

Alex Boecher



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Advisor: James Tinjum

Previous Education:

BS in Physics from Illinois Wesleyan University

2 years research on Speckle Pattern Interferometry

Research Focus:

Our team is attempting to evaluate the long-term leaching characteristics of Chromium Ore Processing Residue (COPR). Millions of tons of COPR are being used as fill material for large scale construction projects, but the material contains toxic Cr(VI). Our goal is to quantify the *in situ* characteristics so that it will be possible to determine the risk to humans and, if necessary, a remediation method.

Outside Interests:

Horseback riding, farming, computer repair, video gaming, water skiing, snow skiing