THRUST AREA: BIOCOMPOSITES

AD-HOC — Lignin Composites

Principal Investigator(s): David Grewell
Site: Iowa State University

This project is an ad-hoc project being funding by the director’s discretionary funds. The project will impact several industry sectors including automotive, aerospace, and consumer goods. The goal is to add low-cost, biobased fillers, such as lignin, to biobased plastic as well as to petrochemical plastics without any loss of thermo-mechanical properties. Modified lignin has been compounded with biobased PA (10-10). It was found that in general up to 5% m-lignin can be compounded with PA 10-10 without causing significant loss in strength.