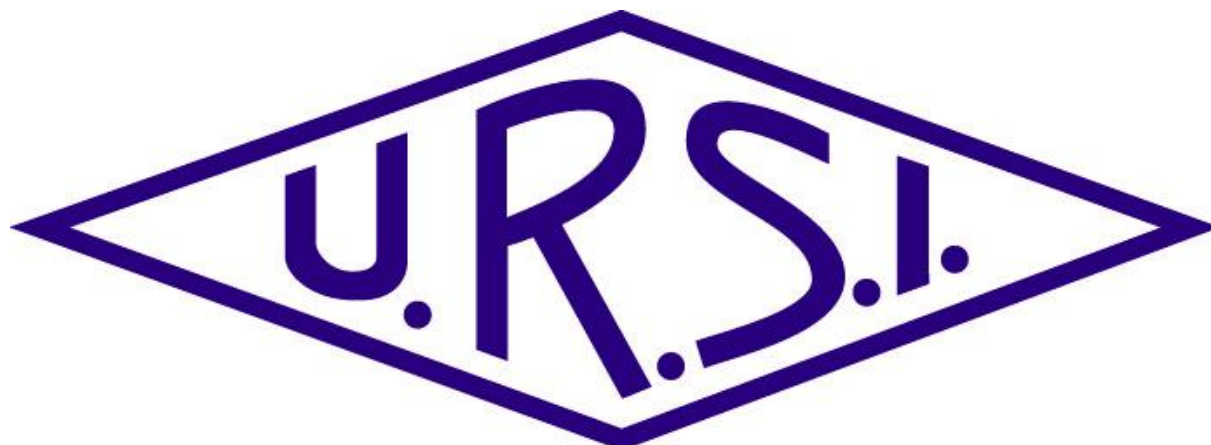


Commission K



2014 – 2017 Triennial Report

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A- Overview of the report

In the last three years, Commission K and its members have been active in:
Publishing articles in the Radio Science Bulletin,
Contributions to AT RASC and AP RASC and Sponsoring scientific meetings,
Preparing for the GASS in Montreal, Canada

B- Contributions to the Radio Science Bulletin (RSB):

Associate Editor:

Puyan Mojabi (Canada) has been served as an associate editor for RSB.

Publications in RSB:

Prof. James C. Lin (USA) has published in RSB several papers as a series of “Radio-Frequency Radiation Safety and Health”

- « Recent Activities on Radio-Frequency Exposure Guidelines » (Dec 2014)
- « Radio Frequency Exposure on Sleep EEG Patterns in Humans (June 2015)
- « Public Exposure to Radio Frequency, Microwave, and Millimeter-Wave Electromagnetic Radiation » (March 2016)
- « Minimally Invasive Transcranial Magnetic Stimulation (TMS) Treatment For Major Depression » (June 2016)
- « Potential Game Changer for Mobile-Phone Radio-Frequency Radiation Carcinogenesis » (Sept 2016)
- « The NIEHS/NTP Study to Evaluate the Toxic and Carcinogenic Potentials of Mobile-Phone RF Radiation » (Dec 2016)

C. Contributions to AT RASC and AP RASC and Sponsoring scientific meetings,

Contributions to AT RASC:

Commission K and its members have set up and contributed successfully to 6 sessions

- Five « regular » sessions
 - Biological effects (K01)
 - Electromagnetics in biomedicine (K02&K03)
 - Human body interactions with antennas and other electromagnetic devices(K04)
 - EMF methods of exposure assessment (K05)
- One KBE session
 - Stochastic methods and techniques in radio science (KBE 1 and KBE 2)

A Com K business meeting has been organized during AT RASC

Contributions to AP RASC :

Commission K and its members have set up and contributed successfully to 8 sessions

Seven « regular » sessions

- Biological Effects of EMF (1 &2)
- Exposure Assessment and EMF Standards (1 &2)
- Numerical Dosimetry (EMF Dosimetry) (1&2)
- EMFs for New Technologies

One KBE session

- EMC in Biomedical Applications

A Com K business meeting has been organized during AP RASC

Sponsoring scientific meetings

Following the URSI rules Commission K provided no financial support for other meeting than AT RASC and APRASC.

During the Com K business meeting in Beijing, it was decided to support a meeting in collaboration with BEMS during BIOEM2016 at Gent. Because of the URSI rules described above this support has been canceled

Technical support have been given to:

CEM'17 Computing and Electromagnetics International Workshop 21-24 June 2017
Barcelona, Spain

URSI-RCRS 2015 2nd URSI Regional Conference on Radio Science 16-19
November 2015 New Delhi, India

URSI-JRSM 2015 2015 URSI-Japan Radio Science Meeting 3-4 September
2015 Tokyo, Japan

IEEE Radio and Antenna Days of the Indian Ocean (RADIO)

D Preparations for GASS2017, August 2017, Montreal, Canada:

The preparation for the General Assembly in Montreal was successfully done with 19 oral “com K” sessions, a “com K” poster session and 3 joint sessions with partner Commissions, B and E.

The program of sessions lead by Commission K consists of 75 oral presentations, 1 tutorial lecture, and 34 poster presentations.

Tutorial lecture will be given by Dr E Tahera Vandetere (WHO)

E Election for the Triennium 2017-2021

Chair

The present Vice Chair, Samyoung Chung, informed , during the last year, the URSI secretariat and the com K president that he will resign. As a consequence he will not be appointed as chair.

Discussions with past chairs have been organized to find a solution. Discussions will be organized during the Montreal GASS. The proposal, to be discussed during the GASS business meeting, is: the present chair will continue during the future triennial

Election of Vice Chair

Two candidates have been nominated. The final voting will take place at the business meeting during the URSI GASS in Montreal in August 2017.

Election of Early Career Representative

Two candidates have been nominated. The final voting will be done at the same business meeting as the Vice-chair election.