



# USNC-URSI Commission F Business Meeting

23 July 2015

Vancouver, BC, Canada

# Agenda

---



1. Call to Order & Welcome
2. Approval of 2014 Minutes
3. USNC Officers for 2015-2017 Triennium
4. USNC Status & Announcements
5. Membership Nominations
6. Meetings
  1. Past Meetings
  2. Present Meeting
  3. Future URSI & Related Meetings
7. New Business
8. USNC Action Items
9. Adjourn

# Preliminaries

---



- Call to Order
- Welcome
- Please
  - Sign in on the attendance sheet, as Member or Guest
  - Please include current email address (Members only)
- 2014 Meeting Minutes



### Officers

- David Jackson – Chair
- Sembiam Rengarajan – Secretary & Chair-Elect
- Steven Reising – Past Chair
- Gary Brown – Accounts Manager



### Member At Large from Commission F

- Albin Gasiewski

### Society Representatives from Commission F

- Steven Reising
  - IEEE Microwave Theory and Techniques (MTT-S)
- Robert Marshall
  - American Meteorological Society (AMS)

# International URSI: US Officers

## 2015-2017 Triennium

---



- Umran S. Inan – URSI Vice-President
- David Giri – Chair, Commission E
- Amir Zaghloul – Vice-Chair, Commission C
- V. Chandrasekar – Vice-Chair, Commission F
- Patricia Doherty – Vice-Chair, Commission G
- Richard F. Bradley – Vice-Chair, Commission J
- Piergiorgio L. E. Uslenghi – URSI Assistant Secretary General – AT-RASC
- Ross Stone – URSI Assistant Secretary General (Publications) & Chair, Standing Committee on Publications

# USNC-URSI Commission F

2015-2017 Triennium

---



## Officers

- Mike Newkirk – Chair
- Kamal Sarabandi – Vice-Chair
- *Vacant* – Secretary
- Saba Mudaliar – Membership Chair
- Ray Wasky – Web *Liaison*
  - Coordinates material with NAS staff webmaster

Now: Nominations & Voting for Secretary

# Membership Nominations



---

- 2015 candidate information assembled by Saba Mudaliar, Membership Chair
- USNC-URSI Actions related to Membership:
  1. Future nominations only accepted via USNC-URSI Website (do not use older Word document)
    - Prior nominations have been inconsistent
  2. Commissions are directed to update membership lists by January
    - Forthcoming email requesting confirmation of interest and help with contacting members with defunct email addresses
  3. Sole authorship requirement is being reconsidered
    - Most work is collaborative, and this aligns with current practice

# Meetings

## Past URSI (2014-15)

---



- NRSM, 8-10 January 2014, Boulder, CO
- IEEE-APS/USNC-URSI, 6-12 July 2014, Memphis, TN
- IGARSS, 13-18 July 2014, Quebec, Canada
- 2014 URSI General Assembly and Scientific Symposium (GASS), 16-23 August 2014, Beijing, China
- AT-RASC, 18-25 May 2015, Gran Canaria, Spain
  - 455 attendees, 565 papers: a great success!

# Meetings

## Present USNC-URSI NARSM (1 of 4)

---



- Registrations: 1499 (total) as of 7/15/15
- URSI Abstracts: 555 (vs. 399 final in 2014)
  - ~30% of total accepted papers
- URSI Sessions: 62 (vs. 54 in 2014)
- Commission F:
  - 10 organized sessions
  - 68 total papers (vs. 90 in 2014, 81 in 2013)
- 2<sup>nd</sup> Hans Liebe Lecture held Monday:
  - Prof. Suzanne Crewell, University of Cologne
  - Satellite Cloud Remote Sensing

# Meetings

## Present USNC-URSI NARSM (2 of 4)

---



- Student travel fellowship grants
  - \$800 for 1<sup>st</sup> author students from US universities
  - 72 supported students (vs. 115 in 2014)
- CNC/USNC Student Paper Contest organized by Erdem Topsakal:
  - Five finalists competed on Monday (20+ entries)
    - 3<sup>rd</sup> place (tie) from Commission F: Jonathan Pozderac!
  - Awards of \$1000, \$750, \$500, \$250 and \$150 + travel expenses were provided.

# Meetings



## Present USNC-URSI NARSM (3 of 4)

---

- Commission F Sessions & number of papers:
  - MO-UF.1P: Advances in Environmental Modeling for RF Propagation (10)
    - Co-Chairs: Haack & Frederickson
  - TU-UF.1A: Atmospheric Effects on RF Propagation (10)
    - Co-Chairs: Rogers & Burkholder
  - TU-UF.1P: Propagation Modeling (10)
    - Co-Chairs: Falcone & Zeng
  - WE-UF.1A: Complex and Random Media (10)
    - Co-Chairs: Ishimaru & Mudaliar
  - TH-UF.1A: Propagation Measurement Techniques (9)
    - Co-Chairs: Iskander & Alejos

