

EMC Society Board of Directors Meeting

*The Marriott Hotel at the Renaissance Center
Detroit, Michigan
August 17 and 21, 2008*

THE PRESIDENT'S OPENING REMARKS

President Joffe called the meeting to order at 9:00 am. A round of introductions was made. Board members present included B. Archambeault, H. Benitez, C. Brench, R. Davis, A. Drozd, R. Ford, R. Goldblum, F. Heather, D. Heirman, D. Hoolihan, T. Hubing, E. Joffe, R. Jost, J. LaSalle, F. Maradei, M. Montrose, J. Norgard, J. O'Neil, R. Scully, D. Staggs, D. Sweeney, and T. Yoshino. Board members absent included G. Pettit (participated via speaker phone), W. Kesselman (participated via speaker phone) and R. Wallen. Guests present included S. Battermann, H. Garbe, R. Hofmann, M. Oliver, K. Williams, and A. Zimbalatti. President Joffe reviewed Board meeting protocol, the IEEE code of ethics, and upcoming activities. Mr. Joffe summarized past outreach efforts at APEMC'2008, EMC Wroclaw'2008, and EuroEM'2008. He addressed future global outreach efforts EMC Europe'2008 (September), SoftCom'2008 (September), EMD'2008 (Lithuania) (September), and INCEMIC'2008 (November). He advised he would attend the Sections' Congress (September 2008) with Dave Staggs. He reviewed the Chapter outreach plans for Columbia, October 2008, Argentina, November 2008, Korea and Australia, February/March, 2009. He summarized Excom activity and IEEE TAB news. A highlight is the IEEE 125th anniversary celebration planning. Mr. Joffe then presented the agenda and noted the items shown under the consent agenda. The consent agenda includes: Approval of August 2008 meeting agenda, approval of May 2008 Board meeting minutes and approval of Treasurer's report. The Board approved the consent agenda.

WALT MCKERCHAR TRIBUTE

Dick Ford said a few words about the recent passing of former Board Walt McKerchar. A moment of silence was observed in tribute to Mr. McKerchar.

PAST PRESIDENT AND FINANCE COMMITTEE REPORT

Past President Andy Drozd presented his report. 2008 EMCS Operations for the period ending June 30, 2008 showed the first

half year operations net was \$137,300. The operations net is higher than budget due to the closing/posting of the 2007 Symposium finances resulting in \$72,310.40 revenue. On the 2009 budget, TAB reviewed first pass budgets in June and returned second pass revised budgets. The second pass budget revision received from TAB was net negative (-\$26.1k). This was a small improvement over the first pass (-\$35.8) deficit budget. TAB's revision retained two new initiatives: IEEE Expert Now at \$20k and Secondary School EMC Program at \$10k.

STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. Standards activity covers three major areas: The Standards Education and Training Committee (SETCom), the Standards Advisory and Coordination Committee (SACCom), and the Standards Development Committee (SDCom). The SETCom Chair is Qiubo Ye and the Vice-Chair is Professor Johan Catrysse. The SACCom Chair election was held (to be confirmed with the members not at the Detroit Symposium). Erik Bergstrom volunteered to be the chair and Dave Guzman agreed to be secretary. The SDCom office elections were by eballot prior to the meeting in Detroit. The vote results are that Andy Drozd replaces Stephen Berger as chair, Colin Brench was re-elected as vice chairman and Ed Hare continues as the secretary. He showed the week's schedule of Standards-related meetings and invited Board members to attend. Don reported at length on the status of P1775 (Powerline Communications Equipment EMC Testing) - a joint standard being developed among the EMC, Power and Energy (PES) and Communications Societies. Mr. Heirman noted that the EMC Society is being maligned by members of the PES working group in how they are making statements of the EMCS participation on this standard. Andy Drozd, as a member of the IEEE Standards Board, will bring this issue to the attention of the Standards Board. Elya Joffe will contact the President of PES to inform her of the problem. Ed Hare is the EMC Society representative on the P1775 committee. He wrote an article about the activity of the P1775 committee, which was published in the Spring 2008 EMC Newsletter. He also documented the areas of concern with the relationship of the PES working group and the EMCS par-

PHOTOS BY JANET ONEIL



Dick Ford of the Naval Research Lab and Don Sweeney of DLS Electronic Systems visit during a break in the Board meeting in Detroit.



