances for the Summer 2011 issue (see VP Communications Report). This issue was 80 pages, 4,509 copies were printed and mailed at a total cost of \$17,012. A total of 8.58 ad pages were sold generating \$14,735 in billable ad revenue, of which (after sales commissions and management fees) the EMC Society received \$8,252. The complete financial information is shown in her report. There were three practical papers; this is the "norm" now, in prior years we typically had two papers per issue. The Letter from the Editor and the

President's Message both promoted the launch of the new magazine in 2012. The Fall 2011 issue is still in production. It is the annual symposium issue and will be over 100 pages. It includes several symposium related articles and many photos. There is a wealth of excellent photos from the symposium to select from for this issue thanks to Society Photographer Ken Wyatt and his team including Dick Ford, Tom Fagan and Richard Georgerian. Associate Editor Antonio Orlandi is now working with George Telecki, the General Manager at Wiley, to receive new books to review.

Regarding the Newsletter to Magazine Transition, the first issue will launch in 2012. The new magazine will have a technical theme section for each of the four issues in 2012. The first theme is "Transportation System EMC". This section will be guest edited by Mark Steffka of GM. It will contain a few short papers/articles that draw upon material presented in Mark's session on this topic at EMC 2011. Each theme issue will have a guest editor who is a recognized expert in the theme area, such as Mark is with automotive EMC. Jun Fan is contributing a new regular column on signal integrity (SI) to the magazine starting in 2012. The design firm, PD Design & Consulting, LLC, will handle the composition/layout of the new magazine.

## TRANSACTIONS

Professor Heyno Garbe, the Editor-in-Chief of the *IEEE Transactions on EMC*, reported that all three issues to date for 2011 were mailed on schedule. There is currently a small backlog of unpublished papers. This problem isn't significant since every finished paper, which is ready for publication, is electronically available via IEEE Xplore "Early Access". His report includes the production statistics as provided by the IEEE.

Regarding paper submissions, the submission rate for 2011 will likely be 320 – 330 total papers. If the submission rate is constant during 2011, this represents an increase of 10% in comparison to 2010. The page budget has been raised to 1,200 for 2012 and the number of issues to six (from four). This means a page budget of 200 pages per issue. The special issue on "Applications of Nanotechnology in the EMC field" with Guest Editors Marcello D'Amore and Sabrina Sarto will be moved to February 2012. Dr. Garbe and the Transactions Advisory Board are planning two special issues including "The Impact of High Altitude Electromagnetic Pulse (HEMP) on the Civil Infrastructures" for 2012 and "EMC on Model Validation" for 2013.

Discussion ensued on the Short Papers section of the Transactions on EMC. Short Papers are meant as a forum for fast publication of the latest findings with a condensed four page length limit. However, in practice, the review process for Short Papers, allowing for revision, often takes as much time as that for a Full Paper. Therefore, two past Transactions Editors-in-Chief, Dr. Perry Wilson and Dr. Flavio Canavero, have proposed a new "Letters" section to replace the current "Short Papers" section and will act as the Associate Editors for Letters. The rules for the review process will be strict, but with the goal of creating a very fast submission to publication time. The review process is outlined in Dr. Garbe's report. Along with the move to six issues per year, this change in the Letters section will also be implemented starting with the first issue of 2012.

Perry Wilson noted he is considering potential candidates to succeed Professor Garbe whose three year term ends in December 2012.

