

# Development of a hybrid golf club head, using sustainable resources and cost-efficient materials



This research is aimed at the design and application of creating a hybrid golf club head using sustainable resources and cost-efficient materials. Golf clubs consist of titanium, carbon fiber, and rubber, making them difficult to dispose of after their usage. Using SolidWorks, FEA analysis, a milling process, and plant-based fiber, the club head will be tested and compared to the simulated results for its overall performance.

Justin Paschke  
Mechanical Engineering Department, Union College

Advisor: Professor Ronald B. Bucinell, Ph.D., P.E.

