Physical Research Laboratory, Ahmedabad

Special Colloquium 16-07

Speaker: **Prof. A. J. Timothy Jull**
Director, NSF-AMS Laboratory, University of Arizona, Tucson, USA

Title: **"Using ^{14}C and ^{129}I as tracers of cosmogenic events and environmental processes"**

Time: **Tuesday, 19 April 2016, 16.00 hrs**

Venue: **K. R. Ramanathan Auditorium, PRL**

Abstract

^{14}C is used in a wide variety of studies as a tracer of many processes. Recently, rapid excursions in the ^{14}C record have been tied to changes solar activity. Some dramatic changes can be observed, in a different way, ^{129}I can be used to trace anthropogenic processes and ocean circulation.

The Speaker

Prof. A.J. Timothy Jull is a Professor of Geosciences and Physics, at the University of Arizona, and is Director of the NSF-AMS Facility at University of Arizona, Tucson, USA. A British native, he grew up in Vancouver, Canada, and received a B. Sc. (1972) in chemistry at the University of British Columbia and in Geochemistry at the University of Bristol (Ph. D 1976), with postdoctoral studies at Bristol, the University of Cambridge, and the Max-Planck-Institut für Chemie in Mainz, Germany. Dr. Jull's work spans numerous disciplines, from radiocarbon dating the Shroud of Turin, to looking for signs of life in Martian meteorites. Dr. Jull has been involved in many applications of radiocarbon dating to a wide variety of studies of both scientific and public interest. He has published over 300 peer-reviewed articles. He is the editor of journal Radiocarbon and the editor of the journal Meteoritics and Planetary Science: An International Journal of Cosmogenic Isotope Research. He is Fellow of Geological Society of America and Meteoritical Society, Member of Royal Society of Chemistry and recipient of Kirk Bryan Award of Geological Society of America.

Tea at 15:30 hrs.

ALL ARE WELCOME