## HISTORY

Dan Hoolihan, Chair of the EMC Society's History Committee, reports the History Committee continues to write several articles on EMC Society historical activities for every EMC-S Newsletter issue. The articles include a "look-back" for 10-25-50 years in previous Newsletters plus one or two more general historical articles. Recent issues have been highlighting a Newsletter from the 1950s called "Quasies and Peaks." No additions to the EMC Society Museum have been received in the last three months. A long-term storage location is still being researched for the inventory of older and previously-donated EMC test equipment that the Society owns and ideas for a suitable storage location are welcome. Digitizing older copies of the EMC-S Newsletter and other EMC Society records is still being pursued with the IEEE. This topic has 'heated-up' recently as Society members become older and storage of their personal technical papers for future generations is becoming more of a concern. A meeting was held on November 15 with the IEEE History

Center to discuss “digitizing” options with Mike Geselowitz and Sheldon Hochheiser from the IEEE History Center, and Mike Williams (Chair of the IEEE History Committee). Don Sweeney and Mr. Hoolihan attended from the EMC Society. Funding in the amount of \$15,000 was requested under a special initiative request for 2012 and \$10,000 for subsequent years for archival activities of EMC-S records. It was decided that it was too late for 2012 funding and the subsequent-year funding would be requested through the normal budgeting cycle. \$10,000 will be funded for 2013 and in subsequent years for similar activities. Mr. Hoolihan spent some time in Virginia recently reviewing some of the archived material from Leonard Thomas, a long-time secretary of the EMC Society, who passed away in 2007. The material is voluminous (six large boxes of paper records) and the process of discarding duplicate material and deciding what is to be “digitized” is ongoing. The material is being shipped from Mike Violette’s storage location to Dan Hoolihan’s location for further processing.

## WEB

Todd Hubing reported several routine updates continue to be made to committee, chapter, conference, and awards web pages. He noted the current IEEE EMC-S Website has a format that is a bit cluttered and difficult to navigate. Shannon Archambeault has prepared a new design for the EMC-S Website. A draft version was presented to the Board for review and comment. **Mr. Hubing moved to authorize the Web/Internet Committee to proceed with a redesign of the website that has the basic layout and features presented. The motion was seconded and approved.**

## IEEE PRESS

Ray Perez reported that there were no EMC sponsored books in progress for 2011 and none were published in 2011. A “Call for Authors” was advertised at the EMC-S Symposium Long Beach. There is interest in the Aerospace EMC Handbook. Mr. Perez advised that he has several authors who will contribute, including Jim Lukash at Lockheed Martin, Sunnyvale who is also doing some "recruiting" of potential authors.

## 9.0 TECHNICAL SERVICES

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

### EDUCATION AND STUDENT ACTIVITIES (ESAC)

Mr. Scully noted that ESAC leadership has had several changes. Tom Jerse will be stepping down as the Chair at the EMC 2012 meeting in Pittsburgh. Randy Jost has stepped down as the Vice Chair. Bogdan Adamczyk has assumed the Vice Chair position. Mark Steffka has assumed the Secretary position. Chuck Bunting has assumed the Student Paper Review Committee chair and Darryl Beetner has assumed the University Grant Committee Chair. ESAC is now holding periodic conference calls. The first was held on Oct 31 and the next will be on Dec 5. The participants are the officers and major subcommittee chairs.

ESAC has accepted the responsibility to establish clear coordination between the various educational activities within the EMC-S, including Fundamentals Tutorials, Standards Tutorials, Global University, and others. ESAC will include Qiubo Ye of TC-2 in the process to ensure the Standards Education is part of the overall picture. A new student hardware design project for 2012 is under development. A call for entrants will be released early next year. Lexmark has agreed to perform *pro bono* testing at their facility in Lexington, KY again in 2012. In addition, another project slated for the 2013 competition is being developed by Bogdan Adamczyk. It is recommended that some form of recognition be awarded to Lexmark for their continued support of this very important competition.

**Mr. Scully moved to rename the University Grant program the “John Howard Memorial University Grant.” The motion was seconded and approved.**

### TECHNICAL ADVISORY COMMITTEE (TAC)

TAC Chair Bruce Archambeault noted the TAC held two in-person meetings during EMC2011 Symposium week. Minutes are not yet ready for distribution. Released minutes will be posted on <http://www.emcs.org/committees/tac/tac-mtgs.html>. Committee reports were received from all TCs and SCs. Regarding the paper review software, all paperwork is in final processing and the site is ready to start accepting papers. Activity should begin on or about November 15. At the 2011 tutorial organized by SC 2 (Low Frequency EMC), there were 53 officially counted attendants out of 371 people total at all sessions, equating to 14 % of the attendees. The interest in this technical area has increased over the years.

