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IEEE-EMC TC-6
Committee

Technical Committee #6 (TC-6) Meeting Minutes

Website: <http://www.emcs.org/committees/tc06/>

Location: Denver, Colorado; Convention Center

- 1.0 Chair K. Dyberg called the meeting to order at 7a.m. Introductions were made.
- 2.0 Meeting minutes from the August 2012 meeting were discussed and approved.
- 3.0 The committee membership status and officers were discussed and the following notes were made
 - Officers:
 - Present officers were elected during the 2012 convention. These officers will serve until the 2014 convention period.
 - The Symposium paper review status was discussed (top paper, reviewing procedure, etc).
 - 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 The symposium activity of 2013 and beyond was discussed.
 - The symposium paper review status (top paper, reviewing procedure, etc) was discussed
 - The 2013 Special Session: Spectrum Analysis and Measurements in a Congested Electromagnetic Environment was discussed and reviewed.
 - The following discussion followed:
 - TC performance scoring was discussed and how to maintain activity.
 - The TC6 charter was reviewed.
 - The iNarte Spectrum Manager Certification was discussed.
 - Future TC6 activities (2014 and beyond) were discussed as follows, such as having a tutorial or workshop, writing articles for the EMC magazine, and other possibilities for TC6 activities:
 - Meet via telecom monthly – pick time and day – 2nd Thursday of month at 11am eastern or 12 noon – Chair K. Dyberg will set up meeting and invite to all.
 - Chair K. Dyberg will set up a meeting to invite all interested to attend.
 - It was noted that the TC6 website needs to be updated with the following: membership, approved 2012 meeting minutes, 2103 meeting minutes, a possible charter change. It was noted that other details have already been changed.
 - The committee should do a poster recruit session for the 2014 meeting.
 - Ideas were deliberated for the TC6-related Experiments and Demonstrations as follows: Dr. R. Jost and Mr. T. Fagan suggested direction finding, interference, demo on computer, and Mr. A. Drozd suggested a DSA demo.
 - It was suggested that other spectrum-related communities be contacted to investigate possible future collaboration and to support/run a special session at other meetings. Chair K. Dyberg volunteered to look at this in-depth. Possible conferences were suggested as follows: the Radar Symposium, Tri-Service Radar, ISART, APS-URSI, DoD spectrum

groups, various wireless communities, waveform diversity, IEEE Communications Society, IEEE Antennas and Propagation Society, IEEE Microwave Theory and Techniques Society and the IEEE International Microwave Symposium. Chair K. Dyberg will also look into these other symposiums in depth along with the rest of the membership.

- Mr. Brian will lead the writing of an EMC Magazine article. Chair K. Dyberg and Vice-Chair C. Hauser will write an article discussed the TC6 name and charter changes.
- Changes to the call for papers were made and the following topics were designated: spectrum characterization and modeling, design for spectrally efficient systems, and adaptive interference mitigation.
- It was discussed whether the committee should be involved in future receiver standard work as well as comment on the recent PCAST report. It was noted that if the committee participates in standards activities, it will increase its visibility. Standards in the following areas were suggested: spectrum management, NTIA, and FCC. Mr. T. Fagan volunteered to send more information on the C63.27 working group on wireless coexistence.
- Last year Dr. R. Jost mentioned that we could write a document addressing a basic spectrum relevant nomenclature. The possibilities for topics are: comparing DoD nomenclature to industry with suggested consistent terminology.
- A special session or workshop was discussed. Possible topics included: spectrum sharing, ultra wide-band radio operation requirements, design and measurements, dynamic spectrum access and cognitive radio, spectrum efficiency (requirements, design techniques that work for different equipment, hardware design, software design, etc.), TV white space activities, radar (different types for different frequency bands, design spectral efficiency, and testing), and the president's imitative and related activities.
- It was suggested that presentations at local EMC societies could be made to increase TC6 membership. Dr. R. Jost has a presentation that would work well and offered to streamline it. In addition, it was mentioned that having an ESAC primer presentation would be of use. Further education topics were also discussed, such as holding webinars.
- A possible collaboration with TC6 for a workshop or special session next symposium was suggested.
- The TC6 report and matrix were generated for the Friday TAC meeting.

5.0 Additional committee business was discussed and the meeting agenda for 2014 was discussed.

6.0 The meeting was adjourned at 9a.m.