



**Report on the Business Meetings of
Commission C
during the
XXXth URSI General Assembly and Scientific
Symposium
Istanbul, Turkey, August 13-20, 2011**

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1. URSI Commission C @ General Assembly in Istanbul

The Commission had two open business meetings on 15th and 17th, August 2011. The following persons were present at least at one meeting, but mostly at both:

Prof. A.J. PARFITT
Prof. B.B. SHISHKOV
Dr. J. PALICOT
Dr. W. MATHIS
Dr. M. O'DROMA
Prof. M. LUISE
Prof. K. ITOH
Dr. A.B. SHMELEV
Prof. S. SALOUS
Dr. D. PALMER.
Prof. T OHIRA
Prof. A. SIBILLE

At the opening of the first business meeting, the Chair welcomed everyone to the meeting and attendees introduced themselves.

2. Election of the next Vice-Chair

Six candidates were nominated for the position : Jacques Palicot (France), Erdal Panayirci (Turkey), Sana Salous (UK), Naoki Shinohara (Japan), Angela Slavova Popivanova (Bulgaria), Ran Tao (China). Considering the votes received by e-mail and the votes of the persons atg the meeting, Mrs. **Sana Salous** was elected.

3. Commission Editor for the new Radio Science Bulletin

Sana Salous indicated his willingness to serve as Commission Editor for the RSB for the next triennium.

4. Review of the Last Triennium

The chair reported the activity of Commission C in this triennium as follows:

4.1 International Events Sponsored by URSI/URSI-C

1. URSI General Assembly (URSI-GA2011), Istanbul, Turkey, website <http://www.ursigass2011.org/>
2. International Symposium on Signals, Systems, and Electronics ISSSE2010, Nanjing, China, <http://www.emfield.org/issse2010/>
3. Asia-Pacific Radio Science Conference AP-RASC 2010, Toyama, Japan <http://www.ap-rasc10.jp/>

4.2 Website

<http://www.ursi.org/en/commission.asp?com=C>

4.3 Radio Science Bulletin (RSB)

Under the Associate Editorship of Marco Luise, the following papers were published:

- [1] O. Julien, C. Macabiau, J.-L. Issler, "*Structure and Performances of the Future Galileo Civil Signals*", RSB330, Sept. 2009.
- [2] A. Abrardo and G. Ferrari, "*A Perspective on Distributed Radio Systems with Cooperative Coding*", RSB330, Sept. 2009.
- [3] N. Noels, P. Ciblat, and H. Steendam, "*Overview on Performance Lower Bounds for Blind Frequency Offset Estimation*", RSB335, Dec. 2010.
- [4] J. Pérez-Romero, D. Noguét, M. López-Benítez, F. Casadevall, "*Towards a more efficient spectrum usage: Spectrum Sensing and Cognitive Radio techniques*", RSB336, March 2011.

4.4 Update of *Terms of Reference*

The Commission promotes research and reviews new development in :

- (a) Information Theory, Coding, Modulation and Detection
- (b) Spectrum and Medium Utilization, including cognitive and cooperative techniques
- (c) Wireless networking
- (d) Radar, radio localization and navigation systems
- (e) Green, energy-efficient radio communications

The design of effective radio-communication systems must include scientific, engineering and economic considerations. This Commission emphasises research into the scientific aspects, and provides enabling technologies to other areas of radio science.

5. Role of National Representatives of "C"

Further enhancement of the national and international activity of Commission C should strongly be prompted for the next triennium. While National Representatives are desired to have close contact with Commission C, Commission C also is encouraged to try to cooperate with radio scientists in each country in parallel to National Representatives

6. Plan for the Next Triennium

6.1 Meetings and Symposia

1. General Assembly (URSI-GA2014) August 2014, Beijing, China
2. International Symposium on Signals Systems and Electronics – Organized by Rolf Kraemer in Potsdam, Germany. The idea is to anticipate the ISSSE to 2012 so that Commission C will have one flagship event per year: ISSSE in '12, AP-RAS in '13 (see below) and GASS in '14, and so forth for the next triennia.

3. Asia-Pacific Radio Science Conference (AP-RASC 2013) – Organized by K. Kobayashi in Taipei, Taiwan.
4. An initiative with Commission F (propagation), Prof. Lang, for a possible joint meeting in Ottawa, CA.

6.2 Website

Restructuring of C's website with more visibility for national events

6.3 Radio Science Bulletin (RSB)

The commission continues to contribute to RSB.

Sana Salous, Associate Editor, will call for papers so as to obtain 2 Bulletin Reviews per year.

6.4 Development of New National Members

Through our activities, the commission is willing to recruit new national members.

7. National Representatives Roster

We report in the following table the list of the National representatives of commission C. Possible changes have to be reported to the current Commission C chair, Marco Luise.

| | |
|----------------|-----------------------|
| ARGENTINA | Prof. A. QUIJANO |
| AUSTRALIA | Prof. A.J. PARFITT |
| AUSTRIA | Prof. S.J. BAUER |
| BELGIUM | Prof. L. VANDENDORPE |
| BRASIL | Prof. M.S. de ALENCAR |
| BULGARIA | Prof. B.B. SHISHKOV |
| CANADA | Mr. C. DESPINS |
| CHILE | Dr. R. FEICK |
| CHINA (CIE) | Dr. R. TAO |
| CHINA (SRS) | Dr. Y-K TU |
| CZECH REPUBLIC | Prof. D. BIOLEK |
| DENMARK | Dr. K.J. LARSEN |
| EGYPT | Prof. S.E. ELKHAMY |
| FINLAND | Prof. R. WICHMAN |
| FRANCE | Dr. J. PALICOT |
| GERMANY | Dr. W. JOHN |
| GREECE | Prof. N. KALOUPSIDIS |
| HUNGARY | Dr. L. NAGY |
| IRELAND | Dr. M. O'DROMA |
| ISRAEL | Dr. S. LITSYN |
| ITALY | Prof. M. LUISE |
| JAPAN | Dr. K. ITOH |
| JAPAN | Prof. T. OHIRA |
| NETHERLANDS | Dr. Ir. M.J. BENTUM |
| NEW ZEALAND | Dr. P.T. GOUGH |
| NIGERIA | Prof. M. ONUU |
| NORWAY | Prof. B. FORSSELL |
| PERU | Prof. D. CHAVEZ |
| POLAND | Prof. M. PIEKARSKI |
| PORTUGAL | Prof. Dr. J.N. LEITAO |
| RUSSIA | Dr. A.B. SHMELEV |
| SLOVAKIA | Prof. P. FARKAS |

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|----------------|-----------------------|
| SOUTH AFRICA | Dr. D.D. MASHAO |
| SPAIN | Prof. M. SIERRA PEREZ |
| SWEDEN | DR. E. ENGLUND |
| SWITZERLAND | Prof. M. RUBINSTEIN |
| TURKEY | Dr. E. PANAYIRCI |
| UKRAINE | Prof. V.V. DANILOV |
| UNITED KINGDOM | Prof. S. SALOUS |
| USA | Dr. D. PALMER |