

Commission Report on GASS Commission Business Meetings

Commission C

prepared by Sana Salous (Chair 2014-2017)

1. Results of Election of Vice Chair

Two distinguished candidates were nominated for the position of Vice Chair: Prof. Amir Zaghoul from Virginia Tech in the US, and Prof. Said El-Khamy from Alexandria University in Egypt. Both candidates were present at the meeting, and gave a statement about their vision of URSI in general, and Commission C in particular. Collecting the votes received by e-mail as well as those expressed at the meeting, the count was in favor of Prof. Amir I. Zaghoul to act as the new Commission C Vice Chair.

2. Results of Election of Early Career Representative

Three candidates were nominated for the Early Career Representative (ECR): Ms. Noha Ossama

El-Ganainy, from the Arab Academy of Science and Technology, Egypt; Mr. Ruisi He, from the Universite Catholique de Louvain, Belgium; and Dr. Hongjian Sun, from Durham University, UK. Ruisi He was present at the meeting, and presented himself and his view of his role as ECR. Collecting the votes received by e-mail as well as those expressed at the meeting, the count was in favor of Ruisi He, who will act as Commission C's ECR.

3. Appointment of Associate Editor for Radio Science Bulletin

Both Prof. Amir Zaghoul and Prof. Said El-Khamy were appointed as Associate Editors to cover the diverse topics of Commission C.

4. Updates/Status of Working Groups

Commission C currently has no working groups.

5. Updates to Terms of Reference of Commission

The terms of reference were reviewed, and it was agreed that they continue to be appropriate and representative of Commission C. No changes were therefore made.

6. Meetings Proposed to be Supported in the Coming Triennium

For a number of years, Commission C has organized the International Symposium on Signals Systems and Electronics (ISSSE). It is proposed to continue supporting this main conference of Commission C.

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

In the GASS 2014, Commission C received an exceptionally large number of papers: in excess of 200 papers, covering all of the various areas of the Commission. This reflects the expansion in wireless communication systems, information theory, radar technology, and signal processing. The Commission is pleased to announce that its nominee, Prof. Dr. H. V. Poor, USA, was awarded the Issac Koga Gold Medal.

8. Proposed Sessions for the Next GASS

A number of sessions are planned for the next GASS. Topics include information theory and coding; distributed radar; energy harvesting and green communications; massive multiple antenna technology for future wireless communications; mm-wave communications for small cells and backhaul and indoor access; multi-tier multi-frequency networks; radio localization techniques: satellite, indoor, in tunnels, autonomous; circuit technologies for mobile communications; signal processing for cognitive radio; challenges and advances of carrier aggregation below 6 GHz; resource allocation; and remote sensing.

9. Proposed Sessions for the AT-RASC

The Commission's ISSSE conference is collocated with the AT-RASC, where open and invited special sessions are organized. Topics include 5G, information theory and coding, multiple antenna technology, cognitive radio, green communication, and energy harvesting. In addition, a number of joint sessions were organized with Commissions D and F. The ISSSE will run for three days, May 19-21. The symposium is sponsored by URSI, with technical sponsorship from the IET.

10. Other Business

None.

Chair: Prof. Sana Salous

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Vice Chair: Prof. Amir Zaghloul

US Army Research Laboratory and

Virginia Tech, Bradley Department of Electrical and Computer Engineering

Early Career Representative: Dr. Ruisi He

Associate Professor, State Key Laboratory of Rail Traffic Control and Safety, Beijing

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