



Dept. of Physics & Engineering
Physics
Fall 2021 Physics Colloquium Series

remotely via ZOOM
Monday, September 27, 03:00-04:30 pm

Introduction to Electron Beam Lithography and its Applications

Dr. Kevin E. Burcham

*Senior Application Scientist and Project Manager
Raith America*

In my talk, I will give a brief introduction to Electron Beam Lithography, its importance for nanofabrication, and how the capabilities of the VOYAGER100 at Tulane University supports that effort.

I will show some of the applications that can be done with, and some of the applications that our customers are doing.

Kevin E. Burcham, Ph.D., has been with Raith for 18 years as an Application Scientist and Project Manager. He is responsible for supporting the Raith customer base in their pursuit of their applications.

Dr. Burcham received his Bachelor of Science EE from the University of Dayton, and his Masters of Science and Doctorate from the University of Cincinnati. Dr. Burcham first worked for Industrial Scientific, manufacturer of safety equipment for the mining industry before joining Raith in 2003.

Dr. Burcham is married to Carrie Ann (Bose) Burcham, a Nurse Educator and Registered Nurse, and they have three children, Matthew, Sydney, and Sean.