

# Commission Report on GASS Commission Business Meetings

## Commission K

prepared by Joe Wiart (Chairperson 2014–2017)

### 1. Results of Election of Vice Chair

During the 2014 GASS, the candidates for Commission K Vice Chair were Samyoung Chung (South Korea) and Gianluca Lazzi (USA). Dr. Samyoung Chung was elected as Vice Chair of URSI Commission K. He works for the National Radio Research Agency in the Ministry of Science, ICT, and Future Planning in South Korea as an Acting Director. He is in charge of the EMF exposure regulation and measurement methods. Since 2008, he has been involved in the ITU-T SG5 as a Vice Chair.

### 2. Results of Election of Early Career Representative

During the 2014 GASS, the candidates for the Early Career Representative (ECR) were Puyan Mojabi (Canada), Heba Ahmed Shaban (Egypt), Martin O'Halloran (Ireland), and Sachiko Yamaguchi-Sekino (Japan). Dr. Puyan Mojabi was elected as ECR for URSI Commission K. He is an Assistant Professor in the Department of Electrical and Computer Engineering at the University of Manitoba, Winnipeg, Manitoba, Canada. His current research interests include microwave biomedical imaging, electromagnetic field measurements, and environmental remote sensing.

### 3. Appointment of Associate Editor for *Radio Science Bulletin*

During the URSI GASS 2014 Beijing, Dr. Puyan Mojabi was elected as an Associate Editor for the *Radio Science Bulletin*. Puyan also serves as an Early Career Representative of Commission K.

### 4. Updates/Status of Working Groups

During the URSI GASS 2014 Beijing, URSI Commission K decided to create a working group dedicated to “Stochastic Modeling for Exposure Assessment.” The conveners of this working group are Joe Wiart (France) (wiart@telecom-paristech.fr), and Tongning Wu, China (CIE) (wutongning@emcite.com).

### 5. Updates to Terms of Reference of Commission K

The last revision of the terms reference of Commission K was in 2008, during the GASS in Chicago in 2008. During the URSI GASS 2014, it was decided to keep the terms reference of Commission K as they were.

### 6. Meetings Proposed to be Supported in the Coming Triennium

In the coming triennium, it was decided during the Commission K business meeting to support a meeting in Ghent (around BioEM 2016 in Belgium).

## **7. Report and Comments on the Scientific Program of the Commission for the Current GASS**

10 regular sessions were organized during the GASS. In addition to these sessions, one common session with AE (KAE), two with B (KB), two with B and E (KBE), one with E (KE), and one with C and D (CDK) were organized. These sessions showed a relative decrease of research dedicated to the sanitary impact of RF emitted by mobile phones, even if the dosimetry dedicated to compliance tests or epidemiological studies is still an important domain. The sessions have shown the importance of potential application of radio science in medical applications. The discussions during the sessions demonstrated the importance of uncertainty management, and led to a session working group dedicated to “Stochastic Modeling for Exposure Assessment” being proposed. The seven common sessions over the 17 also showed the importance of common work with other URSI Commissions.

## **8. Proposed Sessions for the Next GASS**

The sessions that will be organized for the next GASS will have to take into account the importance of joint sessions. However, no specific sessions have been proposed for the next GASS, since the discussion was mainly on the proposed sessions in AT-RASC.

## **9. Proposed Sessions for the AT-RASC**

The AT-RASC symposium was intensively discussed during the Commission K business meeting. On the one hand, it is a new symposium that is in competition with others, even if the URSI framework gives to AT-RASC a good opportunity to share interdisciplinary work. AT-RASC is “open,” so no regular sessions have been proposed, since they are not relevant. Since RF exposure and uncertainty management are important topics, it was decided during the Commission K business meeting to support and propose two special sessions on these aspects.

## **10. Other Business**

None.

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