

Commission K (Electromagnetics in Biology & Medicine) Activity Report
March 2017 – September 2017

September 15, 2017

Koichi Ito

1 Activities

1.1 Commission K Business Meetings

- ◆ Date: August 21, 23 and 25, 2017
- ◆ Place: The venue of URSI GASS 2017, Montreal, Canada
- ◆ Topics:
 - 1) Election of New Chair, Vice-Chair, ECR (Early Career Representative)
 - Chair: Joe Wiart, France (3 years)
 - Vice-Chair: Koichi Ito, Japan (3 years as VC and then 3 years as Chair)
 - ECR: Kensuke Sasaki, Japan (6 years)
 - 2) Appointment of Technical Advisory Committee
 - Joe Wiart, France (Chair)
 - Koichi Ito, Japan (Vice-Chair)
 - Puyan Mojabi, Canada (ECR)
 - Kensuke Sasaki, Japan (ECR)
 - Masao Taki, Japan
 - Guglielmo D’Inzeo, Italy
 - Alexandre Legros, Canada
 - Lluis Mir, France
 - Tongning Wu, China
 - Niels Kuster, Switzerland
 - Vijayalaxmi, US
 - Mahta Moghaddam, US
 - 3) Appointment of RSB Associate Editor
 - Kensuke Sasaki, Japan
 - 4) Review the terms of reference

The Commission is charged with promoting research and development in the following domains (No change proposed):

 - Physical interaction of electromagnetic fields* with biological systems;
 - Biological effects of electromagnetic fields;
 - Mechanisms underlying the effects of electromagnetic fields;
 - Experimental electromagnetic fields exposure systems;
 - Assessment of human exposure to electromagnetic fields;

· Medical applications of electromagnetic fields.

* (frequency range from static to optical)

1.2 The 5th meeting of Japanese URSI-Commission K for the 23rd term of the Science Council of Japan

◆ Date: September 12, 2017

◆ Place: Setagaya campus of Tokyo City University, Tokyo

◆ Topics:

1) Prof. Jianqing Wang (Nagoya Institute of Technology) was approved as the nominee of the committee chairperson of Japanese URSI-Commission K for the 24th term of the Science Council of Japan.

2) The URSI sub-committee, Science Council of Japan, and URSI GASS 2017 were reported by Emeritus Prof. Ito.

2 Associated meetings

2.1 Past meetings

- 1) BioEM2017, Hangzhou, China, 5-9 June 2017, <<http://www.bioem2017.org/>>
- 2) IEEE MTT-S International Microwave Bio Conference (IEEE-IMBioC), Göteborg, Sweden, 15-17 May 2017, <<http://www.imbioc-ieee.org/about>>
- 3) IEEE EMBC2017, Jeju Island, Korea, 11-15 July 2017, <<http://embc.embs.org/2017/>>
- 4) Asian Electromagnetics Symposium (ASIAEM), Karnataka State, India, 23-27 July 2017, <<http://www.asiaem2017.org/index.html>>
- 5) URSI GASS2017, Montreal, Canada, 19-26 August 2017, <<http://www.ursi2017.org/>>

2.2 Future meetings

- 6) The 34th annual meeting of Japanese Society for Thermal Medicine, Kyoto, Japan, 15-16 September 2017, <<http://web.apollon.nta.co.jp/jstm34/index.html>>
- 7) AT-RASC 2018, Gran Canaria, Spain, 28 May – 1 June, 2018, <<http://www.atrasc.com/homepage.php>>
- 8) IEEE-IMBioC2018, Philadelphia, USA, 14-15 June 2018, <<https://imbioc-ieee.org/>>
- 9) BioEM 2018, Piran, Slovenia, 25-29 June 2018, <<http://www.bioem2018.org/>>
- 10) AP-RASC 2019, New Delhi, India, 9-15 March 2019, <<http://aprasc2019.com/>>