

USNC-URSI Commission F Business Meeting

**January 9, 2013
Boulder, Colorado**

**Minutes recorded by Kamal Sarabandi
Secretary, USNC-URSI Commission F**

1. Call to Order and Welcome & Introductions

The meeting was called to order by V. Chandrasekar at 5 pm.

2. Circulation of Sign-in Sheets and Membership Contact Lists

3. Approval of 2012 business meeting minutes (January 4, 2012, Boulder)

Forwarded by Mike Newkirk to USNC Commission F members on 1/3/13. These minutes were unanimously approved.

4. USNC Officers for 2012-2014 Triennium

USNC-URSI, 2012-2014

- Steven Reising – Chair
- David Jackson – Secretary
- Yahya Rahmat-Samii – Past Chair
- Gary Brown – Accounts Manager
- Janet Stapleton – Member-at-Large and Commission F Member

Web site is <http://www.usnc-ursi.org>.

USNC-URSI Commission F, 2012-2014

- V. Chandrasekar –Chair
- Mike Newkirk – Vice-Chair
- Kamal Sarabandi – Secretary
- Saba Mudaliar – Membership Chair
- Ray Wasky – Webmaster

International URSI, 2012-2014

- George Uslenghi – Vice-President, International URSI
- Bill Davis –Chair, URSI Commission A
- David Giri – Vice-Chair, Commission E
- Roger Lang – Chair, Commission F
- John Matthews – Chair, Commission G
- Meers Oppenheim, Vice-Chair, Commission H
- Ross Stone, Assistant Secretary General (Publications) & Chair, Standing Committee on Publications

5. Announcements

In Memoriam – USNC Members who passed away in 2012:

- Dr. Hans Liebe (Commission F)

6. USNC Status

- New initiative: IEEE Xplore archival of USNC-URSI abstracts
 - Deadline for submitting IEEE Copyright form is 18 January
 - Will be in place for future IEEE/APS Symposia
- New LinkedIn Group created for USNC-URSI
- Nominations for URSI awards and Commission Presidents and Vice-Presidents anticipated this coming year
 - Contact USNC and/or Commission F officers if you have suggestions
- USNC-URSI intends to send letters to various government agencies expressing concern with government travel limitations
- In Memoriam
 - Dr. Hans Liebe; Session F2 held in his honor
- USNC finances: \$182.6K positive expected at close of 2012
 - Sources: NSF and income from meetings
 - Budget detailed by Gary Brown, USNC Account Manager

7. Commission F Membership Nominations

Saba Mudaliar presented the qualifications for a new candidate: Mahta Moghaddam (sponsored by Roger Lang). The sponsor made statements in support of his nominee. The nominee met the qualifications for membership, and was elected as a new member of Commission F.

8. Meetings

A. Past Meetings (2012)

- NRSM, 4-6 January, Boulder, CO
- 12th URSI Commission F Triennial Open Symposium on Radio Wave Propagation and Remote Sensing, 8-11 March, Garmisch-Partenkirchen, Alpine-Bavaria, Germany
- IEEE-APS/USNC-URSI, 9-13 July, Chicago, IL
 - Very successful: 1902 attendees, 181 sessions, 1662 papers
- IGARSS, Munich, Germany, 22-27 July
- International Conference on EM in Advance Applications – IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (ICEAA-IEEE APWC) – Cape Town, South Africa, 2-7 September 2012

- International Conference on EM in Advanced Applications and IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (ICEAA-IEEE APWC), 12-17 September, Torino, Italy
- International Symposium on Antennas, Propagation and EM Theory (ISAPE) – Xi'an, China, 22-26 October 2012
- 4th IEEE International Symposium on Microwave, Antenna, and Propagation and EMC Technologies for Wireless Communications (MAPE 2011), 1-3 November, Beijing, China
- AGU 2011 Fall Meeting – 5-9 December, San Francisco, CA