# Meetings

## Present USNC-URSI NARSM (4 of 4)

---



- Commission F Sessions (continued):
  - TH-UF.2A: Precipitation Measurements and Effects (4)
    - Co-Chairs: Chandrasekar & Newkirk
  - FR-UF.1A: Subsurface Remote Sensing (5)
    - Co-Chairs: Zurk & Yu
  - FR-UF.2A: Ionospheric Propagation (5)
    - Co-Chairs: Scales & Lynch
  - MO-UF.1A: RF Measurements and Modeling from Recent Field Campaigns (10)
    - Co-Chairs: Horgan & Barrios
  - FR-UF.1P: Earth & Ocean Remote Sensing (5)
    - Co-Chairs: Chandrasekar & Jacobson

# 2016 USNC-URSI NRSM

---



- January 6-9, 2016 in Boulder, CO
  - Special and Regular Session Topics and co-organizers/chairs needed ASAP
  - Ideas solicited for Plenary Session topics
    - Conducted jointly with another Commission

# Upcoming Meetings: Joint Symposia with IEEE/APS

---



- 25 June – 3 July 2016, San Juan, Puerto Rico
  - Chair: Scott Tyo
- 9-15 July 2017, San Diego
  - Chair: Daniel Sievenpiper
- 2018: 14-21 July, Boston
  - Chair: Steve Best
- 2019: 7-12 July, Atlanta
  - Chair: John Papapolymerou
- 2020: June or July, Montréal, Canada
  - Chair: Ahmed Kishk

# Upcoming Meetings: Joint Symposia with IGARSS

---



- 2015 – Milan, Italy, 26-31 July
- 2016 – Beijing, China, 10-15 July
- 2017 – Fort Worth, TX, 23-28 July
- 2018 – Valencia, Spain, 23-27 July

# Other Upcoming Meetings

---



- ICEAA-IEEE APWC, 7-11 September 2015 Torino, Italy
- RADIO 2015, 21-24 September 2015, Mauritius
- IEEE MAPE 2015, 28-30 October 2015, Shanghai, China
- 2015 LAPC Loughborough Antennas & Propagation Conference, 2-3 November 2015, Loughborough, UK
- International Symposium on Antennas and Propagation (ISAP2015), 9-12 November 2015, Hobart, Tasmania, Australia
- CAMA 2015, 30 November – 2 December 2015, Chang Mai, Thailand

# Other Upcoming Meetings

---



- ICCEM 2016, 23-25 February 2016,  
Guangzhou, China
- EUCAP, 10-15 April 2016, Davos, Switzerland
- AP-RASC, 21-25 August 2016, Seoul, Korea
- ANTEM 2016, 10-13 July 2016, Montréal
- ICEAA-IEEE APWC, 19-23 September 2016,  
Cairns, Australia
- URSI 2017 GASS, 19-26 August, Montréal

# New Business

---



- Look for a survey from Rob Marshall that he will use to create a presentation for the AMS meeting next January that describes the radio science activities of Commission F that involves a need to understand the influence of the atmosphere from the surface to space
  - Related: How do radio scientists and meteorologists find one another when the need for synergy is recognized on either side?
- Other new business?

# USNC Action Items (1 of 3)

---



1. Starting from 2016 Boulder meeting, the requirement to post a paper in IEEE X-plore is two-page two-column paper. One page USNC-URSI abstracts won't be eligible for IEEE X-plore. The present proposal is to allow people to submit an optional two-page paper (in addition to the one-page abstract) if they want to publish in IEEE X-plore. The two-page paper will require two independent reviews (will need more Commission member volunteers). How does Commission F feel about this proposal?
2. We have two options if we accept the above proposal:
  - a) have all authors submit either their one-page abstract or their two-page summary at the time of initial submission, or
  - b) have all authors submit a one-page abstract at the time of initial submission, and then have the optional two-page summary submitted at a later date for publication on IEEE Xplore (perhaps in time for the conference CD, or perhaps not).

Which option, (a) or (b), does our Commission prefer?

# USNC Action Items (2 of 3)

---



3. In 2020, IEEE APS will be hosted by Montreal. The organizers would like to have a North American Radio Science Meeting. Would Commission F prefer to have a North American Radio Science Meeting or regular IEEE APS/USNC/CNC Radio Science Meeting with only some commissions participating? Should we hold a Boulder meeting in 2020? Note there will also be an URSI GASS in 2020 (will there be too many URSI meetings?)
4. Starting this triennium the International URSI has introduced new officers elected in each commission called Early Career Representative (under 36). They are expected to promote young scientists and students' participation in technical and business activities of URSI. Would Commission F consider introducing such a position?
  - a) Also would Commission F consider a new membership category called student members of USNC-URSI?

# USNC Action Items (3 of 3)

---



5. Does Commission F have any good ideas for plenary talks in the 2016 Boulder meeting on a joint theme with another Commission? Preference will be given to Commissions that have not participated in the recent past.
6. Does Commission F have topics for special sessions in Boulder 2016? Next slide shows known “organized” sessions being considered...
7. Presently, membership qualification guidelines list a minimum number of single-author papers. Is this still a practical or desirable guideline? What do you feel would be better guideline for Members or Associate Members to have?
8. Will Commission F participate in the 2017 AP Symposium in San Diego?

# Potential NRSM Sessions

---



- GNSS and Radio Beacon and Remote Sensing (Joint HFG):
  - A. Coster (G), P. Bernhardt (H)
  - Need Commission F volunteer...
- Complex and Random Media
  - Ishimaru & Mudaliar
- Others?
  - Please email title and organizers ASAP

# Motion to Adjourn?

---



- See you in Boulder!