



THE UNIVERSITY OF
MELBOURNE

Physics > Theoretical Condensed Matter



“ I look at the way electrons interact with matter and then use this to build virtual (computer-based) models of electron microscopes. This allows us to better interpret the images from electron microscopes.

What I like best about my project is that it's challenging. The theories we explore are directly observable in experiments. I also have a strong computational background and my work plays to this strength.

Without a proper theoretical grounding, the images we get from electron microscopes are impossible to interpret correctly, especially as their resolution improves.

Currently, I'm at the Oak Ridge National Labs in Tennessee but will shortly be moving on to work in Vienna University of Technology, before returning to Melbourne. ”

Chris Witte

PhD in TCMP group