

Seminar Talk

Shankar Karki
Ph.D. Student
Physics Department
Old Dominion University

Tuesday, September 13, 2016
3:00 p.m. KH 224

Title: Cu(In,Ga)Se₂ thin film solar cells: Fabrication and Characterization.

Abstract:

We report device results on Cu(In,Ga)Se₂ (CIGS) thin film solar cell and strategies employed for the device optimization. Additionally, we present an overview on CIGS solar cell fabrication technique, the significance of alloy composition on the device performance and various optical and electrical characterizations used in an attempt to understand the causes that limit the power conversion efficiency.

Bio:

Name: Shankar Karki

Degree: M.S. in Physics (Old Dominion University - 2014)

Currently Ph. D. student in Physics Department at Old Dominion University

Dissertation topic: "High efficiency CIGS solar cell fabrication and characterization."

Advisor: Dr. Sylvain Marsillac