**Mr. Archambeault moved to convert the SC2 Special Committee on Low Frequency EMC to a new Technical Committee entitled Low-Frequency EMC. The motion was seconded and approved.**

The VP for Technical Services report also includes an adjunct report from Kimball Williams regarding the Society for the Social Implications of Technology (SSIT) and the Technology Management Council (TMC).

## **10.0 STANDARDS SERVICES**

Don Heirman, Vice-President for Standards, presented his report. (See EMC Society Standards Committee meetings report.) The Standards Committee met on November 15. Regarding the Standards Development Committee (SDCom), the officers are Andy Drozd, Chairman, Colin Brench, Vice Chairman, and Ed Hare, Secretary. The report includes an update on the status of the IEEE EMC standards as discussed at the meeting. A baseline policy and procedures was approved and will be reviewed by the Standards Association (SA) Audit Committee. A procedure for securing an SDCom position on ANSI ASC C63® ballots was proposed. SDCom is to draft a proposal to send to the SA Procedures Committee for approval of standards jointly sponsored. The committee reviewed the travel grant from the IEEE Foundation and confirmed officer elections in early 2012.

Regarding the Standards Education and Training Committee (SETCom), the officers are Qiubo Ye, Chairman, Alistair Duffy, Vice chairman (Temp.), and Jinliang He, Secretary. The committee is planning several workshops for 2012 at the IEEE Symposium in Pittsburgh; at EMC Europe in Rome, Italy; at APEMC in Singapore; and at the 6<sup>th</sup> CEEM in Shanghai. The report outlines considerations for the workshops, including topics on the testing of gaskets (IEEE STD 1302), absorber performance (IEEE STD 1128), and RF Site Survey (IEEE STD 473). The goal is to raise awareness of standards.

Regarding the Standards Advisory and Coordination Committee (SACCom), the officers are John Norgard, Chairman, the Vice chairman position is vacant, and Don Heirman is Secretary. Reports were presented on Accredited Standards Committee C63®, IEC/CISPR Subcommittee A (Measurement methods, instrumentation and statistical techniques), IEC/CISPR Subcommittee I (Information Technology Equipment), International Committee on Electromagnetic Safety, methods of for assessment of E, H, and EM fields associated with human exposure, the Information Technology Industry Council-EMC, and the Society of Automotive Engineers and its AE4 committee.

## **11.0 PRESIDENT ELECT REPORT**

President-elect Ghery Pettit showed the planned meetings for 2012 as below.

- March 16-18, Scottsdale, AZ
  - August 5 and 9, Pittsburgh, PA
  - November 16-18, Raleigh, NC
- Board meeting on November 17 (officer election nominations) and on November 18 (officer elections)*

Mr. Pettit provided a summary of the Strategic Planning meeting held on November 15. (See Strategic Planning Report.) The Vice Presidents reported on current activity in their respective areas of the strategic plan and future plans. Board members were encouraged to work with the specific VPs they volunteered to help at the March 2011 Board meeting. Board members were asked to provide a list of benefits they have received from symposium attendance and provide this to Ghery Pettit. Mr. Pettit will create a presentation based on Board input. An e-mail blast will be sent to the EMC-S membership with the presentation prepared by the BoD. He suggested sending an email blast to the membership

drawing on this presentation and requesting feedback from the membership on reasons given by management for not sending them to the EMC symposium.

## **12.0 NEW BUSINESS**

**EMC-S History** - Don Sweeney talked about the material that he has received from Ed Bronaugh. The Board discussed how to archive this material. Dan Hoolihan suggested involving the chapters in this activity. Mike Oliver volunteered his chapter to help.

