



**Annual Meeting at the
2006 IEEE International Symposium on EMC at Portland, Oregon
Wednesday, August 16, 2006**

Confirmed July 11, 2007

1. Chairman William (Bill) Radasky brought the meeting to order at 12:13 pm. Our Secretary, Randy Jost, is stepping down. Bill and Mike McInerney, the Vice Chairman, will act as co-secretaries for this meeting. All the members present introduced themselves, and the following items were discussed.
2. Twelve papers were reviewed by TC-5 for the 2006 EMC Symposium: 10 were accepted, 2 were rejected. Of the 10 accepted papers: 7 were oral in the HPEM session, 1 was open forum (poster), and 2 oral papers were transferred to other sessions for presentation. This is the second year that full papers (preliminary) were required. The papers were submitted electronically (in Adobe PDF format) to the EMC paper review website and the Technical Activities Chair (TAC) assigned the papers to a technical committee for review. The TC chair assigned three reviewers for each paper. The reviewers were able to download the papers from the website. The reviewers submitted their reviews electronically, with comments, to the website. This is where the process deteriorated. Bill bemoaned the complicated method needed to consolidate the reviews and to submit the summary. He hoped that this would improve for next year's conference, as it required more work than the old manual system for the volunteers reviewing papers.
3. Paper reviewers are great. Please volunteer to be a paper reviewer.
4. Bill announced that on Friday afternoon at 1:00 pm there will be a TC5-sponsored tutorial on ESD (FR-PM-WS-18: Having ESD Problems? From Basics to Solutions). It is chaired by David Pommerenke, U. of Missouri - Rolla.
5. Bill reviewed the 2005 minutes. They were unanimously approved.
6. An attendance form was distributed. Attendees are requested to provide their name, organization and email address.
7. Bill Radasky provided an update on IEEE P1642 - *Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI* and IEEE P1643 - *Recommended Practice for Protecting Voting Equipment and Systems from Intentional EMI activities*, both of which he is chairing. This year's symposium committee meeting was yesterday, Tuesday, from 7:00 to 9:00 am. The first draft was reviewed. The second draft is planned for distribution 30 November. The final draft will be distributed 31 March. The final draft will



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be discussed at the 2007 EMC Symposium, Honolulu, Hawaii July 8 – 13, 2007. The document will then be prepared for the voting process.

8. Mike McInerney reported on the status of the web page. He recently updated it and as of this meeting, it is current. A suggestion was made by Elya Joffe to add links to HPEM, IEMI and lightning conferences under links. This will be considered, however, it is difficult to keep such links up to date.
9. There were seven HPEM or IEMI conferences (or sessions/tutorials) over the past 12 months:
 - International Conference on Lightning, September 2005
 - International Conference on EM and Advanced Applications, Torino, Italy, September 2005
 - EMC Europe Workshop on EMC of Wireless Systems, Rome, Italy, September 2005
 - URSI General Meeting, New Delhi, India, October 2005
 - Asia-Pacific Symposium on EMC Taipei, December 2005
 - EMC-Zurich in Singapore, Singapore, February 2006
 - AMEREM, Albuquerque, U.S.A., July 2006
10. Dr. Rachidi spoke on the planned lightning tutorial for Hawaii 2007.
 - Based on Singapore tutorial
 - A presentation of the suggested topics and preliminary speakers was given
 - One to one and one half day tutorial
 - Can be split into two parts, if necessary
 - December 15 is workshop deadline
 - Workshops will be Sunday and Monday at Hawaii
11. Fred Heather suggested having a separate tutorial on aircraft lightning
 - Two-hours on direct effects
 - Two-hours on indirect effects
 - Attachment zones, test methods, magnetic flux, ignition vs. spark free design
 - As Dr. Rachidi's workshop had been recommended by TC-5 to the IEEE during the 2004 IEEE Chicago symposium, it was not clear that this new recommendation could be accommodated by the 2007 Hawaii Conference Committee. If not, it would be considered for 2008.
12. Fred Heather suggested special session on aircraft lightning for Hawaii or at a future conference.
13. New activities



