



International Union of Radio Science U.S. Commission B

S. Rengarajan, Chair
J. Volakis, Vice-Chair
J. Simpson, Secretary

Please reply to:

MINUTES Commission B Business meeting

2013 URSI Meeting Boulder, CO, USA Jan. 10, 2013

1. Meeting called to order at 5:00 pm.
2. Chair Sembiam Rengarajan welcomed the members and guests.
3. The minutes of the business meeting held in Chicago, IL in July 2012 was approved.
4. Website Information
USNC-B: <http://www.ece.uic.edu/~URSICommB/>
Minutes from the Business Meetings (back to 1997) are there.
Other links:
USNC: <http://www.usnc-ursi.org/>
International URSI-B: <http://www.ursi.org/B/index.htm>
International URSI: <http://www.ursi.org/>

5. Announcements:

Officers of various URSI offices for the triennium 2012-2014 were reviewed.
USNC Commission B:

Sembiam Rengarajan (chair)

John Volakis (vice-chair)

Jamesina Simpson (secretary)

Sharad Laxpati (webmaster)

Sharaa Elarabi (webmaster),
Edward Rothwell (membership)

Edward Rothwell (membership),
Christos Christodoulou (technical)

Christos Christodoulou (technical activities) /URSI:

USNC/URSI.

Chair: Steven C. Reisling
Past Chair: Yahya Rahm

Fast-Chall. Tallya Kalimat-Salim

Secretary and Chair-Elect: David Jackson
Accounts Manager: Gary Brown
URSI International Commission B
Chair: Giuliano Manara (Italy)
Vice-Chair: Ari Sihvola (Finland)
URSI International:
President: Phil Wilkinson (Australia)
Past-President: François Lefeuvre (France)
Vice Presidents:
Subra Ananthakrishnan (India)
Makato Ando (Japan)
Paul Cannon (UK)
George Uslenghi (USA)
Secretary-General: Paul Lagasse (Belgium)
Asst. Secretary-General (Publications): Ross Stone (USA)

6. Future meetings
 - 2013 URSI EM Theory Symposium, Hiroshima, Japan, May 20-23, 2013 (submission deadline Nov. 15, 2012)
 - IEEE AP-S/URSI, Orlando FL July 7-13, 2013 (paper submission deadline Jan. 15, 2013)
 - XXXI URSI General Assembly and Scientific Symposium, Beijing, China, August, 2014.
 - USNC-URSI National Radio Science Meeting, Boulder, CO, Jan. 7-11, 2014.
 - Additional future meetings may be found on the AP-S and URSI websites.
(<http://www.ieeeaps.org/> and <http://www.ursi.org/>)
7. Ross Stone announced that the 5th IEEE International Symposium on Microwave, Antenna, Propagation, and EMC Technologies for Wireless Communications (MAPE 2013) in Chengdu, China (Oct. 29-31, 2013) is close in location and time to the 2013 International Symposium on Antennas and Propagation (ISAP 2013) to be held in Nanjing, China on Oct. 23 – 25, 2013. Some people may wish to attend both conferences. Also, he noted that Chengdu is a wonderful place to see panda bears.
8. Special announcements from USNC:
 - a. The new deadline for authors to submit their copyright forms for the 2013 National Radio Science Meeting is Friday, Jan. 18 (changed from Jan. 11). This new deadline will be a firm deadline. Steve Reising has already sent out instructions to authors who have not yet submitted it.
 - b. The 2014 National Radio Science Meeting (NRSM) will take place on Jan. 8-10, 2014. There will not be a NRSM in 2015, since there will be a North American Radio Science Meeting in 2015, in Vancouver, British Columbia, Canada.
9. Items that required Commission Input:
 - a. We voted to participate in the 2014 IEEE AP-S/URSI meeting in 2014 in Memphis, TN.

- b. Plenary Session topic suggestions: Telemedicine (B/K), Smart Grid (A/E), ALMA/THz Electronics (J/B)
- c. We voted to permit the National Academies to host the website for our Commission.
- d. Jamesina Simpson volunteered to serve as the USNC website liaison

10. Report of Technical Activities Committee

Members

Shanker Balasubramanian - Michigan State
Hossein Mosallaei - Northeastern Univ.
Erdem Topsakal - Mississippi State Univ.
Christos Christodoulou (Chair) – University of New Mexico
Manos Tentzeris - Georgia Tech

Christos Christodoulou presented the Technical Activities Committee report. There were 4 Commission B-related special sessions in Boulder this year (same as last year), 13 total Commission B-related sessions (same as last year), and 87 Commission B-related papers (there were 99 last year). Special session ideas for Boulder 2014 include: Biophotonics (B/K), THz Electronics (J/B), Advances for Human Body Modeling for Sensing (B/K), and sessions dedicated to reviews.

For more details, please view the slides from Christos attached below.

11. Report of the Membership Committee.

Members

Ed Rothwell (Chair) – Michigan State University
George Hanson – University of Wisconsin -- Milwaukee
Kathleen Melde – University of Arizona
Don Wilton – University of Houston

There were no nominations to consider. Please nominate your colleagues and students. To become an associate member, 2-3 journal publications are required and at least one URSI presentation (in B).

