

Introduction to the scientific colloquium by Sultana Nahar on December 13, 2017 at NASA/Goddard Space Flight Center

Welcome to the scientific colloquium. Please turn off cell phones and other noise-making devices.

There is no scientific colloquium on December 20.

The next colloquium is on January 10, 2018, and the speaker is Mathew McHarg from Air Force Academy and his topic is 'High Speed Imaging and Spectra of Streamers and Leaders.'

Our speaker today is Dr. Nahar. She received her Ph.D. in atomic physics in 1987.

During the last century, a large number of solar and astrophysical observations were made using ground-based telescope and also using various satellites.

However, there was no realization in USA about how to analyze the observations.

Computer codes were developed in Europe to analyze these observations. Dr. Nahar acquired most of the codes. She modified these codes according to her requirements and has been calculating useful atomic physics quantities such as energy levels, excitation and photoionization cross sections, etc.

Today she will speak on 'Knowing the Universe through Atoms.'

Please welcome professor Nahar.

Thanks for coming to Goddard. All the best,

Anand K. Bhatia

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Dec. 13, 2017