John LaSalle of Northrop Grumman, Mark Montrose of Montrose Compliance Services, Bob Hofmann of Hofmann EMC Engineering and Henry Benitez (from left) of ElectroMagnetic Investigations enjoy catching up at the Board meeting.

ticipation. Those interested in more information about this issue should read this article. Mr. Heirman requested comments from the Board. General consensus from the Board was to support the plan presented in having Mr. Drozd address this with the Standards Board and Mr. Joffe address this with the PES officers.

MEMBER SERVICES REPORT

Dave Staggs, Vice-President for Member Services, presented his report. On Awards, Bruce Archambeault reported that there is no substantial change to this year's awards luncheon. The proposal for the Special Service to the Society award has been sent to the IEEE and will be discussed at the next TAB/ARC meeting. Colin Brench will officially take over as Awards Chair at the November BoD meeting. He is currently copying Mr. Brench on all correspondence so he is prepared to take over. Next, Francesca Maradei presented her report. There are currently 68 Chapters; this number is double the number of Chapters that existed 20 years ago. The Chapters on the "watch list" include the Philadelphia and Seoul Chapters. Mr. Staggs contacted these Chapters to remind them to turn in their reporting forms so they are recorded as having held meetings in 2007 and 2008. This is a real problem in Chapters not turning in their forms. In 2007, there were 64 Chapters of which only 21 Chapters submitted their reports. Ms. Maradei requested the Chapter angels contact their Chapters to remind them about their reporting requirements. Regarding Chapter Retreats, there will be one in Region 8 in conjunction with EMC Europe 2008 on September 10 and there will be one during the EMC 2008 Symposium in Detroit. Andy Drozd then reported on the Nominations Committee, consisting of Mr. Drozd as Chair, and members being Don Sweeney, Bob Scully, Frank Sabath and Gerard Capraro. On July 15, Mr. Drozd emailed to Mary Curtis the slate of 14 qualified nominees for election to the six offices to be filled on the Board. On or about August 15, IEEE Headquarters mailed ballots to Society members with ballots to be returned to IEEE Headquarters by October 1. By October 15, Mr. Drozd will notify all nominees and the BoD officers on the results of the election. The Board approved amending Clause 4.6 of the EMC-S bylaws to accurately reflect the most recently adopted policy on voting procedures during the balloting process. Next, Membership Chair Colin Brench reported that Society membership is slightly up by 0.3%, student member is up 22% with 205 members, affiliates membership is up 128.6% with 16 members. Total EMC Society membership is currently 4031 members. There is a new initiative to bring GOLD members into the EMC Society and a new membership initiative to recruit new EMC Society members during a workshop type event. On Fellows, Todd

Hubing reported that the goal of this committee is to identify new candidates and help match candidates with nominators and references to facilitate the submittal process. He is looking for a replacement as chair. Chair Bill Duff noted there are five Fellow candidates that are being evaluated by the EMC Society Fellow Evaluation Committee. The evaluations were submitted to the IEEE Fellow Committee by June 16, 2008. Based on his experience, he expects to have two or three of the EMC candidates elected to the grade of Fellow. The other members of the EMC Fellow Evaluation Committee are Gerry Capraro, Hugh Denny, Ernie Freeman and Art Wall. This will be Bill Duff's last year as Chairman of the Fellow Evaluation Committee. Next, Frank Sabath identified several areas within Region 8 that have more than 100 EMC members. His report showed the number of EMC members in various countries in Europe. Since the last report, the number of members of the EMC Society that are living in Region 8 has increased to 1,028. Of these, 862 are potentially organized in one of the 18 EMC Chapters. There are 166 members from sections without an EMC related Chapter. He has identified six sections with more than 10 members of the EMC Society as candidates for the formation of new EMC Chapter. Maria Alejandra Mora Riveros reported that EMC Society membership in Region 9 has increased since the last report. The Sections with the highest number of members are the South Brazil, Mexico, Colombia and Argentina Sections. The near term goal is to confirm EMC Chapters in Mexico and Venezuela. EMC membership in the Mexico and Venezuela Sections has increased so new Chapters are possible. Mexico now has 15 members available for signing the petition. As stated in her last report, a future technical meeting with the participation of the Argentina, Colombia and Brazil Chapters is proposed. The Colombia EMC Chapter chair has been contacted in order to plan this activity and to try to establish an EMC workshop to be held every year in a different Region 9 country. Takeo Yoshino provided a detailed report on Region 10 membership activity. He supported the Asia Pacific EMC Week Exhibition 2008 and managed the EMC Society exhibit booth to hand out membership materials. He also supported the PPEMC in Tokyo event sponsored by the Japan and Sendai EMC Chapters in mid May with EMCS membership materials and information about the EMC Society and benefits. He will attend and staff the EMCS membership booth at APMC in December 16-19, 2008, in Hong Kong and Macau, China and the next APEMC 2010 in April 2010 in Beijing, China. He plans to have a meeting and discussions with the Region 10 EMC engineers about EMCS member services. Mr. Staggs then noted Ken Wyatt as the EMCS photographer has contacted the EMC 2008 Symposium committee in advance to advise what events he will cover for the Symposium. He solicited input on what events