B. Current USNC-URSI National Radio Science Meeting, January 9-12, 2013

- Abstracts: 364 (vs. 369 final in 2012)
- Registrations: 344 as of 1/1/13 (vs. 350 final in 2012, 347 final in 2011)
- Sessions: 47 (vs. 47 in 2012, 49 in 2011)
- Commission F:
 - 6 organized/special sessions
 - 4 joint sessions with E, F, G, H & J
 - 81 total papers (vs. 77 in 2012, 72 in 2011)
- Plenary: Remote Sensing & Communications Systems in Disaster Mitigation & response (Commissions C & F)
- Student travel fellowship grants
- \$600 for 1st author students from US universities
- 105 supported students (vs. 104 in 2012, 113 in 2011)
- Ernest K. Smith Student Paper Contest organized by Danilo Erricolo:
 - 21 papers submitted (vs. 15 in 2012)
 - Awards of \$1000, \$750, and \$500 + travel expenses to be provided.
 - One Commission F paper submitted.
 - Finalists from Commissions B, G & H
- Commission F Sessions:
 - F1: Atmospheric and Oceanic Remote Sensing
Co-Chairs: A. Muschinski, K. Aydin (8 papers)
 - F2: Passive Remote Sensing of the Earth's Environment: In Honor of the Career of Dr. Hans J. Liebe
Co-Chairs: E. Westwater, A. Gasiewski, S. Reising (10 papers)
 - F3: Computational Electromagnetics for Hydrometeors
Co-Chairs: J. Tyynela, V. Chandrasekar (7 papers)
 - F4: Propagation Measurements and Models
Co-Chairs: T. Rusyn, F. Ryan (7 papers)
 - F5: Mesoscale Numerical Weather Prediction in Support of Wave Propagation Modeling
Co-Chairs: K. Horgan, T. Haack (10 papers)
 - F6: Waves in Random and Complex Media
Co-Chairs: A. Ishimaru, S. Mudaliar (10 papers)
 - EF1: RFI Mitigation and High-Power Electromagnetics
Co-Chairs: E. Farr, L. Cohen (7 papers)
 - EFJ1: Radio Frequency Interference Mitigation and Spectrum Usage

A. Clegg, C. Bayliss D. Kunkee (10 papers)

- HGF1: Global Navigation Satellite Systems and Radio Beacon Remote Sensing I
Co-Chairs: C. Carrano, A. Coster, V. Zavorotny (8 papers)
- HGF2: Global Navigation Satellite Systems and Radio Beacon Remote Sensing II
Co-Chairs: V. Zavorotny, C. Carrano, A. Coster (4 papers)

C. Future URSI and Related

- APS/URSI
 - 2013 – Orlando, FL: 7-13 July
 - USNC Commission F will participate in this meeting.
 - 2014 – Memphis, TN: 6-12 July
 - Will USNC Commission F participate in this meeting?
 - 2015 – Vancouver, Canada: 19-25 July
 - This will also be a North American Radio Science Meeting: meaning there is no 2015 NRSM in Boulder
 - 2016 – San Juan, Puerto Rico: 27 June – 2 July
 - 2017 – San Diego, CA
 - 2018 – Boston or Las Vegas (proposed)
 - 2019 – Atlanta (proposed)
- IGARSS
 - 2013 – Melbourne, Australia: 21-26 July
 - 2014 – Quebec City, Canada: TBD July
 - 2015 – Milan, Italy
 - 2016 - Beijing, China
- European Conference on Antennas and Propagation (EuCAP 2013) – Gothenburg, Sweden: 8-12 April
- URSI Commission F Triennial Symposium on Radiowave Propagation and Remote Sensing – Ottawa, Canada: 30 April – 3 May 2013
- 2013 International Symposium on Electromagnetic Theory – Hiroshima, Japan: 20-24 May
- 2013 URSI Commission F Microwave Signatures – Espoo, Finland: 28-31 October
- 2013 Asia-Pacific Radio Science Conference (AP-RASC 13) – Taipei, Taiwan: 3-7 September
- 2013 ICEAA/IEEE APWC/EMS – Torino, Italy: 9-13 September
- 5th IEEE International Symposium on Microwave, Antenna, Propagation and EMC Technologies for Wireless Communications (MAPE 2013) – Chengdu, China: 29-31 October
- 2014 USNC-URSI NRSM – Boulder: 8-10 January (proposed)
- XXXI URSI General Assembly and Scientific Symposium (GASS) – Beijing, China: 16-23 August, 2014
- 2015 North American Radio Science Meeting (NARSM) with IEEE/APS Symposium – Vancouver, Canada

