



The Federal Aviation Administration (FAA) and the Airport Cooperative Research Program (ACRP) are collectively sponsoring a national competition for universities that engages students in addressing issues relating to airports and the National Airspace System. This Competition challenges individuals and teams of undergraduate and/or graduate students working with faculty advisors to consider innovative approaches related to these challenges. Submitters design innovative solutions that focus on addressing airport issues and constraints that would enhance management, safety, capacity, and efficiency of the nation's airports.

Our goal is to minimize the time passengers spend in the security screening queue while also improving their overall customer experience and increasing airport revenue with our new queuing system. The SimpleQ program will accomplish our main goal while also increasing revenue and customer satisfaction at airports. It works incredibly similar to drawing a number at the deli counter or getting a buzzer at a restaurant. Upon entering the airport, you will be entered into the queuing process and receive a number in our system. After that, you will wait for your time to go through security check. During this time, you can use our app or text message based system to do a variety of things including: checking where you are in the queue, postponing when you want to be called, and receiving alerts for when it is your time to go to security check.