



# International Union of Radio Science    U.S. Commission B

D. R. Jackson, Chair  
N. Engheta, Vice-Chair  
S. Rengarajan, Secretary

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**MINUTES      Commission B Business meeting**  
2008 IEEE APS and USNC-URSI Radio S  
San Diego, CA  
July 10, 2008

1. Chair D. R. Jackson called the meeting to order at 17:30 hrs. He welcomed all members and guests. The attendance lists are provided at the end of the minutes.
2. The minutes of the January 3, 2008 meeting of USNC Commission B held at Boulder, CO were approved.

## Chair's Report

3. The chair showed the list of USNC/Commission B officers, USNC officers, International URSI B officers, and International URSI officers. The officers are listed in the websites given below. The USNC Commission B website also contains the minutes of the meetings dating back to 1997.

<http://www.ece.uic.edu/~URSICommb/> (USNC Commission B website)

<http://www.usnc-ursi.org/> (USNC website)

<http://www.ursi.org/B/index.htm> (Intl. URSI Commission B website)

<http://www.ursi.org/> (Intl. URSI website)

**4. Upcoming meetings of importance to commission B members are:**

- URSI General Assembly, Chicago, IL, Aug. 7-16, 2008.  
(<http://www.ece.uic.edu/2008ursiga/>)
- National Radio Science Meeting, Boulder, CO, Jan. 5-8, 2009.
- IEEE AP-S/URSI Symposium, Charleston, SC, May 31 - June 6, 2009.
- USNC/URSI National Radio Science Meeting, Boulder, CO, 2010
- AP-S/URSI Meeting, Toronto, Ontario, Canada, July 10 – 17, 2010
- URSI Electromagnetic Theory Symposium, Berlin, Germany, 2010

Additional future meetings may be found on the AP-S website (<http://www.ieeeaps.org/> as well as the URSI websites listed above.

**5. Notes on 2008 URSI General Assembly in Chicago, IL:**

- The program is now on the conference website.
- The URSI GA does not come to the U.S. very often (this is the fourth time in its history) – we need to make a good showing!
- There will be a student paper contest (run by Steve Reising). Five awards will be made. The contest will be on Friday, Aug. 8. Please attend if possible.
- There will be two large poster sessions, on Tuesday and Thursday, in addition to the oral sessions.
- We are in need of a volunteer to represent Intl. Comm. B for the judging of the student paper contest at the URSI GA (the chair and vice-chair of Intl. Comm. B have scheduling conflicts and cannot attend on Friday, the day of the contest).

Note: Danilo Erricolo volunteered to do this during the meeting.

**6. USNC-B Vice Chair Election**

- The two candidates were Sembiam Rengarajan, and John Volakis.
- The election process resulted in a tie: each candidate received 27 votes.
- It was decided to have each candidate serve consecutively, going by alphabetical order by last name: Sembiam Rengarajan: vice chair, 2009-2012 chair, 2012-2015. John Volakis: vice chair, 2012-2015, chair, 2015-2018.

Note: Nader Engheta will serve as chair 2009-2012.

**7. EM Theory Symposium 2013**

There are two candidate cities: Hiroshima, Japan, and Toulouse, France

- USNC-B members voted in favor of Hiroshima by 17-13.
- This result has been communicated to Lot Shafai, Chair of Intl. Comm. B.
- At the General Assembly the final venue will be decided.
- Lot Shafai (chair of Intl. Comm. B) proposes that if the vote at the URSI GA is close, the two venues both be chosen as consecutive venue locations, with the one receiving the most votes going first.

Note: EMT 2010 will be held in Berlin, Germany.

## **Committee Reports**

**8.** S. Hagness presented the membership committee report. The committee members are L. Kempel, K. Melde, D. R. Wilton and S. Hagness (chair).

There was a brief review of qualifications for membership.

The present guidelines for membership are as follows:

- Associate Member
  - 1-2 single-author articles with 2-3 publications overall
  - two URSI presentations (at least one in Commission B)
- Full Member
  - 3-4 single-author articles with 5-6 publications overall
  - three URSI presentations (at least two in Commission B)

There were three nominations. Dr. Hsueh-Yuan Pao (Lawrence Livermore National Laboratory) was nominated for advancement from Associate Member to Full Member. Dr. Bradley Perry (MIT Lincoln Laboratory) and Dr. Vitaliy Lomakin (University of California, San Diego) were nominated for Full Membership. All three nominations were approved unanimously.

**9.** J. L. Volakis, the chair of the Technical Activities Committee presented a report. He reviewed the URSI B sessions in the San Diego meeting. There were 337 papers in all commissions whereas Commission B papers totaled 201. There were 25 B-only sessions and nine sessions that were joint with Commission B. Among the special sessions there were six AP, two Commission B, and six joint AP/B sessions. He also presented year-to-year statistics. Volakis stated that in general the ratio of Commission B papers to the AP papers remained steady with a slight decline this year because of separate summer meetings for AP-S and URSI in 2007, and perhaps the closeness of this year's summer meeting to the URSI General Assembly.

**10.** Old Business: None

**11.** New Business:

There was a discussion to drop the single-author requirement in the qualification for membership in USNC commission B. The nomination committee was asked to come up with revised guidelines for qualifications for membership. It was also recommended that we propose to USNC that they likewise re-evaluate their guidelines.

**12.** The meeting was adjourned at 18:30 hours.

### **Guests in Attendance**

Larry Bacon, Nader Behdad, Filippo Capolino, William Coburn, Jim Downey, Roberto Graglia, Richard Hodges, Stefano Maci, Bradley Perry, Michael Saville, Lot Shafai, Dan Stancil, Guido Valerio, Steven Weiss

### **Members in Attendance**

Prof. Carl E. Baum, Dr. Gary S. Brown, Dr. Gerald Burke, Dr. Kendall Casey, Dr. Nathan J. Champagne, Dr. William A. Davis, Dr. Robert Dybdal, Dr. Atef Z. Elsherbeni, Prof. Danilo Erricolo, Prof. Levent Gurel, Prof. Susan C. Hagness, Prof. David R. Jackson, Prof. Michael A. Jensen, Dr. William A. Johnson, Prof. Leo C. Kempel, Dr. Ahmed Kishk, Dr. Joseph D. Kotulski, Prof. Edward F. Kuester, Prof. Stuart A. Long, Dr. Robert J. Mailloux, Dr. Ronald J. Marhefka, Prof. Kathleen Melde, Prof. Raj Mittra, Dr. Kenneth M. Mitzner, Prof. Hossein Mosallaei, Dr. Ronald J. Pogorzelski, Prof. Sembiam R. Rengarajan, Dr. Edward J. Rothwell, Dr. Balasubramaniam Shanker, Dr. Jamesina Simpson, Prof. John L. Volakis, Prof. Daniel Weile, Dr. Douglas H. Werner, Prof. Donald R. Wilton, Dr. Amir I. Zaghloul, Prof. Richard W. Ziolkowski

Respectfully submitted by  
Sembiam R. Rengarajan  
Secretary