**Student Liaison Committee Mission Statement** – Bob Davis reported on the activities of the EMC Society Student Liaison, Sandra Hernandez. (See EMC Student Liaison Report.) Ms. Hernandez reported current worldwide student membership statistics indicate about 50 EMC Student Members. The low number is attributed to two factors – a lack of awareness of the EMC Society among student branch chapters and the fact that EMC curriculum is lacking and sparse. Her report outlines how the student liaison position will: encourage and increase Student EMC membership, bridge the gap between the Student Membership and Gold Member/young professionals, as well as grow the next generation of EMC Society leaders and officers.

**IEEE HKN** – Elya Joffe presented a report based on a presentation by Fern E. Katronetsky, IEEE-HKN Executive Director. HKN became IEEE-HKN on 1 September 2010 following a merger between the Eta Kappa Nu (HKN) Association and the IEEE. The IEEE-HKN is the honor society within the IEEE that recognizes excellence among peers and students who excel academically or as leaders among their peers. IEEE-HKN reports through the IEEE Educational Activities Board (EAB) with the IEEE-HKN President being a member of the EAB Board. The relationship is similar to an IEEE Society or Technical Council reporting through the IEEE Technical Activities Board (TAB). Membership consists of students, alumni, and other professionals who have demonstrated exceptional academic and professional accomplishments. Mr. Joffe encouraged Board members to join the IEEE-HKN. For more information, visit [www.hkn.org](http://www.hkn.org) or contact Mr. Joffe, a member of the IEEE-HKN.

## **13.0 FINANCIAL IMPACT OF APPROVED MOTIONS**

Elya Joffe summarized the financial impact of motions made during the meeting. (See Financial Implications Summary.)

These included the symposium committee chair using up to 10% of the symposium surplus (not to exceed \$20K) for symposium committee travel expenses, approving the Society's temporary employee wages for 2012, and Paul Doto as an independent contractor for 2012.

## **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 PRESIDENT'S FINAL REPORT**

Francesca Maradei thanked everyone for attending and contributing to the Board meeting. (See President's Final Report.) She provided an overview of the Society's accomplishments over the past two years. Despite the economic slump and global recession, the Society has managed to remain strong and focused on its primary objectives. Membership has remained stable with some 4,000 members, of which half reside outside the US. After a 3 year effort, the EMC Society completed the development and approved the Strategic Plan (SP). Symposium locations have been selected five years out, through 2016, with one symposium being located outside the US in Dresden Germany (the first time since 2003). A new approval process has been approved for providing EMC-S technical co-sponsorship to symposia. In the last two years, the Society has welcomed six new chapters worldwide: Syracuse and Pikes Peak in IEEE Regions 1-7; Nigeria and Serbia/Montenegro in IEEE Region 8; Shanghai and Chengdu in IEEE Region 10. There are 77 chapters to date. The EMC-S unanimously approved the implementation of a special Standards travel grant that was received from a

donor to support travel to actively participate in Standards committee meetings. The EMC-S successfully completed the periodic five-year Society review on behalf of the TAB Society Review Committee (SRC). As a result, several of the Society's best practices will be shared with other Societies. Due to the popularity of TC-11 on Nanotechnology, the *IEEE Transactions on EMC* scheduled a special issue on "Applications of Nanotechnology in Electromagnetic Compatibility (nano-EMC)". The IEEE has approved the transition of the Newsletter to an EMC Magazine that will be launched in January 2012. The Magazine will be included in the IEEE Xplore digital library and indexed in the official Journal Citation Report. Other highlights included in the report address global outreach and increasing internationalization of the Board membership.

## **16.0 ADJOURN**

The meeting adjourned at 5:15 pm.

Submitted by:

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

Janet O'Neil  
Secretary, EMC Society Board of Directors