SEMINAR REPORT

SEMINAR TITLE: *Physics-Based Visual Computing for Efficient 3D Vision and Sensing*

PRESENTER: *David B. Lindell, from University of Toronto*

DATE: *February 17, 2023*

TIME: *11:00am - 12:00pm*

SUBMITTED BY: *Cole Fuerth, 104784453*

The **Summary + Questions** sections together should be 200-300 words. Use **10pt** Times New Roman font with **single** line spacing for all items.

Summary:

Coming from University of Toronto, David B. Lindell is an Assistant Professor at the University of Toronto. His research is focused mainly around computer vision and graphics. Today's colloquium was about his research in physics-based visual computing for efficient 3D vision and sensing.

Building on the work initially started by Pierre Bouger in his book, "The Behaviour of Light", a Radiative Transfer Equation (RTE) was developed to model the logarithmic behaviour of light with matter.

Questions:

1. How effective could this method be compared to current methods on a large scale, for instance, Tesla?

2. What drew you to Toronto? You did your Master's at Stanford, did you start your research there and continue to Toronto?