



Dr. Susan Skone

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2:30 pm

Room E11 - Head Hall

Advances in GNSS-based Atmospheric Research

Global Navigation Satellite Systems (GNSS), most notably the Global Positioning System (GPS) have been recognized as an important tool to sense the atmosphere. The amount of bending suffered by the radio signals provides important clues on characteristics of both the ionosphere and the troposphere. Terrestrial-based observations, collected by GPS ground stations, or satellite-based observations, collected by low earth orbit (LEO) satellites with on-board GPS receivers, have provided invaluable information and the prospects for future research are enormous.

This presentation will focus on recent advances on atmospheric research using the GPS as a tool.

Dr. Skone is head of the International Association of Geodesy Sub-Commission 4.3 GNSS Measurement of the Atmosphere. She is also leader of the GEOIDE NCE Project National System for Water Vapour Estimation.

Refreshments will follow the presentation

For further information, please contact Dr. Marcelo Santos at 453-4671 or at msantos@unb.ca