12. The lack of nominations raised some ideas on how to attract more participation in our Commission, particularly from younger generations, such as inviting all of the student travel participants to Commission meetings and nominating students to the level of Associate Member.

13. There was a discussion on whether we should start allowing a funding acknowledgement at the end of URSI abstracts. Questions were raised as to whether an acknowledgement would dilute the abstract or whether the National Academies requires that there be no acknowledgement.

14. Old Business: None.

15. New Business: None.

16. Adjourned at 5:50 pm.

Guests in Attendance

Xichen Guo (University of Houston), Dawei Li (University of Houston), Xiyao Xin (University of Houston), Francesca Vipiana (Politecnico di Torino, Italy), Branislav Notaros (Colorado State University), Meysam Moallem (University of Michigan), Kamal Sarabandi (University of Michigan), Kyle Browning (BYU), Binh (ben) Tram (BYU), Yonghyun Shim (University of Michigan), Sangjo Choi (University of Michigan), Juseop Lee (Korea University)

Members in Attendance

Prof. Sembiam Rengarajan, Prof. Christos Christodoulou, Prof. Jamesina Simpson, Prof. Filippo Capolino, Prof. Danilo Erricolo, Prof. Edward Kuester, Prof. Roger Lang, Prof. Majid Manteghi, Prof. Yahya Rahmat-Samii, Prof. Kubilay Sertel, Dr. Ross Stone, Prof. Piergiorgio Uslenghi, Prof. John Volakis, Dr. Karl Warnick, Dr. Wasyl Wasylkiwskyj, Dr. James Breakall, Dr. Gary Brown, Dr. William Davis, Dr. Christopher Holloway, Dr. Gregory Huff, Prof. David Jackson, Dr. Eric Mokole, Prof. Donald Wilton

Respectfully submitted by
Jamesina Simpson
Secretary



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USNC Commission-B Business Meeting

Thursday, January 10, 2013
5:00 – 6:00 p.m.
Room 1B40

2013 USNC-URSI National Radio Science Meeting,
Boulder, CO, January 8-12, 2013



AGENDA

USNC Commission-B
Business Meeting

- Welcome to members and guests
- Approval of the minutes of the Chicago meeting, July 2012

CHAIR REPORT

COMMITTEE REPORTS

- Technical Activities Report (Christos Christodoulou/John Volakis)
- Membership Committee (Edward Rothwell)

- Old business
- New business
- Adjourn



Chair Report

USNC Commission-B
Business Meeting

USNC-B Officers 2012-2014

Chair: Sembiam Rengarajan

Vice-Chair: John Volakis

Secretary: Jamesina Simpson

Chair, TAC: Christos Christodoulou

Chair, Membership Committee: Edward Rothwell

USNC-B Webmaster: Sharad Laxpati



Chair Report

USNC Commission-B
Business Meeting

USNC Officers 2012-2014

Chair: Steven C. Reising

Past-Chair: Yahya Rahmat-Samii

Secretary and Chair-Elect: David Jackson

Accounts Manager: Gary Brown



Chair Report

USNC Commission-B
Business Meeting

International URSI-B Officers 2012-2014

Chair: Giuliano Manara (Italy)

Vice-Chair: Ari Sihvola (Finland)



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Business Meeting

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President: Phil Wilkinson (Australia)

Past-President: François Lefeuvre (France)

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Chair Report

USNC Commission-B
Business Meeting

Upcoming URSI Meetings

2013 URSI EM Theory Symposium, Hiroshima, Japan, May 20-23, 2013.

IEEE AP-S/URSI, Orlando, FL, July 8- 14, 2013 (paper submission deadline Jan. 15, 2013).

USNC-URSI National Radio Science Meeting, Boulder, CO, Jan. 7-11, 2014

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Chair Report

USNC Commission-B
Business Meeting

Other Meetings

European Conference on Antennas & Propagation (EuCAP 2013)
8-12 April 2013, Gothenburg, Sweden. <http://www.eucap2013.org/>

2013 Asia-Pacific Radio Science Conference (AP-RASC 13)
3-7 September 2013, Taipei, Taiwan. **Abstracts: 28 February 2013.** <http://aprasc13.ntu.edu.tw>.

ICEAA 2013/IEEE APWC 2013/EMS 2013
International Conference on Electromagnetics in Advanced Applications
IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications
Electromagnetic Metrology Symposium
9-13 September 2013, Torino, Italy. **Abstracts: 1 March 2013.**



Chair Report

USNC Commission-B
Business Meeting

Other Meetings

**5th IEEE International Symposium on Microwave, Antenna,
Propagation, and EMC Technologies For Wireless Communications
(MAPE 2013)**

29-31 October 2013, Chengdu, China. (**Papers: 31 June 2013**). <http://mape.emclab-bjtu.com>

XXXIst URSI General Assembly and Scientific Symposium
16-23 August 2014, Beijing, China (CIE).

