

NATIONAL RADIO SCIENCE MEETING

January 5–8, 2005

University of Colorado at Boulder

Program Information

The meeting will begin on Wednesday, January 5, 2005 with registration at 7:15 and presentations beginning at 9:00. It will end on Saturday afternoon, January 8, 2005. To view or print the complete URSI 2005 program, please log on to our web site at <http://cires.colorado.edu/ursi>. If you do not have access to the web and would like a printed copy mailed to you, please contact us at ursi@cires.colorado.edu or 303-735-0196, or write to CIRES, 216 UCB, University of Colorado, Boulder, CO 80309-0216. For administrative or logistical information about the meeting, please contact Kristine Grosland, CU Conference Services, 454 UCB, University of Colorado, Boulder, CO 80309-0454, 303-492-6259.

Scope of Meeting

The following Commissions of USNC/URSI will participate in the meeting:

Commission A: Electromagnetic Metrology	Commission F: Wave Propagation and Remote Sensing
Commission B: Fields and Waves	Commission G: Ionospheric Radio and Propagation
Commission C: Signals and Systems	Commission H: Waves in Plasma
Commission D: Electronics and Photonics	Commission J: Radio Astronomy
Commission E: Electromagnetic Noise and Interference	Commission K: Electromagnetics in Biology and Medicine

Steering Committee

K. Grosland, CU Conference Services

P. Uslenghi, University of Illinois, Chicago; Secretary, USNC-URSI

J. McKie, Cooperative Institute for Research in Environmental Sciences

Technical Planning Meeting

P. Uslenghi, University of Illinois, Chicago; Secretary
USNC-URSI

U. Inan, Stanford; Chair, USNC-URSI

G. Brown, Virginia Tech

Commission A: W. Davis, Virginia Tech

Commission B: Ronald Pogorzolowski, JPL, Pasadena

Commission C: Jeffrey Krolik, Duke University

Commission D: Samir El Ghazaly, University of Tennessee

Commission E: Ira Kohlberg, Institute for Defense
Analyses

Commission F: Kenn Anderson, Spawarsyscen, San Diego

Commission G: Anthea Coster, MIT Haystack Observatory

Commission H: Guradas Garguli, Naval Research Lab,
Washington, D.C.

Commission J: John Carlstrom, University of Chicago

Commission K: Om Gandhi, University of Utah

Schedule of Commission Business Meetings

Commission A: Thursday, January 6, 17:00, rm. 151

Commission B: Wednesday, January 5, 17:00, rm. 1B40

Commission C: Wednesday, January 5, 17:00, rm. 151

Commission D: Thursday, January 6, 18:00, rm. 105

Commission E: Friday, January 7, 17:00, rm. 151

Commission F: Friday, January 7, 18:00, rm. 265

Commission G: Thursday, January 6, 17:00, rm. 245

Commission H: Wednesday, January 5, 18:00, rm. 200

Commission J: Thursday, January 6, 18:00, rm. 265

Commission K: Wednesday, January 5, 18:00, rm. 105

Special Meetings

Tuesday, January 4. USNC/URSI meeting, 19:00–23:00, Broker Inn

Saturday, January 8. USNC/URSI Executive Committee, 6:30–8:30, Broker Inn

Persons wishing to organize special meetings should telephone K. Grosland, Conference Office, (303) 492-6259.

Location of Sessions

All technical sessions will be held in the Engineering Center and the Math Building. The Plenary Session will be held in the Mathematics Building, Lecture Hall, room 100.

Fees

The registration fee for all participants is \$250 if payment is received by December 12, 2004. After that date, the registration fee will be \$300. The student and retiree fee is \$60; after December 12, the fee will be \$75. Registration fees will be required from all participants including URSI officials, session chairmen, and authors. The fee includes the reception, attendance at all sessions, refreshment breaks, and the meeting digest. Extra digests will be available at \$20 per copy.

