**Simplified Models for Accelerated Structural Prediction of Conjugated Semiconductor Polymers – Mike Henry**

**Abstract:** Climate change is an existential threat to the human race. This fact alone has not motivated federal legislative bodies to act. Clean renewable energy must be economically competitive to traditional fossil fuel if it is to see wide-scale adaption. Organic photovoltaic devices are close to being economically viable, but need to improve efficiency by 5%. In this work, we develop computational techniques to examine how the active layer of these devices form, which is critical to improve device efficiency.

**Bio:** Mike Henry started his PhD in materials science and engineering at Boise State in January 2015. He achieved PhD candidacy in the Fall of 2017. Mike's current research interests include molecular self-assembly and coarse-grain modeling. He and his wife have two wonderful orange kitties, Link and Zelda.