FUTURE AP-S/USNC-URSI SYMPOSIA

6-12 July 2014, Memphis, TN

19-25 July 2015, Vancouver, BC, Canada (North American Radio Sci. Mtg)

2016, San Juan, Puerto Rico.

2017, San Diego, CA



Chair Report

USNC Commission-B
Business Meeting

Announcements from USNC

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Chair Report

USNC Commission-B
Business Meeting

Items that require Commission discussion and/or input

1. Will your Commission participate in the 2014 IEEE AP-S/URSI Meeting to be held in Memphis, TN, during July 6-12, 2014?

We already passed a motion last year for our participation in all APS summer meetings in this triennium.



Chair Report

USNC Commission-B
Business Meeting

Items that require Commission discussion and/or input

2. Does your Commission have suggestions for Plenary Session topics that your Commission can lead along with another Commission? Topics should be timely and with potential for broad appeal among many URSI Commissions. Note: This does not apply to Commissions (C, F, G, H), since they were recently involved with organizing plenary sessions.

- **Telemedicine (B and K)**
- **Smart Grid (A and E)**
- **ALMA / THz Electronics (J and D)**



Chair Report

USNC Commission-B
Business Meeting

Items that require Commission discussion and/or input

3. The National Academies has offered to host websites for all of the Commissions, in order to maintain a consistent format. Is your Commission okay with this, or do you prefer to host your own website?



Chair Report

USNC Commission-B
Business Meeting

Items that require Commission discussion and/or input

4. USNC-URSI is looking for a volunteer who is willing to serve in the role of “USNC website Liaison.” This person will act as a focal point for collecting input from our members about changes that need to be made to the USNC-URSI website, and will also monitor the website periodically themselves, and report any changes that need to be made to Ana Ferreras at the National Academies. The volunteer will not be making changes directly to the website, and therefore does not have to have web editing skills.



Committee Report

USNC Commission-B
Business Meeting

Technical Activities Report: Christos Christodoulou



Committee Report

USNC Commission-B
Business Meeting

Membership Committee: Ed Rothwell

No membership nominations received this time.

We need your help to recruit your colleagues and recent graduates.



Chair Report

USNC Commission-B
Business Meeting

- ❖ Old Business?
- ❖ New Business?
- ❖ Adjourn



URSI Commission-B

Special Sessions & Paper Stats

January 9-12, 2013
Boulder, Colorado

Christos Christodoulou
University of New Mexico

2013 URSI Boulder Commission-B Special Sessions (3 total)

Session Title	Number of papers	URSI Commission	Organizers
Sensors for Independent Living	5	B/K joint	Erdem Topsakal John Volakis
Cognitive Radio and Radar	6	B/C joint	Amir Zaghloul Christos Christodoulou
Biophotonics	10	B/K Joint	Ilker Capoglu Jamesina Simpson
Developments in Array Technology for Radio Astronomy	11	B/J	Karl Warnick John Volakis

All 2013 URSI-B Boulder Sessions

Session Title	Number of papers	URSI Commission	Chairs or Organizers
Complex Media	10	B	Kubilay Sertel Filippo Capolino
Antenna Arrays	5	B	Yahya Rahmat-Samii Karl Warnick
Antenna Theory, Design and Measurement	10	B	John Volakis Sembiam Rengarajan
Numerical Methods	10	B	Branislav Notaros Donald Wilton
Inverse Scattering	5	B	Kamal Sarabandi Danilo Erricolo
Wideband Antennas	5	B	Dejan Filipovic Gregory Huff
Electromagnetic Theory	10	B	David Jackson Piergiorgio Uslenghi

2013 URSI-B Joint Sessions at Boulder

Session Title	Number of papers	URSI Commission	Organizers
Sensors for Independent Living	5	B/K	Erdem Topsakal John Volakis
Cognitive Radio and Radar	6	B/C	Amir Zaghloul Christos Christodoulou
Biophotonics	10	B/K	Ilker Capoglu Jamesina Simpson
Developments in Array Technology for Radio Astronomy	11	B/J	Karl Warnick John Volakis

2012 URSI Boulder Summary

	Number of Sessions	Number of Papers
URSI Commission-B Total	10 (B) 1 (A/B joint) 2 (K/B joint) <hr/> 13 (Total)	76 5 18 <hr/> 99
URSI Total (All Commissions)	46	372

2012 URSI B Papers (Boulder, Colorado), attendance:

Total Papers (including joint) in all Sessions: 372 (99 URSI B, including Joint)

URSI B only papers : 76

Papers in joint sessions: 23

2013 URSI Boulder Summary

	Number of Sessions	Number of Papers
URSI Commission-B Total	7 (B) 1 (C/B joint) 1 (J/B joint) <u>2 (K/B joint)</u>	55 6 11 <u>15</u>
	13 (Total)	87
URSI Total (All Commissions)	47	368

2013 URSI B Papers (Boulder, Colorado), attendance:

Total Papers (including joint) in all Sessions: 368 (87 URSI B, including Joint)

URSI B only papers : 55

Papers in joint sessions: 32

USNC-URSI National Radio Science Meeting

Special Sessions since 2010

	2010	2011	2012	2013
	3	9	4	4