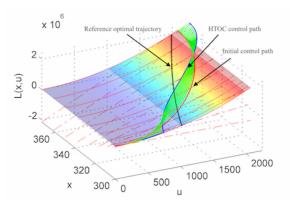


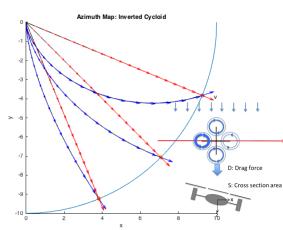
## Dr. Jinkun Lee

Assistant Professor of Industrial and Systems Engineering **Operations Research, Data-driven Dynamic Optimization, Drone** Flight Path Optimization, Insulin Pump Optimal Control, Sustainable Renewable Resource Management.

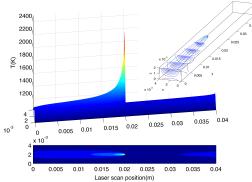
#### **Data Driven Algorithm Development**



#### **Drone Flight Path Optimization**



## **Additive Manufacturing Control**



## Model Based Insulin Pump

20

Glucose and Insulin

Time(min)

Plasa Insulin Conc

Insulin Injection

# **Operations Research**

- Data Driven Dynamic Optimization Algorithm
- Metal Powder Laser Based Additive Manufacturing
- Drone Flight Path Optimization
- Model based Insulin Pump Optimal Control
- Sustainable Dynamic Renewable **Resource Management**

#### **Dynamic Resource Management**