International travelers Elya Joffe of KTM Project Engineering, John Norgard of NASA and Kimball Williams (from left) of Denso International America talk about recent trips in Detroit.



Board members (from left) Bob Scully of NASA, Randy Jost of Space Dynamics Lab, Francesca Maradei of the University of Rome "La Sapienza" and Colin Brench of the Southwest Research Institute visited with guest Sven Battermann (center) of the University of Hannover.



Andy Drozd of ANDRO Computational Solutions, Takeo Yoshino of the University of Electro-Communications, and Todd Hubing (from left) of Clemson University coordinate activity at EMC 2008.

and/or particular photos they would like. He also recruited a back up team of photographer volunteers to help him when events were scheduled in parallel. He printed a new updated set of 12 IEEE membership booth pictures. Mr. Staggs then reported on the Distinguished Lecturer (DL) program committee chaired by Jim Drewniak. A summary of speaking engagements for 2008 by the seven DLs is included in his report. For 2009, Dr. Drewniak is bringing forward two DL candidates. Information for each candidate will be presented at the BoD meeting on Thursday. Regarding the Video DL Program, Jun Fan has already contacted the Missouri Institute of Science and Technology (MIST) staff. They have everything ready for DLs to record their sessions. They are hoping to record some DL sessions during the Symposium to keep the travel costs for the DLs down. The initiative for 2008 is to video no more than 10 DL talks at MIST for use by EMCS Chapters worldwide. These DL talks will be primarily EMC design talks. Surveys to the participating Chapters will be utilized to determine the validity of this approach. Next, Chair Bob Hofmann reported the "Financial Assistance Program" is up and running on the www.emcs.org web site and under the registration button on the www.emc2008.org Symposium web site. Completed Careers Committee Chair Bob Davis wrote an article for the Summer 2008 Newsletter about this new committee and its task to implement a plan to honor EMCS members who have made contributions to the Society and have recently passed away. The report outlines the plan developed by the committee to honor deceased members. Members of the committee include Bruce Archambeault, Andy Drozd, Don Heirman, and Don Sweeney. A moment of silence followed in tribute to the recently deceased Hank Knoller and Walt Mc Kerchar. Randy Jost reported on the "Sister Societies" that he has contacted about forming a cooperative relationship. These are Societies that are most impacted by EMC. The goal is to co-sponsor meetings and events with these "sister Societies," hold special sessions at annual symposia, write articles for magazines, etc. to expose the technologies inherent in the Societies to each other. He plans to start this effort first with the Antennas & Propagation Society.

COMMUNICATION SERVICES

Ghery Pettit, Vice-President for Communication Services, presented his report via speaker phone. Mr. Pettit noted that the position of the Public Relations Chair remains open. Anyone interested in serving as Chair should contact Mr. Pettit. First, Mr. Pettit discussed the appointment of the next Editor in Chief of the Transactions on

EMC. The Board approved the appointment of Professor Heyno Garbe as the next Editor in Chief for the IEEE Transactions on EMC for the term 2010 through 2012. Janet O'Neil, Newsletter Editor, then reported on activity since the last Board meeting. The Summer 2008 issue contains many of the standard articles and is 88 pages. The practical papers include "Measurement of EMI Suppression of a Ferrite Core under Realistic Operating Conditions" by Bo Hu, Kye Yak See, and Weng Yew Chang and "Do-it-Yourself Fabrication of an Open TEM Cell for EMC Pre-compliance," by S. M. Satav and V. Agarwal. For the EMCABS, there are PDFs of the paper for each abstract so the on line version of the Newsletter can include a link from the abstract to the full paper. This is new with this issue - thanks to Dan Hoolihan for this suggestion. Warren Kesselman's annual EMC Society financial summary is included. The final expense for printing and mailing the Spring 2008 issue is \$20,957. The net advertising revenue from the Spring 2008 issue is \$14,995. The Spring 2008 issue featured 17 pages of ads from 20 companies. Regarding related activity, Peter Tuohy of IEEE recommended the EMCS install a "hit counter" to track the number of visits to the EMC Newsletter on line and, if possible, to the specific articles in each issue to determine which articles are read the most. Ghery Pettit, Mark Montrose and Ms. O'Neil are working with IEEE to review the pros and cons of having the EMC Newsletter become a formal IEEE Magazine. The main advantage of becoming a magazine is that the publication can now be on Xplore so it's easy to access, search for material, etc. Mr. Pettit presented the report of Perry Wilson, Editor in Chief of the Transactions on EMC. As of August 7, 2008, 166 manuscripts have been submitted in 2008. This rate projects a total of 275 submissions for the full year, in line with last year. Month-by-month statistics are shown in Table 1 going back to 2003 (thanks to Prof. Canavero for the 2003-2006 data). The submission rate has been trending up, nearly doubling since 2003; however, perhaps the submission rate will now level off somewhat.

