

Second Circular on the International conference on
Science with Very Low Frequency (VLF): Theory and Observations

March 14th to 18th, 2010

PLEASE CIRCULATE WIDELY

Venue: S.N. Bose National Centre for Basic Sciences, JD Block, Salt Lake,
Kolkata, 700098, INDIA

Objective: The height of 50km to 250km above the earth's surface cannot be explored by balloon borne experiments or satellites and thus we must depend on the nature of interaction of the upper atmosphere/lower ionosphere by low/very low frequency (VLF) radio waves. In this conference, we wish to focus on various types of science that can be explored by VLF. This includes the science of electron precipitation, study of electron density distribution, possible relation between seismic effects and ionospheric behaviour, study of solar flares and other high energy phenomena, effects of solar eclipse etc. using the ionosphere as a detector. We will focus on both the theoretical developments as well as the observational results.

This is the Second circular to know your intention to participate in this meeting. Only those whose presentations are accepted (either oral or poster) can attend. The aim would be to have a gathering of the best possible active workers in the topic to exchange latest ideas.

Registration fees: The conference will be partly sponsored by S.N. Bose National Centre which is a National Centre under Department of Science and Technology (DST). The rest would be raised from registration fees. A token amount of Registration fee of \$200.00 USD (Two hundred dollars) from Foreign participants or Rs. 5000.00 for National participants will include all the local hospitalities (14th March Check in and 18th March Check out), registration materials and tour. Registration fees, pledged by December 31st, 2009, are to be paid on the spot.

Publication: The Proceedings will be Published, preferably by a low cost publisher such as American Institute of Physics. Details will be circulated in due course.

Support: A very limited support towards travel would be available to some of the participants. Please mention the absolute minimum support that you may require while sending the response.

Airport and Visa: The nearest airport is at Kolkata (N.S.C.Bose International Airport; CCU) which has many direct flights to many countries. However, you may have to come via Mumbai (BOM) or Delhi (DEL) or Bangalore (BLR). Booking earlier will cost less. All foreigners will require visa to attend the meeting. We will appreciate if you also send scanned copies of your passport (front/back pages) so that we may get the required permission from the Ministry.

Contact us: Please write an e-mail to Sandip K. Chakrabarti (blackhole08@bose.res.in) with a copy to Sudipta Sasmal (sudipta@csp.res.in) with the followings:

Name and affiliation and position holding:

Title of possible presentation and desired duration of the talk (if oral):

Abstract:

Required travel support:

Please mention VLF in the subject of the e-mail. Your response should arrive by 15th of November, 2009.

After we receive your response, we will put more details about the programme in the conference web page.

About Kolkata: Kolkata is the intellectual capital of India being the home/workplace of well known scientists such as S.N. Bose (Bose-Einstein Statistics) J.C. Bose (Microwave communications) and M.N. Saha (Saha Equation). Indeed, majority of the Indian Nobel laureates (R. Ross, R.N. Tagore, C.V. Raman, M. Teresa, A. Sen) are either born in Kolkata or got the award for their work in Kolkata. The Doyens of Ionospheric research Sisir K. Mitra and A.P. Mitra both worked in Kolkata. It is only natural that we have interest in exploring this exciting topic.

Circulation: To ensure great success of this conference, please circulate this note widely amongst your colleagues who might be interested.