

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

**Old Dominion University**  
**College of Engineering and Technology**  
**Department of Electrical and 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.

**Friday, February 12, 2021 Seminar Topic:**

**CAN AI ADVANCE CONCEPTUAL MODEL DEVELOPMENT? by Mr. Dave Shuttleworth, PHD**  
**Candidate in the Department of Computational Modeling and Simulation at Old Dominion University**

**Abstract:**

The wide array of descriptions of conceptual modeling across the spectrum from problem identification through simulation specification has led to ambiguity. Current state of the art provides several definitions surrounding conceptualization, conceptual modeling, and specification, and these terms are often used interchangeably. The lack of standard definitions and confounding terms have given rise to many styles of conceptual models in terms of format and content. Several languages and approaches have been utilized to formally express a conceptual model, which are often borrowed from computer science and software engineering. Additionally, using these languages and approaches assume the problem is bounded and well understood. Furthermore, it assumes the modeling participants are familiar