New Paper Submissions

	2003	2004	2005	2006	2007	2008
January	11	10	19	18	27	25
February	13	20	11	79 (*)	11	26
March	13	12	16	14	21	20
April	13	14	16	17	20	18
May	19	20	14	20	31	16
June	11	23	21	21	23	34
July	29	15	23	15	31	24
August	15	16	11	28	23	3***
September	19	17	17	20	16	
October	16	17	11	22	35	
November	9	9	16	26	26	
December	10	14	12	21	19	
Total	178	187	187	301 (**)	283	275(****)

(*) including 75 manuscripts for the special issue on EMC Singapore
 (**) the total is 226 if the 75 special-issue papers are not considered
 (***) as of Aug. 7, 2008
 (****) projected at current rate

Regarding Transactions production, the August issue is on schedule at present. There is currently no backlog of unpublished papers. For 2009, Prof. Vladimir Rakov (U. Florida) and Prof. F. Rachidi (TU Lausanne) have submitted a proposal for a Special Issue on Lightning. A special issue on the same topic was published in Nov.1998 (134 pages) with F. Canavero, M. D'Amore, C. Mazzetti, and C. Nucci as Guest Editors. For 2010, Prof. Erping Li (U. Singapore) would like to propose a special issue on PCB Packaging. EMC in electronics design is a strong area of contribution from Asia, and China in particular. Regarding the Associate Editors, at the begin-

ning of 2008, Dr. Wilson had 19 Associate Editors (AEs): 3 from Regions 1-7, 12 from Region 8, and 4 from Region 10. He plans to invite an AE from Japan. Long term an Associate Editor from Region 9 (Central and South America) should be considered. History Chair Dan Hoolihan reported that the Society has volunteered to participate in the pre-launch phase of the IEEE Global History Network (GHN). Pre-Launch access to the IEEE GHN will start on August 20. One page will be devoted to the History of the EMC Society. Members from the History Committee of the EMCS will be able to log-in and start developing the history on-line. After the formal launch of the IEEE GHN in September of this year, all Society members will be allowed to collaborate on improving the EMC History page.

CONFERENCE SERVICES

Dave Staggs presented this report in the absence of Barry Wallen, Vice-President of Conferences. The first topic addressed concerned competing Symposium activities. This issue arose when certain participants in the 2008 EMC Symposium offered technical seminars that would be in direct competition to conference activities. Next, Mr. Staggs discussed EMCS policy on use of the Society logo by Society Chapters. The current policy states: The IEEE EMC Society logo with the name of the Chapter (e.g., CENTRAL NEW ENGLAND CHAPTER) printed directly beneath the logo may be used on Chapter communications (e.g., letterhead, web page, and Chapter meeting announcements) provided that these communications are consistent with the mission and policies of the IEEE and the IEEE EMC Society. Under no circumstances shall the IEEE EMC Society logo be used in situations that might imply endorsement by the Society of any product or event (including the use of the logo on announcements for any event where an admission fee is charged) without the expressed written consent of the IEEE EMC Society. In recent years this policy has been either ignored or not enforced. Chapter Chairs will be contacted to correct this problem. Symposium reports were then presented to the Board. On EMC 2007, Chair Janet O'Neil reported the net \$72,310 surplus from the Symposium was transferred to the EMC Society. EMC 2008 Chair Kimball Williams reported registration is higher than last year. The host hotel room block is full and the overflow hotel has picked up close to 100 room nights. The number of exhibits is slightly less than average; however, the patron program is at an all time low. On the budget, the committee is comfortable projecting a 22.5% surplus for an expected revenue stream of \$264k. EMC 2009 Chair Dave Staggs reports the next contracts in process are for the A/V supplier and overflow Hotels. The revised version of the EMC 2009 Symposium budget is very stable. The contract with Three Dimensions for conference management services has been signed. The Call for Papers, Call for Workshops/Tutorials, Call for Experiments/Demonstrations and Call for Special/Invited Sessions are all complete. The decorator has been selected and the exhibit hall floor plan design is complete. The exhibitor package is almost complete and ready for distribution at EMC 2008 Symposium in Detroit. The promotion and marketing materials have been completed and are being printed.

