



Physics Colloquium



Thursday, Oct 27th at 3:30 pm in SC 234

Dr. Sanjit K. Deb
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Soil Physics: Agricultural and Environmental Applications

Soil Physics, also known as Soil Hydrology or Vadose Zone Hydrology, is the study of the physical properties and processes occurring within the 'Vadose Zone', the portion of the soil profile located between the soil-groundwater table interface and the atmosphere-soil interface. Soil Physics, which has also been defined as the study of the state and transport of matter and energy in the soil, is quantitative and mathematical in nature and is primarily focused on complex interactions among various physical processes occurring due to natural and anthropogenic perturbations. Historically, the emphasis of soil physics research has been on the application of soil physical principles to the solution of agricultural, engineering and environmental problems. The talk will focus on several research experiences to illustrate agricultural and environmental applications of soil physics.

Refreshments at 3:00 pm in SC 123