

Peer Review of Andre Miranda's Presentation by Lauren Maltz

August 13, 2015

On August 12, 2015, Andre Miranda gave a PowerPoint presentation titled "Understanding the Structure of High-K Gate Oxides" after interning in SSRL's Material Science Division. He did a great job of initially grabbing the audience's attention by using an outline of the main topics that he would be going through in his presentation to give the audience a better understanding of what they would be learning about. He broke the presentation down into three simple questions: What is a gate oxide? How to get atomic structure? What does the data show? There was a clearly marked introduction to the presentation. At the end, there was also a conclusion slide that summarized his summer work and what he has planned to do in the upcoming week.

Andre used visual aids in his presentation to breakdown the complexity of his topic. I especially liked the diagram of a Metal-Oxide Field-effect Transistor that he used when he was discussing what makes a good gate oxide. By using this visual, Andre took a complex concept and made it more relatable and tangible for the audience. Overall, his slides were aesthetically pleasing and not overloaded with text. The text was a reasonable size, capable of clearly being seen from the back of the presentation room where I was sitting. He used the slides as a tool for the audience with no additional notes used during the presentation. Andre was well-rehearsed, used hand gestures when appropriate, made eye contact among the whole audience, and stood in front of the podium rather than just looking at his computer throughout the presentation. In addition, he used logical transitions when moving from slide to slide and asked rhetorical questions to further engage the audience.

The PowerPoint has many complex-looking spectrum graphs. However, Andre explained them well to the audience and clearly connected the data to the results. His design layout was professional and he used the official SLAC and SSRL logos on every slide. Each slide also was numbered which allowed for easy reference when he was answering questions. Overall, Andre was well prepared for his presentation and kept the audience engaged in his work.