EMC 2010 Chair Fred Heather advised a planning meeting was held in Ft. Lauderdale the week of July 28 to discuss arrangements, hotel contracts, and other Symposium matters. An RFP has been sent to conference management companies. Paperwork has been submitted to establish a concentration banking account with IEEE.



Board members prepare for the start of the August Board meeting held at the Marriott Hotel in the Renaissance Center.

EMC 2011 Chair Ray Adams advised that there are no updates from the last report. Contracts have been signed with the Long Beach Convention Center and the Long Beach Hyatt hotel. Potential overflow hotel options are being reviewed. EMC 2012 Chair Mike Oliver reports the contract is completed with the Pittsburgh convention center. The committee is talking with two hotels in Pittsburgh and reviewing contract terms. Next, Janet O'Neil, Exhibitor Liaison, reported the exhibitors breakfast agenda includes a new issue in addressing commercial events held by "for profit" exhibitors that are: 1) published in the Symposium schedule of meetings and/or on the Symposium website and 2) held at a time that conflicts with the Monday-Friday 8:30 am - 5:30 pm Symposium technical program. Regarding Regional Conferences, in Regions 1-7, Janet O'Neil reported that since the last Board meeting in May, there were two tabletop shows. On June 3, there was a tri-Chapter EMC event organized by the Greater Washington DC, Northern Virginia/Southern Maryland, and Baltimore Chapters with Fred Heather as the principal organizer; this was held in Waldorf, MD at the Holiday Inn. On June 11, the Seattle EMC Chapter held tabletop show at the Museum of Flight on Boeing Field. This was a half-day program with eight exhibitor tables. Todd Hubing was the speaker on "Essential Circuit Board Design and Layout for EMC". Some 130 people attended. There was no charge to attend. There are no EMC Society Chapter sponsored tabletop shows for the balance of 2008. However, the LA EMC Chapter is cooperating with the APS and MTT Chapters to technically support a joint event to be held on September 15 in Manhattan Beach, California. Regarding Region 8, Frank Sabath's reported there are several EMC conferences coming up in 2008 and 2009, which are technically co-sponsored by the EMC Society. Regarding the publication of proceedings of co-sponsored conferences on IEEE Xplore, the International Steering Committee (ISC) of the EMC Europe conference discussed an offer to provide PDF-files of previous EMC Europe conferences to the EMC Society for publication on IEEE Xplore. Conference proceedings since EMC Europe 2000 have been produced as PDF-files. The committee is going to scan older proceedings. The ISC showed great interest in including all EMC Europe proceedings on IEEE Xplore. However, copyright and financial issues need to be addressed. Regarding Region 9, Janet O'Neil reported that preliminary plans for a tabletop show in 2008 have not been developed since the last Board meeting in May. However, Elya Joffe has advised the official outreach event for the new Chapter in Buenos Aires, Argentina will be held on November 6 and 7, 2008. He is also considering tacking on an outreach event with the Colombia Chapter and perhaps the Sao

Paulo, Brazil Chapter with the same speakers who will travel to Buenos Aires. The South America outreach plans will be confirmed during the Detroit Symposium. Regarding Region 10, a search for a new Region 10 representative is underway. Site Selection Committee Chair Darryl Ray reported that work is proceeding on identifying host cities, with Salt Lake City and Denver being the leading choices for EMC 2013. Resource availability in Denver does not look good, making Salt Lake a stronger possibility, though other sites (e.g., Baltimore, San Diego) have been discussed. The committee is in the early stages of developing a road map charting future international EMC Symposium locations. The object of the roadmap is to proactively select future sites vs. reacting to unsolicited proposals. On Global EMC Symposia, Mr. Kilshaw reported that an MOU has been sent in response to the following approved technical co-sponsorship applications: SoftCOM 2008, Croatia; Wireless Systems, CAC 2008, Sichuan, China; INCEMIC 2008, India; CEEM 2009, Xi'an China; EMC Zurich 2009, Switzerland, and EuroEM 2008, Switzerland. TAC approval is pending on the following: Asia Pacific MTT EMC 2008, Malaysia and CEEM 2009, Xi'an China.

