



International Union of Radio Science U.S. Commission B

Please reply to:

P. L. E. Uslenghi, Chair
R. J. Pogorzelski, Vice-Chair
S. R. Laxpati, Secretary

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MINUTES Commission B Business meeting

AP-S/URSI International Symposium
San Antonio, TX
June 17, 2002

1. Chair P. L. E. Uslenghi called the meeting to order at 17:00 hrs. He welcomed all members and guests. Attendance list is provided at the end of the minutes.
2. The minutes of the January 9, 2002 meeting of Commission B held at Boulder, CO were approved.

Report from the Chair

3. Professor Uslenghi reported that Professor Y. T. Lo passed away on May 10, 2002. A moment of silence was observed in his honor. Professor W. C. Chew made the announcement that a memorial fund is being set up. Individuals interested in contributing should contact him.
4. Chair announced that a check in support of travel to participate is in mail for those members who are attending the General Assembly in Maastricht.
5. Professor David Jackson was elected Vice-Chair for the Commission for the next triennium.
6. Following future meetings were noted.

27 th URSI General Assembly	Maastricht, NL	August 17 – 24, 2002
<i>No boulder meeting in January 2003</i>		
APS/North American Radio Science	Columbus	June 23-27, 2003
National Radio Science	Boulder	January 2004
URSI EM Theory Symposium	Egypt	May 2004

APS/URSI	Monterey	June 20-25, 2004
National Radio Science	Boulder	January 2005
APS/URSI	Washington, DC	July 5-9, 2005
28 th URSI General Assembly	TBA	Summer 2005
National Radio Science	Boulder	January 2006
APS/URSI/AMEREM	Albuquerque	June 2006
APS/URSI	San Diego	2008

7. AP-S ADCOM approved its symposium meeting to dovetail with MTT symposium in Hawaii in 2007. However, URSI meeting was approved for Ottawa. One solution is to invite Canadian URSI to join USNC in Hawaii and postpone the planned 2007 joint meeting to 2009. In that case, the approval for Ottawa in 2009 would be automatic.

Committee Reports

8. R. Pogorzelski, Chair of the Membership Committee presented the committee report. The committee members are J. W. Mink, R. E. Collin, S. L. Dvorak and D. Wilton.
- There was one nomination for Full Membership. Dr. Danilo Erricolo (University of Illinois at Chicago). After some discussion, nomination was approved unanimously.
9. D. Jackson presented the Technical Activities Committee report. The Committee members for 2000-2003 term are: N. Engheta; J. T. Johnson; T. K Sarkar; J. T. Williams; and D. H. Y. Yang.
- A summary of the Commission B session and joint sessions involving Commission B at the 2002 San Antonio meeting was presented. There were a total of 129 sessions at the symposium; 46 sessions involved URSI B. Of these, 12 were URSI B only; 6 with other URSI commissions; 25 with AP-S; and 3 with AP-S and other URSI commissions. The details of Special Sessions involving URSI B, with organizers in parenthesis, are as follows:
 - *RWG Bases* (L. W. Pearson) AP-S/URSI-B
 - *Cell-Phone Radiation and Interference Issues and Solutions* (David Nghiem) AP-S/URSI-B and K
 - *Challenges in Computational Electromagnetics* (Raj Mittra and Tom Cwik) AP-S/URSI-B
 - *EM Modeling and Inversion for Geophysical Applications* (Trarek Habashy and Jaideva Goswami) AP-S/URSI-B
 - *Fractal Antenna Engineering* (Douglas H. Werner) AP-S/URSI-B
 - *Suppression and Control of Surface Waves in Printed Circuit Structures* (G. Eleftheriades and D. R. Jackson) AP-S/URSI-B
 - *Conformal Antennas* (Roberto G. Rojas and Vakur B. Erturk) AP-S/URSI-B
 - *Electromagnetic Compatibility Analysis* (John Volakis and Chalmers Butler) AP-S/URSI-B
 - *Wavelets in Electromagnetics* (Manos Tentzeris) AP-S/URSI-B

- *Integration of Antennas in RF/ Wireless Packages* (Manos Tentzeris) AP-S/URSI-B
 - *Advanced Methods for Large Scale Computational Electromagnetics* (Weng Chew and J. M. Jin) AP-S/URSI-B
 - *Complex media and Metamaterials* (Nader Engheta) URSI-B
 - *Novel Challenges with PBGs, Artificial Magnetic Conductors, Hard and Soft Surfaces, and other Complex Surfaces* (P.-S. Kildal and Nader Engheta) URSI-B
- Following special sessions, involving Commission B, have been approved for the June 2003, Columbus, OH meeting.
 - *Electromagnetic Complex Media and Metamaterials* (N. Engheta)
 - Transient Radiation and Reception (Scott Tyo) URSI B/E and AP-S(?)
 - We need suggestions for more special sessions for AP-S/URSI 2003 in Columbus, OH.

10. Old Business: None

11. New Business:

Prof. Chew (University of Illinois at Urbana Champaign) reiterated that the members could contact him for the details of Y. T. Lo Memorial Fund.

Dr. Ross Stone informed that the Radio Science contribution's document is in print

Prof. Nevels, the San Antonio meeting Chair, welcomed all members to the meeting.

12. The meeting was adjourned at 17:25 hours.

Guest Attendance List

Yahia M. M. Antar (Chair, Canadian URSI), Nathan Champagne (Lawrence Livermore Natl. Lab), Danilo Erricolo (University of Illinois at Chicago), Roberto Graglia (Politecnico Torino, Italy), Ozlem Kilic (U. S. Army Research Labs), Stephane LeGault (Defence R and D Canada, Ottawa), Stanislav Licul (Virginia Tech), Jamesina Simpson (Northwestern University), Larry Warne (Sandia National Lab).

Members and Associate Members in Attendance

I. M. Besieris, G. S. Brown, G. Burke, R. J. Burkholder, C. M. Butler, W. A. Davis, D. G. Dudley, R. Dybdal, A. F. Elsherbeni, N. Engheta, A. W. Glisson, Jr., S. C. Hagness, R. C. Hansen, G. W. Hanson, R. L. Haupt, A. Ishimaru, T. Itoh, D. R. Jackson, V. Jandhyala, J. Jin, W. A. Johnson, A. Kishk, J. D. Kotulski, S. R. Laxpati, S. A. Long, R. J. Marhefka, K. Michalski, E. Michielssen, R.

V. Nevels, A. A. Oliner, H. Y. Pao, L. W. Pearson, R. J. Pogorzelski, Y. Rahmat-Samii, S. Rengarajan, R. G. Rojas, T. Sarkar, D. H. Schaubert, A. C. Schell, J. B. Schneider, T. B. A. Senior, B. Shanker, W. Ross Stone, A. Taflove, P. L. E. Uslenghi, K. Virga, J. L. Volakis, D. Weile, J. T. Williams, D. R. Wilton, A. B. Yakovlev, A. I. Zaghoul, R. W. Ziolkowski.

Respectfully submitted by
Sharad R. Laxpati
Secretary