

## Commission K (Electromagnetics in Biology & Medicine) Activity Report

February 26<sup>th</sup>, 2013 by Yasuhiko Jimbo

### 1 Activity

#### 1.1 1<sup>st</sup> meeting of Japanese URSI-Commission K for 22<sup>nd</sup> term of the Science Council of Japan

- ◆ Date: January 18, 2013
- ◆ Place: Tokyo Metropolitan University's Akihabara satellite campus, Tokyo
- ◆ Topics:
  - Approval of the proposal of the URSI-Commission K international workshop. The workshop will be held in Paris during 29<sup>th</sup> and 30<sup>th</sup>, August, 2013. Tentative schedule is as follows;
    - 8/29/2013 AM: Invited lectures (introduction of URSI-Commission K, activity of French URSI-K national committee and International Committee of Non-Ionizing Radiation Protection)
    - PM: 2 scientific sessions (each session will be 2 hours)
    - 8/30/2013 AM: 1 scientific session (2 hour)
    - PM: 2 scientific sessions (2 hours each)
  - Estimated number of participants is approximately 100 and fee is between 100 and 200 euro. Theme of the workshop will be decided later.
- ◆ Miscellaneous
  - Introduction of the master research plan of the Science Council of Japan
  - Preparation for URSI-GA 2014
  - Announcement of Asia-Pacific Radio Science Conference 2013
- ◆ Scientific symposium (The 5<sup>th</sup> symposium of electromagnetics in medicine and biology society, co-organized with MICT (Medical Information & Communication Technology) Society)
  - 16 research reports and 1 invited lecture were presented with 33 participants.

### 2 Meetings

#### 2.1 Past meetings

- 1) (Domestic) 2012 IEICE General Conference, Okayama, Japan, March 20-23, 2012  
<http://www.ieice.org/jpn/event/program/2012G/index.html>
- 2) (Domestic) 2012 IEEJ General Conference, Hiroshima, Japan, March 21-23, 2012  
<http://www2.iee.or.jp/ver2/honbu/03-conference/12-taikai/index.html>
- 3) 6th European Association on Antennas and Propagation (EuCAP2012), Prague, Czech Republic, March 26-30, 2012, <http://www.eucap2012.org/>
- 4) ISMRM 20th Annual Meeting & Exhibition, Melbourne, Australia, May 5-11, 2012  
<http://ismrm.org/12/>
- 5) 7th ICNIRP International NIR workshop, Edinburgh, Scotland, May 9-11, 2012  
<http://www.icnirp.de/NIR2012/NIR2012.htm>
- 6) 2012 Korea-Japan EMT/EMC/BE joint Conference (KJJC-2012), Seoul, Korea, May 18-19, 2012, <http://www.kiees.or.kr/kjjc2012/>
- 7) Asia-Pacific Symposium on Electromagnetic Compatibility (APEMC), Singapore, May 21-24, 2012, <http://www.apemc2012.org/>
- 8) The 34<sup>th</sup> Annual Meeting of the Bioelectromagnetics Society, Brisbane, Australia, June 17-22, 2012, <http://www.bems2012.com.au/2012/>
- 9) The 11<sup>th</sup> International Congress of Hyperthermic Oncology (ICHO) & The 29<sup>th</sup> Japanese

Congress of Thermal Medicine (JCTM), Kyoto, Japan, August 28-31, 2012

<http://icho2012.umin.jp/>

- 10) (Domestic) JBMES 2012, Osaka, Japan, September 7-8, 2012  
<http://www.jbmcs2012.bpe.es.osaka-u.ac.jp/>
- 11) (Domestic) 2012 IEICE Society Conference, Toyama, Japan, September 11-14, 2012.  
<http://www.gakkai-web.net/gakkai/ieice/2012Spro/index.html>
- 12) EMC Europe, Rome, Italy, September 17-21, 2012.  
<http://www.emceurope2012.it/>
- 13) IEEE Life Sciences Grand Challenges Conference, Washington DC, USA, October 4-5, 2012  
<http://lifesciences.ieee.org/articles/169-ieee-life-sciences-grand-challenges-conference-schedule>
- 14) 7th International Workshop on Biological Effects of Electromagnetic Fields (7<sup>th</sup> IWSBEEMF), Malta, Greece, October 8-12, 2012
- 15) 2012 International Symposium on Antennas and Propagation, Nagoya, Japan, October 29 – November 2, 2012, <http://www.isap12.org>
- 16) ICNIRP/WHO International Workshop on NIR in Medicine, Bonn, Germany, December 2, 2012, <http://www.icnirp.de/NIRmed/NIRmed.htm>

## 2.2 Future meetings

- 1) (Domestic) 2012 IEICE General Conference, Gifu, Japan, March 19-22, 2013  
[http://www.toyoag.co.jp/ieice/G\\_top/g\\_top.html](http://www.toyoag.co.jp/ieice/G_top/g_top.html)
- 2) (Domestic) 2013 IEEE General Conference, Nagoya, Japan, March 20-22, 2013  
<http://www2.iee.or.jp/ver2/honbu/03-conference/13-taikai/index.html>
- 3) 7th European Association on Antennas and Propagation (EuCAP2013), Gothenburg, Sweden, April 8-12, 2013, <http://www.eucap2013.org/>
- 4) ISMRM 21th Annual Meeting & Exhibition, Salt Lake City, USA, April 20-26, 2013  
<http://ismrm.org/13/>
- 5) 2013 International Symposium on Electromagnetic Theory (ETMS 2013), Hiroshima, Japan, May 20-23, 2013, <http://ursi-emts2013.org/>
- 6) BioEM2013, Thessaloniki, Greece, June 10-14, 2013  
<http://www.bioem2013.org/bioem2013/>
- 7) The 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'13), Osaka, Japan, 3-7 July 2013  
<http://embc2013.embs.org/index.html>
- 8) International Workshop on Electromagnetics in Medicine and Biology organized by International Union of Radio Science, Commission-K, (URSI-K WS), Paris, France, August, 2013.
- 9) 2013 Asia-Pacific Radio Science Conference, Taipei, Taiwan, September 3-7, 2013  
<http://aprasc13.ntu.edu.tw/>
- 10) (Domestic) IEICE Society Conference 2013, Fukuoka, Japan, September 17-20, 2013  
[http://www.toyoag.co.jp/ieice/S\\_top/s\\_top.html](http://www.toyoag.co.jp/ieice/S_top/s_top.html)
- 11) CIGRE 3<sup>rd</sup> International Colloquium on Low Frequency Electric and Magnetic Fields (EMF-ELF-2013), Nara, Japan, October 15-16, 2013
- 12) 10<sup>th</sup> World Congress on Railway Research, Sydney, Australia, November 25-28, 2013  
<http://www.wcrr2013.org/>
- 13) 2014 International Symposium on Electromagnetic Compatibility, Tokyo, May 20-23, 2014  
<http://www.ieice.org/~emc14/>