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IEEE-EMC TC-6
Committee

Technical Committee #6 (TC 6) Meeting Minutes

Website: http://www.emcs.org/committees/tc06/
Location: Santa Clara, California; Convention Center

1.0 Chair K. Dyberg called the meeting to order at 7a.m. Introductions were made. There were 4 attendees. The attendance sheet is attached. It was a very productive meeting.

2.0 Meeting minutes from the August 2014 meeting were discussed. Minutes will be distributed by email to participants from last year and will be addressed during the next telecon.

3.0 The committee membership status and officers were discussed and the following notes were made
- Present officers were elected during the 2012 convention. The Secretary position is still open.
- The member list and roster were discussed and it was noted that the membership status of individuals should be checked and criteria set.

4.0 TC 6 received the "Most Improved" Technical Committee at the 2014 awards luncheon the 2014 International Symposium on EMC and Signal Integrity in Raleigh, North Carolina.

5.0 The symposium activity of 2015 was discussed.
- One TC 6 paper was submitted for Santa Clara. It was accepted with required comments, but the author did not resubmit. Three papers were reviewed for Dresden; two accepted with required changes and one rejected. All papers reviewed were difficult to read and require a native English speaker to assist authors with grammar and clarity.
- Karen Dyberg participated in the iNarte exam review for the EMI Design Engineers certification test in Santa Clara. New exam questions are needed from our TC due to the low quality of man of the current questions. The TAC will discuss the current process and send TC's a list of subject areas that require new questions. All questions must be multiple choice, written a certain way, and require a thorough explanation of how to solve the problem.
- A half-day tutorial was put on by TC 6 members from Rohde & Schwarz on Wednesday afternoon title "Capturing Pulsed/Intermittent Signals With Frequency Swept, Frequency Stepped, And Time Domain Scan Methodologies" by Bill Wangard and Darren McCarthy. The tutorial was recorded.
- Members with published papers via other venues:
    - Larry Cohen co-authored a paper "Solving the Spectrum Crisis: Intelligent, Reconfigurable Microwave Transmitter Amplifiers for Cognitive Radar," Microwave Magazine, July-August 2014
    - Larry also co-authored "Radar Spectrum Engineering and Management: Technical and Regulatory Issues", Proceedings of the IEEE, 2015
    - John Stine co-authored "Enabling Spectrum Sharing Via Spectrum Consumption Models", IEEE Journal on Selected Areas of Communications", 2015

- Future TC 6 activities (2015 and beyond) were discussed as follows:
  - We are hoping that members who cannot go to Dresden can participate in a TC 6 via WebEx. It isn't definite that there will be a WebEx capability. Bob Davis and Sarah Seguin will be attending Dresden. Sarah will run the meeting. She is also running the Education and Student Activities Committee (ESAC) meeting
  - TC 6 hasn't had any monthly telecons since the last symposium. Karen will set them up again.
  - IEEE Standard 377 IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters, was discussed. Larry Cohen is the chair. If there is no need for the standard because another up-to-date standard is immediately applicable, the standards committee may recommend it be cancelled. Darren McCarthy asked if anyone still uses it and that perhaps its covered under MIL-STD-188/181.
  - Other possible standards work is IEEE Standard 473 on Site Surveys and ANSI C63.7 on Wireless Coexistence. We should really review the suggestions from the last year's meeting in Raleigh for suggested efforts.
  - Tom Fagan brought up the need to update MIL-STD-449D "Measurement Of Radio Frequency Spectrum Characteristics". Tom is working a program that has it as a requirement. Tom will find out from Joe DeBoy (ASC/ENAD Wright Patterson AFB) about how to go about that.
  - Tom also brought up we may want to participate in US ITU Association (USITUA) meetings. "The USITUA is an open U.S. industry forum for the discussion of issues and the development of views and proposals on International Telecommunication Union (ITU) policy matters. The USITUA mission is to develop consensus private sector views that maximize common benefits to U.S. industry and to gain U.S. support of these views through improved coordination and cooperation between the industry and the U.S. Government." He also mentioned the National Spectrum Managers Association.
  - We also discussed jammer detection and measurements performed by Darren McCarthy and the implications.
  - It was noted that the TC 6 website needs to be updated with the inclusion of the meeting minutes, the TC 6 tutorial, and the certificate for the most improved TC.
- The TC 6 report and matrix were not generated as there is end of week TAC meeting.

6.0   The meeting was adjourned at 9 a.m.