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**Center for Atmospheric Research  
Environmental, Earth, and Atmospheric Sciences Department  
College of Arts and Sciences**

## INTERNATIONAL DIGISONDE USERS GROUP

9 January 2009

### **International Digisonde Forum 2009 11-14 May 2009 1st Announcement**

Dear Digisonde User,

This is the first announcement of the Twelfth International Digisonde Forum to be held at the University of Massachusetts Lowell, Center for Atmospheric Research, 600 Suffolk Street, Lowell, Massachusetts. This year's forum is planned for the period 11-14 May 2009. This is the week after the IRI Task Force Activity in Colorado Springs on the development of an "Assimilative IRI". The forum fee will be \$800 per person or \$1,200 for two or more persons from the same organization.

This year's forum will concentrate on the status of the Global Ionospheric Radio Observatory (GIRO) and DIDBase, the new ARTIST 5 software, and the new SAOXML data exchange software developments. We will introduce the Digisonde 4D which so far is operating on only three locations: South Africa, Cyprus, and Korea, but another eight will be installed in 2009. The new Digisonde-4D, while preserving the basic principles of the Digisonde family, introduces important hardware and software changes that implement the latest capabilities of new digital RF circuitry and embedded computers. In conjunction with the new hardware design, new software solutions offer significantly enhanced measurement flexibility, enhanced signal selectivity, and new types of data, e.g., the complete set of time-domain samples of all 4 antenna signals suitable for independent scientific analysis. With the new method of mitigating in-band RF interference, the ionogram running time can be made as short as a couple of seconds. We will also discuss the upgrade options from a DPS-4 to a 4D.

As in previous years, the participants will have the opportunity to copy our latest software and try it out on Digisondes operating at our field station. This year's social event is scheduled for Wednesday evening.

Please register as soon as possible, so that we can prepare accordingly. A seminar registration form is found below for your convenience. We encourage participants to register electronically by emailing the registration form information to [Lynne\\_Schaufenbil@uml.edu](mailto:Lynne_Schaufenbil@uml.edu). The seminar agenda is attached, and can also be found at [http://ulcar.uml.edu/2009Forum/2009DigisondeForumAgenda\\_prelim.pdf](http://ulcar.uml.edu/2009Forum/2009DigisondeForumAgenda_prelim.pdf). You can find lodging suggestions at <http://ulcar.uml.edu/directions>, and Lynne will help you to make reservations.

Sincerely yours,

Bodo W. Reinisch  
Chairman  
International Digisonde Users Group



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**TWELFTH ANNUAL  
INTERNATIONAL DIGISONDE Forum  
REGISTRATION FORM**

11-14 May 2009

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

Depart Date: \_\_\_\_\_

Hotel Room #: \_\_\_\_\_

Payment Method: Cash  Travelers Check  Purchase Order