Preregistration

All attendees are encouraged to preregister for the conference. The registration fee will be \$250 if payment is received by December 12, 2004. The registration fee after December 12 will be \$300. Students and retirees may register for a special fee of \$60; after December 12, the fee will be \$75. Payment may be made by check, VISA, MasterCard, Diners Club, American Express, or Discover. To preregister, you may use the on-line registration form available through the URSI web site at <http://cires.colorado.edu/ursi>, or complete the registration form on the back of this flyer and mail it with your check made payable to the University of Colorado, or mail or fax it with your credit card number by December 12, 2004. To register after December 12: use the on-line form or, if you register after December 12 and are paying by credit card, you should complete the registration form including credit card information and fax it to us. If you register after December 12 and want to pay by check, please fax us your registration form and bring the check with you. **The deadline for registration is December 28, 2004.** Please note that the University of Colorado does not accept purchase orders. Final payment must be made at the time of on-site registration, if not before. If we have no record of payment at registration, we will require payment at that time. We cannot bill for registration fees.

Refunds

There will be no refunds after the cut-off date of December 12, 2004. Cancellation requests must be faxed to (303) 492-5959. Refunds granted prior to December 12 will be assessed a \$25 processing fee. Students and retirees will receive a full refund. Due to costs incurred by USNC/URSI prior to the conference, unforeseen events prohibiting travel will not be sufficient cause for a refund.

Registration

Registration for all participants will be in the Engineering Center main lobby from 7:15 to 10:00 on Wednesday, January 5, and will continue during the remainder of the meeting in the Engineering Building (ECCR), Room 133.

Meeting Office

Meeting headquarters will be room ECCR 133 in the Engineering Center from 10:00 on Wednesday, January 5, through the conclusion of the meeting.

Telephone and Mail

Telephone messages can be arranged by calling (303) 492-5151. Be sure to have callers mention the National Radio Science Meeting. Messages will be posted in the Engineering Center Lobby. Mail should be addressed to:

(Name of participant), National Radio Science Meeting, CU Conference Services, University of Colorado,
Boulder, Colorado 80309-0454

From noon on Wednesday, January 5 through the conclusion of the meeting, messages will also be taken at meeting headquarters, Engineering Room 133. The number will be (303) 492-7220.

Audio/Visual Equipment

Each room will contain an LCD (for PowerPoint presentations) and an overhead projector. **All participants must provide their own laptops for presentations or arrange for use of a laptop through the chair of their commission.** Persons needing additional equipment will need to make special arrangements with CU Conference Services by e-mailing kristine.grosland@colorado.edu by December 15, 2004. **PLEASE NOTE: All presenters should have paper backup copies of their presentation in case of laptop or LCD difficulties.** Speakers should meet session chairs 15 minutes before the scheduled start of the session. Anyone wanting to test their laptops ahead of time for PowerPoint presentations should do it in their scheduled room in the morning, during the hour before that day's beginning speakers.

Transportation to Boulder

All major airlines have flights into Denver International Airport (DIA). A variety of surface transportation is available from DIA to Boulder. The Regional Transportation District SkyRide (RTD city bus route "AB") is the least expensive and departs from Level 5 of DIA on an approximate hourly basis and travels to Boulder via Denver and U.S. 36. Travel time is approximately 90 minutes. The cost is \$10 each way. Tickets may be purchased at the RTD sales counter, located on Level 5 or with exact fare on the bus. An \$18 round-trip ticket may be purchased at the sales counter only. Once in Boulder, you exit at the

Boulder terminal and take a taxi or city bus to your hotel. The SuperShuttle (303-444-0808) departs on an hourly basis from Level 5 of DIA and proceeds directly to Boulder, 70 minutes travel time. All riders must check in at the SuperShuttle counter prior to catching the shuttle. The SuperShuttle desk is located near Door 510 at DIA. The cost is \$25–\$30 one way, depending on pickup and dropoff locations, and it takes you directly to most local hotels. Rental cars are available at the airport. We do suggest advance reservations. Boulder is located 26 miles northwest of Denver via U.S. 36. If you decide to take a taxi from the airport, be sure to agree upon the fare with the driver prior to departure from the airport. The fare to Boulder is typically \$60–\$70.

Parking

Parking permits can be purchased for \$9.25 at the conference's registration desk or when registering by mail or website. This permit is only for lot 436 located east of the Engineering Center on the corner of Colorado and Regent Drive. You may park in the garage or in any open spaces in the lot with the exception of metered or numbered spaces. Vehicles that park in metered or numbered spaces will be ticketed.

