

Good Afternoon,  
You are invited to attend our weekly ECE Graduate Seminar.

## **Computer Engineering**

All lectures to be held at 3:00pm on Fridays online at

[https://vs.prod.odu.edu/kvs/interface\\_webex/?cid=202020\\_ECE731ECE831VS\\_94044](https://vs.prod.odu.edu/kvs/interface_webex/?cid=202020_ECE731ECE831VS_94044)

For more information, contact Dr. Chung Hao Chen at (757) 683-3475 or email [cxchen@odu.edu](mailto:cxchen@odu.edu).

### **Friday, March 12, 2021 Seminar Topic:**

**RECRYSTALLIZATION OF THIN FILM SEMICONDUCTORS WITH METAL HALIDES** by Ben Belfore,  
PHD Candidate in the Department of Electrical & Computer Engineering at Old Dominion University

### **Abstract:**

Improving the economic viability of non-Si based photovoltaics can be achieved by increasing thin film deposition times and lowering the deposition temperature, which in turn lowers manufacturing costs. This can however have a negative impact on device performance. Annealing with metal halides has been shown to improve the quality of thin film technologies like CdTe. By finding an analogue with another common thin film photovoltaic material,

