Organization Name: Georgia Tech Facilities

Organization Contact Person: Malte Weiland

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Organization Mission: Georgia Tech Facilities oversees the Institute's entire built environment and is committed to using that environment as a Living Learning Lab for the betterment of its students.

Social Innovation Statement: Through the model of the Living Learning Lab, Georgia Tech Facilities engages students in real-world problems that require innovative and sustainable solutions. Students are able to work across multiple disciplines to implement solutions that both benefit the Institute while providing experience and growth for the student.

Internship Semester: Summer 2021

Project Title #1: Facilities Energy Optimization

Keywords: Data Analysis, Utility Infrastructure, Energy

SLS Priority Issue Areas: Climate Change, UN Sustainable Development Goals (SDGs)

Priority SDGs: Affordable and Clean Energy (7), Industry, Innovation, and Infrastructure (9), Sustainable Cities and Communities (11)

Project Background: This project will support a relatively new effort by Georgia Tech Facilities to analyze utility data, (i.e. trendlines, building controls, meter data) and make recommendations for optimization of energy use. This program follows a method of continuous commissioning that will greatly improve how energy efficiency in our built environment.

Project Timeline: This project is ongoing, but the intern will be working on a clear deliverable(s) that can be completed with the internship period.

Desired skills and qualifications: Mechanical Engineering, Data Analysis, Environmental Engineering

Deliverables: Presentation on findings, Recommendations for Improvement