Shuttles

In past years we have provided shuttle service between the hotels and the campus. Due to lack of use and to cut costs, we will not be providing the service this year.

Accommodations

Participants must make their own housing arrangements. Blocks of rooms have been set aside at the motels listed, and special rates have been arranged.* Be sure to mention the name of the National Radio Science Meeting (URSI) in all communication with the hotels. Please make reservations as soon as possible.

Best Western Boulder Inn
\$62.00 single (includes continental breakfast)
770 28th Street, (303) 449-3800

Broker Inn
\$74.00 single or double (includes hot/full breakfast)
555 30th Street, (303) 444-3330 or (800) 338-5407

Super 8 Highlander Inn
\$55.00 single or double
970 28th Street, (303) 443-7800

The Boulder Outlook Hotel & Suites
\$59.95 single or double (includes continental breakfast)
800 28th Street, (303) 443-3322

Millennium
\$69.00 single or double
1345 28th Street, (303) 443-3850

* Rates are subject to change without notice by the hotel/motel, and a 9.75% tax. The University of Colorado assumes no obligation regarding rates. Taxes are subject to change.

Meals

The University Memorial Center (UMC) Grill will be open for lunch Wednesday through Friday, January 5–7. A list of restaurants within walking distance of the Engineering Center will also be available during registration for Saturday, January 8.

Reception

A reception will be held in the Engineering Center Lobby Thursday, January 6, from 19:00 to 21:00. Cost of the reception is included in the registration fee.

Weather

Boulder's weather in January is notorious for its unpredictability and can range from snow and freezing temperatures to mild, balmy weather with temperatures near 60°F (20°C). Normally, however, the weather is sunny and rather cool (40°F or 5°C) during the month, with little snow. Participants should bring appropriate clothing.

Recreation

Participants and their families may use the university's Recreation Center, which includes handball and squash courts, tennis courts, swimming and diving pools, an indoor ice rink, exercise rooms, gymnasiums, and saunas for a nominal fee. Further information will be available at the meeting registration.

Refreshments

Refreshments will be available from 10:00 to 10:40 during mornings and from 15:00 to 15:40 during afternoons in the Engineering Center main lobby.

Further Information

For further information contact the Department of Housing, CU Conference Services, University of Colorado, 454 UCB, Boulder, CO 80309-0454, (303) 492-6259, fax: (303) 492-5959, e-mail kristine.grosland@colorado.edu or access the URSI web site at <http://cires.colorado.edu/ursi>.

Colorado

University of Colorado at Boulder

National Radio Science Meeting
University of Colorado at Boulder
454 UCB
Boulder, CO 80309-0454

FIRST-CLASS MAIL
U.S. POSTAGE
PAID
BOULDER CO
PERMIT NO. 257

REGISTRATION FORM
National Radio Science Meeting
January 5-8, 2005
University of Colorado at Boulder

Name: _____

Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____ Telephone: _____

E-Mail: _____ Fax: _____

Enclosed is \$250 registration fee. Enclosed is \$300 registration fee (after December 12).

Enclosed is \$60 registration fee for students/retirees.
If student, enter name of institution where enrolled: _____
 Enclosed is \$75 registration fee for students/retirees
(after December 12).

Enclosed is \$9.25 to purchase a parking permit

\$_____ Total Enclosed

Please indicate where you will be staying while attending the conference: _____

PLEASE CHARGE FEE TO MY CREDIT CARD:

VISA MASTERCARD DINERS CLUB AMERICAN EXPRESS DISCOVER

Card Number _____ Exp. Date _____

Print name as it appears on card: _____

Signature: _____

SEND THIS FORM WITH YOUR CHECK **MADE PAYABLE TO** THE UNIVERSITY OF COLORADO:

University of Colorado at Boulder, Housing/Finance, Hallett 89, Boulder, Colorado 80309-0154.
Telephone (303) 492-5151, Fax (303) 492-5959

Payment must be made prior to, or at the time of registration.
Please note the University of Colorado cannot accept purchase orders.
If paying by check after December 12, please fax form and bring check.