# Atmospheric Black Carbon Concentrations in the Arctic Region from ~1840 to 2010

'Black Carbon (BC) aerosols absorb solar radiation and affect Earth's radiation budget. Owing to very limited measurement data, BC emissions are estimated based on fossil fuel inventories, and used in global models to estimate radiative forcing. Developing a long-term global database of BC, and validation of models are crucial. The talk will highlight research on retrieval of BC data over past centuries using lake sediments in the Arctic.

## by Dr. D. S. Jyethi

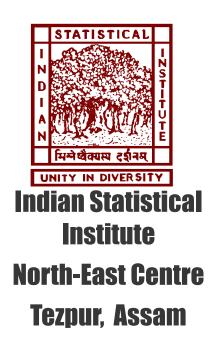
Indian Statistical Institute, North-East Centre, Tezpur

#### WHEN

### January 17 , 2017 (Tuesday) 4 PM

WHERE Seminar Hall, ISI NE Centre, (inside Tezpur University campus)

## **ALL ARE CORDIALLY INVITED**



## **ISI NE COLLOQUY**

ISI NE Colloquy hopes to engage minds in academic discourses pertaining to a gamut of theoretical and applied disciplines.

It envisions to host

brainstorming sessions with stimulation from experts and scholars.