TECHNICAL SERVICES

John Norgard, Vice President for Technical Services, presented his report. Regarding the IEEE Technology Management Council, EMCS Representative Kimball Williams gave a report. The Technology Management Council (TMC) provides managers, aspiring managers, and those being managed with leading-edge resources to fulfill their career objectives. The TMC advances the profession of engineering, technology, and innovation management, and the careers of IEEE members and individuals in the profession. The Council focuses on the global audience of practitioners and researchers through its publications, conferences, educational products, and through its relationship with related organizations. TMC held a meeting August 8-10 in San Francisco. The EMC Society is one of the newest of the 14 Society members. Society members are encouraged to write articles for the new TMC publication and papers for its Transactions. They are planning a Symposium in 2009 (San Diego) and 2010 (Boston). Milton Chang has been secured as the TMC advisor. Next, Bob Scully, Technical Activities Committee (TAC) Chair, reported on the Technical Paper Review software. The MTT Society software was selected and utilized for the 2008 EMC Symposium. A survey of TC chairs resulted in 70%-80% positive responses. The recommendation is to continue using this software for EMC 2009 and 2010. A full report on the survey related to the paper review software was presented by Ghery Pettit. Four groups were surveyed with appropriate questions, including authors (31 replies), reviewers (16 replies), TAC officers (2 replies) and TC chairs (9 replies). On the Symposium Technical Guidance document, this is in the draft stage. Related to the EMC 2008 Symposium papers, 198 papers were submitted with 166 accepted for the final program. There were 146 regular papers and 20 Special Session papers. Of the two Automotive Special Sessions (Proposed/Accepted) these were cancelled as only two papers were submitted. These automotive papers were moved into the regular sessions. Regarding the Education and Student Activities Committee (ESAC), the Fundamentals Tutorials committee has organized a day-long set of tutorials during the 2008 IEEE EMC Symposium. On the University Grant, Tom Jerse reports there will be one award for \$5,000 and one award for \$10,000 at the Detroit Symposium. The 2007 \$5K Grant was for the "Intro to EMC" course presented by the University of Waterloo

- Canada. Their Professor Omar Ramahi was invited to the Symposium to accept the award, but no conformation has been received. Harold Rudnick reports that 22 requests for Student Design Kits were received from nine universities. Of these, six were returned. Ed Wheeler and Andy Drozd are handling the experiments and demonstrations. There were nine hardware experiments and nine computer software demonstrations this year, plus one combination hardware/software offering. New this year, the results of the student design competition were scheduled in the demonstrations area. Jim Whalen and Aziz Anan are reviewing the student papers submitted.

STRATEGIC AND LONG RANGE PLANNING

Elya Joffe presented an update on the LRP. The "mega-issues" under each VP area were reviewed and discussed. Items were shown in color to indicate if the items were a top, medium or low priority.

OLD/UNFINISHED BUSINESS

The following items were discussed under old business:

Report from IT Planning Committee: Fred Heather noted that no further work has been conducted by the committee since the last Board meeting. He'll focus on the website issues and report back at the November Board meeting.

Committee Vacancies/Appointments: President Joffe showed a list of the EMCS vacant positions. Anyone interested in serving in these positions should let Mr. Joffe know. Kimball Williams volunteered to be the PACE representative.

Schedule for 2008 and 2009 Board Meetings: President Joffe presented the Board meeting schedule for the balance of 2008 and for 2009 as follows (note NEW date for the November 2009 meeting):

- November 19-21, 2008 - Long Beach, CA (Annual dinner and election)
- March 19-21, 2009 - Phoenix, AZ
- May 22-23, 2009 - Philadelphia, PA
- August 16 and 20, 2009 - Austin (Symposium)
- November 12-14, 2009 - New Brunswick, NJ (TAB Meetings)

NEW BUSINESS

The following items were discussed under new business:

EMC Kyoto 2009: President Joffe requested that Board members support this Symposium and consider participating by acting as session chairs and/or organizing special sessions.

