



Department of Physics and Astronomy

MSc Public Lecture

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***Studies of the tilts of atmospheric scatterers by
windprofiler radars***

Many geophysical phenomena like seas, lakes, and mountains can generate gravity waves. These gravity waves can be sources of turbulence in the Troposphere. The purpose of this project is to understand the effect of geophysical and seasonal effects on gravity waves by studying the scatterers which are induced by turbulence. For this goal, the correlation between horizontal and vertical wind with the use of Doppler Radars is investigated, as studying this correlation gives us valuable information about the tilt of the scatterers since this tilt helps us to understand the turbulence from which they originated. Ability to model and predict turbulence is one of the essential skills for weather forecasting.

Wednesday, 3rd February 2021

2:00 p.m.

Attend the Lecture virtually by clicking on this link at 2pm on 3rd February:

<https://westernuniversity.zoom.us/j/99946833085?pwd=dHdpQjhHbi9tRURoMURlQjJkK01ldz09>

Everyone is welcome.