

Commission K (Electromagnetics in Biology & Medicine) Activity Report

November 10th, 2009

by

Tsukasa Shigemitsu

1. Update on EMF safety issue

- (1) The First meeting of Japanese URSI-Commission K for 21st term of the Science Council of Japan

After setting up the new member of Japanese URSI-Commission K for the 21st term of the Science Council of Japan, the First meeting of Japanese URSI-Commission K was held on September 9, 2009, at the Tokyo Metropolitan University's Akihabara satellite campus, Tokyo.

In this meeting, the progress of AP- RASC'10, Toyama was discussed. After considerable discussion, as a new research topic, Prof. Matsuki of Department of Computer and Mathematical Sciences, Tohoku University, gave us very interesting lecture on "Recent trend on wireless power transfer". His presentation included SPS concept development and evaluation, wireless power transfer via strongly coupled magnetic resonances.

2. Meetings

(a) Past meetings

- (1) Progress in Electromagnetic Research Symposium (PIERS) August 18-21, 2009, Moscow, Russia (<http://piers.mit.edu/piers2k9Moscow/>)
- (2) World Congress 2009 on Medical Physics and Biomedical Engineering. September 7-12, 2009. Munich, Germany (<http://www.wc2009.org>)
- (3) International Conference on Electromagnetics in advanced application (ICEAA 09). September 14-18, 2009, Torino, Italy (<http://www.iceaa.polito.it>)
- (4) 5th Asia-Pacific Conference on Environmental Electromagnetic & Exhibition. September 16-19, 2009, Xi'an, China
- (5) Occupational exposure to electromagnetic fields: paving the way for a future EU initiative. October 6-9. Umea, Sweden (<http://www.av.se/inenglish/aboutus/eu/electromagnetic.aspx>)
- (6) Second scientific meeting of the Health & Radiofrequencies Foundation. October 20-21, 2009, Paris, France
- (7) Asia-Pacific Microwave Conference. December 7-10, 2009, Singapore (<http://www.apmc2009.org>)
- (8) World Congress 2009 on Medical Physics and Biomedical Engineering. September 7-12, 2009, Munich, Germany
- (9) 6th International Workshop of Electromagnetic Compatibility (CEM 2009). November 12-14, 2009, Constanta, Romania

(b) Future meetings

- (1) International Conference on Electromagnetic Fields, Health and Environment – EHE, November 17-19, Guaruja, San Paolo, Brazil
- (2) Progress in electromagnetic Research Symposium (PIERS) 22-26 March 2010, Xi'an, China (<http://piers.mit.edu/piers/>)
- (3) Asia-Pacific Symposium on Electromagnetic Compatibility, 12-16, April 2010, Beijing, China (<http://www.apemc2010.org/>)
- (4) ESHO 26th Annual Meeting 20-22, Rotterdam, The Netherlands (<http://www.sho.info/>)
- (5) 32th BEMS Annual Meeting, Seoul KyoYuk MunHwa HoeKwan, June 14-18, 2010, Seoul, Korea. (<http://www.bioelectromagnetics.org/>)
- (6) 2010 Asia-Pacific Radio Science Conference, 22-26, September, 2010 Toyama, Japan

(<http://www.ap-rasc10.jp/>)

- (7) 33th BEMS Annual Meeting, June 12-17, 2011, Halifax, Nova Scotia, Canada
- (8) Sixth International Workshop on EMF. October 11-16, 2010, Bodrum, Turkey
- (9) IEEE Antennas and Propagation Society International Symposium and USNC-URSI National Radio Science Meeting, July 8-14, 2012, Chicago, Illinois, USA
(<http://www.ece.uic.edu/2012aps-ursi>)

3. Published papers by the member of Japanese Commission K(2008~)

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