Spectrum Management: Dick Ford noted his concern that TC-6 on Spectrum Management did not submit any papers for EMC 2008. This is a critical topic that the EMCS should be involved in. WiMAX is using the balance of reserves in less hertz, giving rise to concerns about quality. Andy Drozd noted that DySPAN is an active conference group addressing this issue as well as the Communications Society and the Department of Defense. Mr. Ford noted that the EMCS should focus its efforts on spectrum engineering. Andy Drozd volunteered to chair the ad hoc committee to address this topic and bring it to the forefront of the EMC Society. Fred Heather and Elya Joffe volunteered to be members of this committee.

New SDCOM Officers - Don Heirman noted that elections have

closed for the Standards Development Committee (SDCom). Those elected are Andy Drozd (Andro Computational Solutions) as Chair, Colin Brench (SWRI) continuing as Vice-Chair, and Ed Hare (ARRL) continuing as Secretary. Mr. Heirman acknowledged the tremendous job outgoing chair Steve Berger did for several years. The Board asked Mr. Heirman to convey their appreciation to Mr. Berger.

CLOSING REMARKS

President Joffe thanked everyone for coming to the meeting and reminded the Board about the continuation of the meeting scheduled for Thursday, August 21 at 6:00 pm.

ADJOURNMENT

There being no further business, the meeting adjourned at 4:45 pm.

Continuation of the Board meeting - 6:40 pm on Thursday, August 21, 2008

President Joffe called the meeting to order at 6:00 pm. A round of introductions was made.

Board members present included Bob Scully, John Norgard, Todd Hubing, John LaSalle, Francesca Maradei, Bob Davis, Dave Staggs, Mark Montrose, Elya Joffe, Janet O'Neil, Kimball Williams, Andy Drozd, Don Sweeney, Dan Hoolihan, Bruce Archambeault, Colin Brench, Fred Heather, Henry Benitez, Bob Goldblum, Dick Ford, and Takeo Yoshino. Board members absent but available via speaker phone were Don Heirman and Ghery Pettit. Warren Kesselman did not attend. Guests present included Flavio Canavero, Sven Battermann, Heyno Garbe, Sabrina Sarto, Mike Oliver, Bob Hofmann, Randy Jost, Chris Holloway, and Ryuji Koga.

The agenda was presented and approved.

The VPs presented updated reports on their respective areas of activity during the Symposium week.

Communications: Ghery Pettit advised Bob Hoffman was appointed to be interim chair of publicity committee. Dick Ford was appointed as the vice chair. Their term will be less than one year until the position has been filled.

Standards: Don Heirman advised nine Standards meetings were held during the Symposium week, including the SDCom, SETCom and SACCom. The annual RAC/SACCom luncheon was also held. See New Business above for election results of SDCom. There are 15 members of SDCom. The report included a status update on the active standards being addressed by the committee. Regarding SETCom, the Chair is Qiubo Ye, CRC (appointed Nov. 2005), the Vice Chair is Johan Catrysse, Lab for EMC, KHBO (appointed June 2006) and the Secretary is Jinliang He (appointed Oct. 2006). There are five members of the committee, three of which are recruited this year. Three are from the US (TX, NY, NH) and two are from China. The SETCom Chair has lost his agency support and is looking for a solution. On SACCom, there was also a change in officers. The new Chair is Erik Borgstrom, the new Vice-Chair is Noel Sargent, and Dave Guzman has agreed to remain an officer in staying on as Secretary (previously he was Chair). There are 17 representatives on the committee. Regarding Strategic and Long Range Planning related to Standards activity, the committees discussed priorities being to update member access to standards and regulations and use of new on-line services via Xplore. Standardization for emerging technologies is a priority, especially work on P1900.2 on Soft-



Kimball Williams (left) congratulates Bruce Archambeault of IBM for the award he received as Chair of the EMC 2008 Symposium Special Sessions.

were defined and cognitive radio. They are also watching TC activity (e.g. TC11 activities on nanotechnology) for possibilities. It was noted that there was limited interest so far on regulations which seem to be outside standards work. Mr. Heirman noted that the Standards Committee meetings are open to anyone interested in attending.

Member Services: Dave Staggs provided an overview of the DL program. During the Symposium week, he sent the biographies of candidates for the 2009-2010 term. The Board approved the appointment of Dr. Ji Chen and Dr. Sergui Radu as EMCS DLs for the term 2009-2010. The Board approved increasing the DL program expense for inter-regional expense reimbursement from \$1,000 to \$1,250 USD and intra-regional expense reimbursement from \$750 to \$1,250 USD. Related to membership, Colin Brench noted at the membership booth surveys were returned and will be analyzed by Fred Heather. Bob Hofmann will write an article for the Newsletter on the financial assistance that may be made available for EMC 2009. Andy Drozd noted that the ballots for Board member elections have been mailed. The Board approved showing the IEEE member grade on each registration badge provided at the IEEE International Symposium on EMC.