- 12th URSI Commission F Triennial Open Symposium on Radio Wave Propagation and Remote Sensing, 8-11 March 2011, Garmisch-Partenkirchen, Alpine-Bavaria, Germany
- 4th IEEE International Symposium on Microwave, Antenna, and Propagation and EMC Technologies for Wireless Communications (MAPE 2011), 1-3 November 2011, Beijing, China
- International Conference on EM in Advanced Applications and IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (ICEAA-IEEE APWC), 12-17 September 2011, Torino, Italy
- 2011 AGU Fall Meeting – 5-9 December 2011, San Francisco, CA

9. New Business

- 2014 Commission F Sessions and Organizers

Special Sessions for the 2014 National Radio Science Meeting, Boulder, Colorado

<u>SESSION TITLE (COMMISSIONS IF JOINT)</u>	<u>ORGANIZERS (2 REQUIRED PER SESSION; E-MAIL)</u>
1. Mesoscale Numerical Weather Prediction in Support of Wave Propagation Modeling	Tracy Haack (Tracy.Haack@nrlmry.navy.mil) & Katherine Horgan (katherine.horgan@navy.mil)
2. Passive Remote Sensing of the Earth's Environment	Steve Reising (Steven.Reising@ColoState.edu) & Al Gasiewski (al.gasiewski@colorado.edu)
3. Waves Effects in Vegetation	Gary Brown (randem@vt.edu) & Roger Lang (lang@gwu.edu)
4. Small Satellite Radio Science and Technology (Joint with Commissions B,F,G,H?)	Bill Blackwell & TBD
5. Disaster Management	V. Chandrasekar & TBD
6. Computational Electromagnetics for Hydrometeors	Jani Tyynela & K. Aydin
7. RFI Interference Mitigation and Spectrum Usage (joint w/ E & J)	David Kunkee & TBD
8. Memorial Session for Dick Moore	P. Gogenini & TBD

10. USNC-URSI Action Items

1. Will Commission F participate in the 2014 IEEE AP-S/URSI Meeting to be held in Memphis from 6-12 July 2014?
 1. Corollary: any objection to our future participation being “assumed?”
No objections were raised.
2. The National Academies has offered to host websites for all of the Commissions, in order to maintain a consistent format. Is Commission F OK with this, or do we prefer to host our own website?
There was unanimous approval.
3. USNC-URSI is looking for a volunteer who is willing to serve in the role of “USNC website Liaison.” The volunteer will not be making changes directly to the website, and

therefore does have to have web editing skills, only an interest in monitoring the site and relaying information to update the site.

To be determined.

11. Adjourn

The meeting was adjourned at 6:00 pm

Attendance List

Commission F Members

Kultegin Aydin
Gary Brown
V. Chandrasekar
Dan Dockery
Al Gasiewski
Tracy Haack
Thomas Hanley
David Hill
Katherine Horgan
David Kunkee
Roger Lang
Robert Marshall
Michael Newkirk
Steven Reising
Philip Rosenkranz
Kamal Sarabandi
Dean Smith
Fred Solheim
Ross Stone
Ed Walsh
Ed R. Westwater
Valery Zavorotny

Guests

Xavier Bosch
Daniel Davis
Mila Fry
Kyle Gillian
Scott Gleason
Victoria Hadel
Kwo-sen Kuo
Thaddeus Johnson
Yinghui Lu
Eric McIntyre
Mehmet Ogut
Idahosa Osaretin
Swaroop Sahoo
W. Waserlkiwsky (spelling?)
Caglar Yardim
Simon Yueh
Ian Will
Yiwen Zhou

22 members

18 guest