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- Lightning and light rail catenaries
- 2007 and 2008 important global EMC conferences
- HPEM tutorials
- Lasers – high voltage / power
- EMC Security of Communications and Transportation, Paris, France, June 2007
- EMC Zurich in Munich, September 2007
- EMC Europe, Hamburg, 2008
- EUROEM, Lausanne, Switzerland, July 2008,

14. Bob Martin volunteered for the Secretary position*

15. The meeting was adjourned at 1:12 pm.

Respectfully submitted,

Michael McInerney, Secretary (acting)

*We were unable to contact Bob Martin after the conference. It is assumed that he is no longer interested in serving as Secretary.



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IEEE EMC TC-5 Members 16 August 2006

Mr. Ehoud Alouf
Dr. John Archer*
Mr. Curtis Autin*
Dr. Mats Backstrom
Mr. Donald G. Baker*
Dr. George Baker
Mr. Randy Barnes
Dr. Carl Baum
Dr. John Bombardt
Dr. Jack Bridges
Dr. Richard Briet*
Mr. Ross Carlton
Mr. Darren Carpenter*
Dr. Nigel Carter
Mr. Thomas Chin
Dr. Donald E. Clark*
Mr. Larry Cohen*
Dr. William J. Croisant*
Prof. Marcello D'Amore
Mr. Edward F. Davis*
Mr. John Drapala*
Ms. Karen Dyberg*
Mr. Dennis Friday*
Dr. Heyno Garbe
Dr. Bob Gardner
Dr. Jim Gilbert
Mr. Cliff Giles
Dr. Dave Giri
Mr. Bill Gjertson*
Dr. Stan Grzybowski*
Mr. Michael Hatfield*
Mr. Fred Heather*
Mr. Mark Hendricks*
Mr. Richard Hoad
Dr. Lothar O. Hoeft*
Mr. Roy Hubbard
Prof. Michel Ianoz
Dr. Ichikawa
Dr. Claudia Imposimato
Mr. Elya Joffe*
Mr. Randy J. Jost*
Dr. Armin Kaelin
Mr. John Kappenman
Dr. Torbjorn Karlsson
Mr. Shuichi Kobayashi
Dr. Ira Kohlbert
Mr. Akira Konomoto
Prof. Takafumi Koseki
Mr. Brian Kuhlman
Mr. Andrew Lambourne
Mr. Robert Martin*
Mr. Mike McInerney*

Dr. Don McLemore
Mr. Bill McSheffrey
Mr. Maqsood Mohd
Mr. Daniel Nitsch
Dr. John Norgard
Mr. Lee Olson*
Dr. Yuri Parfenov
Mr. Chandra Patel
Mr. Bob Pfeffer
Dr. Andrew Podgorski
Dr. Bill Prather
Mr. William Price*
Prof. Farhad Rachidi*
Dr. Bill Radasky*
Prof. Vladimir Rakov
Dr. Andrew Randewich
Mr. Dan Rebeck*
Mr. Eli Recht
Dr. Hwang-Jae Rhee
Mr. Peter D. Richeson*
Dr. Frank Sabath
Mr. Kerry Sandstrom
Mr. Edward Savage*
Mr. David Schafer*
Mr. Robert Searles*
Dr. Dominique Serafin
Dr. Joe Shiloh
Dr. Leonid Siniy
Dr. Kwok Soohoo*
Mr. Bernd Steinkuehler
Prof. Koseki Takafumi
Mr. Greg Temmer*
Dr. Vladimir Terekhin
Prof. J.-L. ter Haseborg
Dr. Fred Tesche
Mr. Dave Walen
Mr. Manuel Wik
Mr. Perry Wilson*
Prof. Riccardo Zich

* Attended the TC-5 annual meeting at the
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