Technical Services: John Norgard introduced Bob Scully who reported on TAC. His report contains information on all the technical committee meetings held during the Symposium week. The committee discussed a proposed new approach to paper assignment and dissemination, with the intent of increasing effectivity of management of the process, and relieving the burden on the TC Chairs. Fred Heather presented a new idea for "poster papers" at EMC 2010. TAC was generally receptive to the idea. Regarding the proposed increase of scope to embrace technical aspects of Spectrum Management in the TCs, Andy Drozd presented charts describing the scope expansion of TCs 3, 5, and 6 to address the burgeoning area of Spectrum Management. TC 6 appears to be most appropriate fit and thus a natural starting point. TAC coordinated Symposium activity with iNARTE. Flavio Canavero reported on the Global University course. He showed the focus of the course and shared results of the survey. The feedback was very positive and this year's course was again another success. The chair of next year's Global University is Todd Hubing. Randy Jost reported on the Education Committee activity during the Symposium week. Bob Nelson will step down as chair at the end of the year. Regarding iNARTE, Brian Lawrence is looking for assistance in developing curriculum as they expand into the University environment with an "apprentice" program. The Board approved including

the GU activity under ESAC. Chris Holloway and Sabrina Sarto gave a report about IEEE NANO 2008, a conference held in Arlington, TX over August 18-22. Professor Sarto attended the AdCom meeting on August 18 and noted the EMCS representative needs to be reappointed. She noted the Electronics Devices Society is the best represented at this conference. She would like to organize a special EMC session for IEEE NANO 2009 and also for EMC 2009. She also suggested having a joint special issue on IEEE Transactions on Nanotechnology and IEEE Transactions on EMC. President Joffe requested that TC-2 and TC-11 work together to coordinate activity.

Conference Services: Kimball Williams gave a verbal report about the EMC 2008 Symposium. Everyone seemed to enjoy the Symposium. The technical and social programs were well received.

Under "Old Business," the following items were discussed:

Spectrum Engineering: Andy Drozd reported on the ad hoc committee for addressing the revitalization of TC-6 on Spectrum Management. He reviewed the situation and proposed a strategy for promoting TC-6.

Officer and Board Job Descriptions: Kimball Williams presented a report. With the EMC 2008 Symposium, this activity has been stalled, but this will get started again and a full report will be presented at the November meeting.

Under "New Business," the following items were discussed:

Kyoto 2009: Professor Yoshino reported on EMC'09 Kyoto. He distributed the call for papers and encouraged Board members to attend.

Potential Policy Change: Andy Drozd advised that the by-laws are under consideration to be revised related to the Board elections. He will bring information on this to the Board meeting in November.

Video on Myron Crawford: Bob Davis advised that his commit-

tee would like to create a video to commemorate the contributions of Myron Crawford in an amount not to exceed \$1,000. Since this is a part of the Completed Careers committee, the funding for this would come from Member Services.

There being no further business, the meeting adjourned at 9:00 pm.
Submitted by:

Janet O'Neil
Secretary, EMC Society Board of Directors

New Members of the EMC Society Board of Directors Announced!

A ballot for the election of six members to the IEEE Electromagnetic Compatibility Society Board of Directors was mailed to all members of the EMC Society in August 2008. The ballots returned have been counted, and the following candidates have been elected for a three-year term beginning 1 January 2009:

Dick Ford	Henry Benitez
John Norgard	Ghery Pettit
Don Heirman	Kimball Williams

We wish the newly elected members of the Board of Directors success and thank all candidates for their willingness to serve and for permitting their names to be included on the ballot.

Brief biographies of these candidates will be featured in the next issue of the EMC Newsletter.

Past Presidents of the EMC Society



The past Presidents of the IEEE EMC Society gathered for a group photo following the Awards Luncheon in Detroit. Seated from left are Ralph Showers, Bill Duff of SENTEL, Bob Hofmann of Hofmann EMC Engineering, Bill Gjertson of Boeing and Dan Hoolihan of Hoolihan EMC Consulting. Standing from left are Joe Butler of Parker Chomerics, Todd Hubing of Clemson University, Kimball Williams of Denso International America and Andy Drozd of ANDRO Computational Solutions.

PHOTO BY KEN WYATT